



*Year Book*  
*of*  
*The Indian National*  
*Science Academy*

**2022**

# *The Year Book* 2022

Volume-I



INDIAN NATIONAL SCIENCE ACADEMY  
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# INTRODUCTION

The Indian National Science Academy was established in January 1935 with the object of promoting science in India and harnessing scientific knowledge for the cause of humanity and national welfare. The foundation of the Academy, earlier known as the National Institute of Sciences of India (NISI), was the outcome of joint endeavours of several organizations and individuals and the Indian Science Congress Association (ISCA) playing a leading role in this regard.

Towards the end of 1930, the then Government of India wrote to various State (then provincial) Governments, Scientific Departments, Learned Societies, Universities and the ISCA seeking their opinion on the desirability of forming a National Research Council which would adhere to and cooperate with the International Research Council and its affiliated Unions. This period witnessed the visit of Sir Richard Gregor, the Editor of Nature for discussions with the Editor of Current Science for the promotion of an Indian Academy of Sciences. The proposal was considered by various eminent scientists whose views regarding the composition and functioning of such a national council were put up in the form of resolution to the ISCA during its Pune Session. A special meeting of ISCA was held in Mumbai in January 1934 to consider the scheme. In response to the plea made by the President of the ISCA, Professor MN Saha in support of an Indian Academy of Sciences on the model of the Royal Society, London, the General Committee of the ISCA unanimously accepted the proposal for the formation of a national scientific society. The Committee formed an 'Academy Committee', which was requested to submit a detailed report for consideration at the next session of the ISCA. The committee submitted the report in January 1935 incorporating (i) the aims and objects of the national scientific society to be formed; (ii) draft constitution; (iii) names of 125 Foundation Fellows selected by a Special Committee of Specialists; and (iv) names of 25 scientists as members of the provisional Council of Academy. The report of the Academy Committee was placed by Dr LL Fermor (President, 22nd Session, ISCA) before a Special Meeting of the Joint Committee on January 3, 1935. The recommendations of the Academy Committee were accepted by unanimous resolution by the ISCA and the foundation of the National Institute of Sciences of India as an all India body of scientists was thus laid. An inaugural meeting of the National Institute of Sciences of India (NISI) was held on January 7, 1935 under the Chairmanship of Dr JH Hutton (President, 23rd Session, ISCA) in Calcutta, and the Inaugural Address was delivered by the first President of NISI, Dr LL Fermor. The Institute, thus, started functioning with its Headquarters at the Asiatic Society of Bengal, 1 Park Street, Calcutta, from that day.

The issue of the Government recognizing the NISI as the representative body of the scientists was taken up after ten years of its foundation. After due deliberations and discussions, it decided to recognise the National Institute as the premier scientific society representing all branches of science in India in October 1945. The Headquarters moved over to Delhi in May 1946, and the Government commenced providing increased grants to meet expenses on travel, publications, research fellowships, and for allocating grants-in-aid to other scientific societies for bringing out their publications. A capital grant for the Headquarters building was also sanctioned in 1948 by the Government. The foundation stone of the building was laid by Pt Jawaharlal Nehru, the then Prime Minister of India, on April 19, 1948. The Office of the NISI moved to its present premises on Bahadur Shah Zafar Marg, New Delhi in 1951. It was designated as the adhering organization in India to the International Council for Science (ICSU) on behalf of the Government of India in January 1968.

The name of the National Institute of Sciences of India was changed to the Indian National Science Academy (INSA) in February 1970.

**OBJECTIVES**

- (a) Promotion of scientific knowledge in India including its practical application to problems of national welfare.
- (b) Coordination among Scientific Academies, Societies, Institutions, Government Scientific Departments and Services.
- (c) To act as a body of scientists of eminence for the promotion and safeguarding of the interests of scientists in India and to present internationally the scientific work done in the country.
- (d) To act through properly constituted National Committees, in which other learned academies and societies may be associated, for undertaking scientific work of national and international importance which the Academy may be called upon to perform by the public and by the Government.
- (e) To publish such proceedings, journals, memoirs and other publications as may be found desirable.
- (f) To promote and maintain liaison between Science and Humanities.
- (g) To secure and manage funds and endowments for the promotion of Science.
- (h) To perform all other acts that may assist in, or be necessary for the fulfillment of the above-mentioned objectives of the Academy.

# CALENDAR OF MEETINGS–2022

Date	Event	Venue
<b>FEBRUARY</b>		
28 (Mon)	National Science Day	INSA, New Delhi
<b>MARCH</b>		
4 (Fri)	Meetings of Sectional Committees for Election of Fellows	INSA, New Delhi
24 (Thu)	Advisory Committee for Science & Society/ Infrastructure and Informatics Committee/ Publication Advisory Board/	INSA, New Delhi
28-29 (Mon-Tue)	Meeting of the Indian National Commission for History of Science	INSA, New Delhi
<b>MAY</b>		
19-20 (Thu-Fri)	Meetings of Sectional Committees for Election of Fellows/Selection of Young Scientists / Science Promotion Committee	INSA, New Delhi
<b>JUNE</b>		
09-10 (Thu-Fri)	Council/ General Body Meeting	INSA, New Delhi
<b>AUGUST</b>		
24 (Wed)	Meetings of ICSU National Committees/ Inter-Academy Exchange Committee	INSA, New Delhi
<b>SEPTEMBER</b>		
1-2 (Thu-Fri)	History of Science Seminar/Meeting of the Indian National Commission for History of Science/ Advisory Boards for INSA Awards/ Science Promotion Committee/ Resource Management Committee	INSA, New Delhi
30 (Fri)	Council/Annual General Body	INSA, New Delhi
<b>DECEMBER</b>		
To be decided	Seminar/Lectures Meetings of Council/ Anniversary General Meeting/ Fellowship Induction Ceremony/ INSA Young Scientists Medal Presentation/ INSA Teachers Award Presentation	Venue to be decided

**Other Important Dates***Last date for nominations to:***MAY**

May 15 (Sun)            INSA Awards due in 2023

**JUNE**

15 (Wed)                INSA Senior Scientists Position (2023)

**JULY**15 (Fri)                 INSA Fellowship 2023  
Inter-Academy Exchange Programme**OCTOBER**

31 (Mon)                INSA Medal for Young Scientists (2023)

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Professor Vidita Ashok Vaidya ( <i>Mumbai</i> )	(022)	2278-2608 (O), 2280-4859 (R), 84-549-48703 (M)

### **Representatives of Cooperating Academies and Government of India**

#### *The Asiatic Society*

Dr Kunal Ghosh ( <i>Kolkata</i> )	(033)	2446-7048, 2483-0029 (O), 2479-1112, 2448-0537 (R), 94-330-10233, 83-360-42420 (M)
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#### *The Indian Science Congress Association*

Professor R Ramamurthi ( <i>Tirupati</i> )	(0877)	224-1907 (O), 98-494-88390 (M)
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#### *The National Academy of Sciences (India)*

Professor Paramjit Khurana ( <i>New Delhi</i> )	(011)	2411-5096(O), 2411-9090(R), 97-110-06512 (M)
-------------------------------------------------	-------	-------------------------------------------------

#### *Government of India (Department of Science and Technology)*

Dr Ashish Kishore Lele (Pune)

## PAST PRESIDENTS

Sir Lewis Leigh Fermor	1935-36
Professor Meghnad Saha	1937-38
Lt Col Ram Nath Chopra	1939-40
Dr Bains Prasad	1941-42
Dr Jnan Chandra Ghosh	1943-44
Dr Darashaw Noshewanji Wadia	1945-46
Dr Shanti Swarup Bhatnagar	1947-48
Professor Satyendra Nath Bose	1949-50
Dr Sunder Lal Hora	1951-52
Professor Kariamanikkam Srinivasa Krishnan	1953-54
Dr Amulya Chandra Ukil	1955-56
Professor Prasantha Chandra Mahalanobis	1957-58
Professor Sisir Kumar Mitra	1959-60
Dr Ajudhia Nath Khosla	1961-62
Dr Homi Jehangir Bhabha	1963-64
Professor Vasant Ramji Khanolkar	1965-66
Professor Tiruvenkata Rajendra Seshadri	1967-68
Dr Atma Ram	1969-70
Professor Bagepalli Ramachandrachar Seshachar	1971-72
Professor Daulat Singh Kothari	1973-74
Dr Benjamin Peary Pal	1975-76
Dr Raja Ramanna	1977-78
Dr Vulimiri Ramalingaswami	1979-80
Professor Mambillikalathil Govind Kumar Menon	1981-82
Professor Arun Kumar Sharma	1983-84
Professor Chintamani Nagesa Ramachandra Rao	1985-86
Professor Autar Singh Paintal	1987-88
Professor Man Mohan Sharma	1989-90
Professor Prakash Narain Tandon	1991-92
Professor Shri Krishna Joshi	1993-95
Dr Srinivasan Varadarajan	1996-98
Professor Goverdhan Mehta	1999-2001
Professor Marthanda Varma Sankaran Valiathan	2002-04
Dr Raghunath Anant Mashelkar	2005-07
Professor Mamannamana Vijayan	2008-10
Professor Krishan Lal	2011-13
Professor Raghavendra Gadagkar	2014-16
Professor Ajay Kumar Sood	2017-19

## RECENT PAST VICE-PRESIDENTS

Professor Samir Bhattacharya	2003
Dr Inder Pal Abrol	2002-04
Professor Surendra Prasad	2002-04
Professor Raghavendra Gadagkar	2003-05
Professor Rajinder Jeet Hans-Gill	2004-05
Professor Sudhir Kumar Sopory	2004-06
Dr Swaminathan Sivaram	2004-06
Professor Subhash Chandra Lakhotia	2006
Professor Mamannamana Vijayan	2005-07
Professor Anupam Varma	2005-07
Professor Narayanaswamy Balakrishnan	2006-08
Professor Alok Krishna Gupta	2007-09
Professor Predhiman Krishan Kaw	2007-09
Professor Tej Pal Singh	2007-09
Professor Narinder Kumar Gupta	2008-10
Professor Ajay Kumar Sood	2008-10
Dr Mahtab S Bamji	2009-11
Professor Akhilesh K Tyagi	2009-11
Professor Ramamurti Rajaraman	2010-12
Professor Narayanasami Sathyamurthy	2010-12
Professor Alok Bhattacharya	2011-13
Professor ML Munjal	2011-13
Professor SS Agarwal	2012-13
Professor SK Saidapur	2012-14
Professor JP Khurana	2014
Professor MK Chaudhuri	2013-15
Dr DM Salunke	2013-15
Professor JP Mittal	2014-16
Professor Rajendra Prasad	2014-16
Professor SC Lakhotia	2015-17
Professor LS Shashidhara	2015-17
Professor Kankan Bhattacharyya	2016-18
Dr Chandrima Shaha	2016-18
Professor NR Jagannathan	2017-19
Professor Anurag Sharma	2017-19
Professor Gadadhar Misra	2018-20
Professor AK Singhvi	2018-20
Professor V Chandrasekhar	2019-21
Professor JP Khurana	2019-21

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**2010: ACHARYA, Subrat Kumar** (*b* 1951), MBBS, MD, DM, Sp: Gastro enterology, Hepatology; FASc, FNASc, Pro-Chancellor, *KIIT University, Bhubaneswar 751024* and Emeritus Professor in Gastroenterology, AIIMS, New Delhi 110029; B 1481, Sector-11, CDA Cuttack, Odisha 753015 [Tel (0671) 230-9879 (R), 98-107-53779, 98-718-41769 (M); Email subratacharya2004@yahoo.com, subratacharya@gmail.com]; **SC: IX.**



**2003: ADHYA, Samit** (*b* 1953), PhD (US), Sp: Molecular Biology; FASc, Emeritus Scientist, *C.SIR-Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Kolkata 700032; 74/A, Park Street, Kolkata 700017* [Tel (033) 2499-5736 (O), 2280-0123 (R); Email sadhya@iicb.res.in, nilugrandson@gmail.com]; **SC: VIII.**



**2008: ADHYA, Tapan Kumar** (*b* 1949), PhD, Sp: Environmental Microbiology; FNASc, FNAAS, Director, South Asia Nitrogen Centre, New Delhi; Co-Director (Science) UKRI-GCRF South Asia Nitrogen Hub & Professor, *School of Biotechnology, Kalinga Institute of Industrial Technology (Deemed University), Bhubaneswar 751024, Odisha* [Tel (0674) 272-5466 (O), 94-373-04299, 82-492-53228 (M); Fax 0674-272-5732; Email adhyas@yahoo.com]; **Medal:** Professor KS Bilgrami Memorial (2012); **SC: X.**



**1998: ADIMURTHI, Adi** (*b* 1952), PhD, Sp: Partial Differential Equations; FASc, FNASc, FTWAS, formerly Professor (I), *TIFR CAM, PB 6503, Sharadanagar, Chikkabommasandra, Bengaluru 560065*; Flat No. 2, Sree Gurunivas Apartments, 23-24, First Main Road, Amarjyothi Layout, Sanjay Nagar, Bengaluru 560094 [Tel (080) 6695-3742 (O), 2953-1505 (R), 96-635-65354 (M); Fax 6695-3799; Email adiadimurthi@gmail.com]; **SC: I.**





**1985: AGARWAL, Girish Saran** (b 1946), PhD, DSc (*hc*), Sp: Quantum Optics, Nano Photonics, Plasmonics; FASc, FNASc, FTWAS, FRS, Texas A&M University, College Station, TAMU4242, TX 77843; formerly Noble Foundation Chair and Regents' Professor, *Oklahoma State University, Stillwater, OK 74078 (USA)*; Director and Distinguished Scientist, PRL, Ahmedabad [Tel 405-714-1566 (M); Email girish.agarwal@tamu.edu]; **Professorship:** INSA-Albert Einstein Centenary Research Professor (2001-05); **Lecture:** JL Nehru Birth Centenary (2000); **Council:** Mem 1996-98, Ad Mem 2003, VP 2004; **SC: II.**



**1994: AGARWAL, Kailash Nath** (b 1937), DCH, MD (Sweden), MD, DSc (UKMU), Sp: Pediatrics-Nutrition, Growth & Development; FAMS, Scientist, President, Health Care & Research Association for Adolescents; formerly Professor Pediatrics, Univ College of Medical Sciences & GTBH, Delhi 110095; *D-115, Sector 36, Gautam Buddha Nagar, Noida 201301, UP* [Tel 93-501-00553 (M); Email kna.ped2020@gmail.com]; **Medal:** Professor KP Bhargava Memorial (2014); **SC: IX.**



**2021: AGARWAL, Vivek** (b 1964), PhD, Sp: Power Electronics; FNAE, FASc, FIEEE, FIETE, Professor, *Department of Electrical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai 400076*; B-320, Nilgiri Building, Central Area, Indian Institute of Technology Bombay, Powai, Mumbai 400076 [Tel (022) 2576-7422 (O), 90-045-52983 (M); Fax 2572-3707; Email agarwal@ee.iitb.ac.in]; **SC: V.**



**1980: AGARWALA, Umesh Chandra** (b 1930), PhD, Sp: Inorganic Chemistry; FNASc, formerly Professor & Head, Chemistry Department, IIT, Kanpur; *295 A, Block C-1, Indira Nagar, Kanpur 208026* [Tel (0512) 250-748 (R)]; **Council:** Mem 1984-86; **SC: III.**



**2017: AGGARWAL, Rakesh** (b 1961), MBBS, MD, DM, Sp: Medical Sciences, Gastroenterology, Liver Disease, Viral Hepatitis, Epidemiology, Health Economics; FAMS, FASc, FNASc, Director, *Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Puducherry 605006*; Director's Bungalow, JIPMER Campus, Puducherry 605006 [Tel (0413) 227-2901 (O), 229-6064 (R), 94-153-28131 (M); Fax 227-2067; Email aggarwal.ra@gmail.com]; **SC: IX.**



**2019: AGRAWAL, Anurag** (b 1972), MBBS, Diplomate American Board (Internal Medicine, Pulmonary Disease, Critical Care), PhD, Sp: Medicine, Respiratory Disease Biology, Molecular Physiology; Director, *C.SIR-Institute of Genomics and Integrative Biology, Mall Road, Delhi University, Delhi 110007*; 12-B, Sriram Road, Civil Lines, Delhi 110054 [Tel (011) 2766-2075 (O), 98-184-51946 (M); Fax 2766-7471; Email draagrwal@gmail.com]; **SC: IX.**

**1988: AGRAWAL, Bal Krishna** (*b* 1939), DPhil, DSc, Sp: Condensed Matter Physics, Nanostructures and Superconductivity; FNASc, INSA Emeritus Scientist, formerly Head, *Department of Physics, Allahabad University, Allahabad 211002*; 15-D, Bank Road, Allahabad 211002 [Tel 94-153-06814 (M); Email [balkagl@rediffmail.com](mailto:balkagl@rediffmail.com), [balkagr@yahoo.co.in](mailto:balkagr@yahoo.co.in)]; INSA Honorary Scientist (2015-18); **SC: II.**



**2019: AGRAWAL, Madhoolika** (*b* 1958), PhD, Sp: Ecology and Environmental Science (Air Pollution, Global Environmental Change, Food Chain Contamination); FNASc, FNAAS; Professor, *Department of Botany, Banaras Hindu University, Varanasi 221005*; B-97, Brij Enclave Colony, Sunderpur, Varanasi 221005 [Tel 94-156-28573 (M); Fax (0542) 236-8174; Email [madhoo.agrawal@gmail.com](mailto:madhoo.agrawal@gmail.com)]; **Council:** Ad Mem 2021; **SC: VI.**



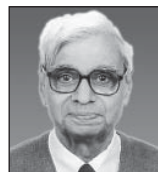
**2008: AGRAWAL, Manindra** (*b* 1966), PhD, Sp: Theory of Computation; FASc, FNASc, FNAE, FTWAS, Foreign Assoc US NAS, Professor, *Department of Computer Science, Indian Institute of Technology, Kanpur 208016*; H.No. 622, IIT Campus, Kanpur 208016 [Tel (0512) 259-7338 (O), 259-8363 (R), 99-350-62605 (M); Email [manindra@iitk.ac.in](mailto:manindra@iitk.ac.in); Web <http://www.cse.iitk.ac.in/users/manindra>]; **Council:** Mem 2016-18; **SC: I.**



**2010: AGREWALA, Javed Naim** (*b* 1961) PhD, Sp: Immunology, Tuberculosis, Vaccines, Gut Microbiome; FASc, FNASc, Professor, *Department of Biomedical Engineering, Indian Institute of Technology Ropar, Rupnagar 140001, Punjab*; H.No. A3, Type 6, IIT Ropar Housing, Rupnagar 140001, Punjab [Tel (01881) 242-311 (O), 94-178-69408 (M); Email [jagrewala@iitrpr.ac.in](mailto:jagrewala@iitrpr.ac.in), [jagrewala@gmail.com](mailto:jagrewala@gmail.com); Web <http://iitrpr.ac.in>]; **SC: IX.**



**1984: AHLUWALIA, Jagdish Chander** (*b* 1935), PhD, Sp: Physical Chemistry, Thermodynamics & Biopolymers; FASc, formerly Professor, Department of Chemistry, Indian Institute of Technology Delhi, New Delhi; *186, SFS Apts, Hauz Khas, New Delhi 110016* [Tel (011) 2656-4519 (R), 92-137-36359 (M); Email [jcahluwalia@yahoo.in](mailto:jcahluwalia@yahoo.in)]; INSA Senior Scientist (1996-2001); **Council:** Sec 1991-93; **SC: III.**



**2008: AHMAD, Faizan** (*b* 1949), PhD, Sp: Biophysical Chemistry and Biochemistry; FNASc, INSA Senior Scientist, *Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, Jamia Nagar, New Delhi 110025*; 181/210 Ghaffar Manzil Extension, Lane No. 5, Jamia Nagar, New Delhi 110025 [Tel (011) 2692-0954 (R), 98-104-13115 (M); Email [faizan.ahmad.jmi@gmail.com](mailto:faizan.ahmad.jmi@gmail.com); Web [http://www.jmi.ac.in/cirbs/faculty-members/Prof\\_Faizan\\_Ahmad-1631](http://www.jmi.ac.in/cirbs/faculty-members/Prof_Faizan_Ahmad-1631)]; **SC: VIII.**





**2011: AHMAD, Talat** (b 1955), PhD, Sp: Igneous Petrology-Geochemistry & Himalayan Geology; FASc, FNASc, JC Bose National Fellow, Vice-Chancellor, *University of Kashmir, Hazratbal, Srinagar 190006, J&K* [Tel (0194) 227-2000/2001 (O), 70-516-66707 (M); Fax 227-2086; Email tahmad001@yahoo.co.in, tahmad001@gmail.com]; **SC: IV.**



**2013: AJAYAGHOSH, Ayyappanpillai** (b 1962), PhD, Sp: Organic (Materials) Chemistry; FASc, FNASc, FTWAS, Director, *CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram 695019*; Devadaru, TC 55/191, Kuttikkadu Lane, Kaimanom, Pappanamcode, PO Thiruvananthapuram 695018 [Tel (0471) 249-0324, 251-5220 (O), 249-1592 (R), 94-460-59059 (M); Fax 249-0186; Email ajayaghosh62@gmail.com, ajayaghosh@niist.res.in]; **Medal:** INSA Young Scientist (1991); **SC: III.**



**2015: ALI, Nahid** (b 1956), PhD, Sp: Biochemistry/Immunology; FASc, FNASc, FTWAS, INSA Emeritus Scientists, DAE Raja Ramanna Fellow, JC Bose National Fellow, *CSIR-Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Kolkata 700032*; Professor, Academy of Scientific and Innovation Research (AcSIR); Ekta Oleander Block-2, Flat-7C, 16 Radha Nath Chowdhury Road, Kolkata 700015 [Tel (033) 2499-5757 (O), 98-300-34759 (M); Fax 2473-5197, 2472-3967; Email nali@iicb.res.in, nahidali28@yahoo.in]; **SC: IX.**



**2002: ALI, Sher** (b 1955), PhD, Sp: Molecular Genetics of Human and Animal Systems; FASc, FNASc, JC Bose National Fellow, Distinguished Professor, Department of Life Science (SBSR), Sharda University, KP-III, Greater Noida 201306; Former Director, *Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi*; Former Head, *Molecular Genetics Division, NII, New Delhi*; Adjunct Professor, *Manipal Academy of Higher Education (MAHE), Mangalore*; Co-Chair, *Thematic Group 16, STIP-2020, Government of India* [Tel (011) 4558-6950 (O), 98-180-04632 (M); Email profsali55@gmail.com; **Council:** Mem 2013-15; **SC: IX.**



**2016: ANAND, Anuranjan** (b 1965), PhD, Sp: Human Genetics and Genomics; FASc, FNASc, *Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur, Bengaluru 560064*; OAK, B-803, Godrej Woodsman Estate, Hebbal, Bellary Road, Bengaluru 560024 [Tel (080) 2208-2804 (O), 4099-5014 (R), 98-458-04923 (M); Fax 2208-2766; Email anand@jncasr.ac.in]; **SC: IX.**



**2002: ANAND, Ashima** (b 1950), PhD, Sp: Cardiorespiratory & Neuro-physiology; FTWAS, FAMS, Council Member IUPS, *Vallabhbhai Patel Chest Institute, Delhi University, PO Box 2101, Delhi 110007* [Tel (011) 2740-2426 (O), 98-103-59779 (M); Email ashima\_anand@hotmail.com]; **Medal:** INSA Young Scientist (1982); **Lecture:** JL Nehru Birth Centenary (2004); **Council:** Mem 2005-07; **SC: IX.**

**1970: ANAND, Nitya** (*b* 1925), PhD (Mumbai, Cantab), Sp: Medicinal Chemistry; FASc, FNASc, formerly Director, CDRI, Lucknow; *Lumbini, B-62, Nirala Nagar, Lucknow 226020* [Tel (0522) 404-3229 (R), 96-700-66999 (M); Email nityaanand1925@gmail.com]; **Medal:** Vishwakarma (1982); INSA Senior Scientist (1985-87); **Council:** Mem 1974-76; **SC: III.**



**2007: ANANTHAKRISHNA, Garani** (*b* 1942) PhD, Sp: Theoretical Materials Science and Condensed Matter Physics; FASc, INSA Emeritus Scientist, Emeritus Professor, *Materials Research Centre, Indian Institute of Science, Bengaluru 560012; B-6-601, Elita Promenade, J.P. Nagar, 7th Phase, Bengaluru 560078* [Tel (080) 2293-2780 (O), 4953-5791 (R), 99-002-68902 (M); Fax 2360-7316; Email garani@iisc.ac.in, anantha.garani@gmail.com]; INSA Senior Scientist (2010-15), INSA Honorary Scientist (2015-18); **SC: II.**



**2004: ANANTHAKRISHNAN, Subramaniam** (*b* 1944), M Tech, PhD, Sp: Radio Astronomy; FASc, FNASc, INSA Honorary Scientist and Adjunct Professor, *Electronics Science Department, Pune University Campus, Ganesbkhind, Pune 411007*; formerly Senior Professor, NCRA-TIFR & Observatory Director, GMRT & formerly Raja Ramanna Fellow; Flat No. 15, Khagol Vaigyanik Housing Co-operative Society, S.No. 38/1, Panchavati, Pashan, Pune 411008 [Tel (020) 2569-9841 Ext 28 (O), 73-508-29530 (R), 94-210-81098 (M); Fax 2569-9841; Email subra.anan@gmail.com, ananth@electronics.unipune.ac.in]; **Medal:** INSA-Vainu Bappu Memorial (2010); INSA Senior Scientist (2013-16); **Council:** Mem 2008-10; **SC: II.**



**2009: ANTIA, Hormazad Maneck** (*b* 1955), PhD, Sp: Physics and Numerical Techniques; FASc, *UM-DAE Centre of Excellence for Basic Sciences, University of Mumbai, Kalina, Mumbai 400098*; T3-2902 Runwal Forest, LBS Road, Bhandup, Mumbai 400078 [Tel 9969506543; Email antia@tifr.res.in; Web <http://www.tifr.res.in/~antia/>]; **SC: II.**



**1993: APPARAO, Krishna Manda Venkata** (*b* 1933), PhD, Sp: Astronomy, Astrophysics, Space Physics; formerly Senior Professor, TIFR, Mumbai; *34, Vibha, Opp Cardinal Gracias School, Bandra East, Mumbai 400051* [Tel (022) 2643-6154 (R); Email apparaokrishna@yahoo.com]; INSA Senior Scientist (1996-2000); **SC: II.**



**1999: APTE, Shree Kumar** (*b* 1952) PhD, Sp: Molecular Biology, Biochemistry, Microbial and Plant Biotechnology; FASc, FNASc, FNAAS, Distinguished Professor, *UM-DAE-Centre for Excellence in Basic Science*, and JC Bose National Fellow, *Room PF-BG-28, UM-DAE-CEBS, Vidyanagari, Kalina, Mumbai 400098*; 404, Runwal Hills, Deonar Farm Road, Deonar, Mumbai 400088 [Tel (022) 2653-0229 (O), 2558-0177 (R), 98-694-80205 (M); Fax 2653-2134; Email aptesk@cbs.ac.in, shree.apte@gmail.com]; **Medal:** Professor KS Bilgrami Memorial (2007); **Lecture:** Professor Vishwa Nath Memorial (2018); **Council:** Mem 2007-09; **SC: VII.**





**2013: ARANKALLE, Vidya Avinash** (*b* 1952), PhD, Sp: Virology, Biotechnology, Vaccinology; FASc, Director-In-Charge & Scientist G, National Institute of Virology, Sus Road, Pashan, Pune 411021; *3C-A2-24, New Ajanta Avenue, Paud Road, Kothrud, Pune 411038* [Tel (020) 2600-6390, 93-710-16417 (M); Fax 2612-2699; Email varankalle@yahoo.com]; **SC: IX.**



**1987: ARUNACHALAM, Vaidheeswara** (*b* 1938), PhD (Cambridge), Sp: Quantitative Genetics, Plant Breeding, Biodiversity; FASc, FNASc, FNAAS, *Flat No. 1, Rams Bridgview Apartments, 3, Central Avenue, Kodambakkam, Chennai 600024* [Tel (044) 2472-4198 (R), 89-391-39327 (M); Email vaiarunachalam@hotmail.com]; **SC: X.**



**1984: ARUNACHALAM, Vallampadugai Srinivasaraghavan** (*b* 1935), PhD (Wales), DEngg (*hc*), DSc (*hc*), DLitt (*hc*), Sp: Energy Systems and Development, Science, Technology & Public Policy, Materials Science & Engineering, Defence Technologies; FNASc, FNAE, FEng (UK), Honorary Professor, University of Warwick, UK; Chairman & Founder, Center for Study of Science, Technology & Policy, #18, 10th Cross, Papanna Layout, Mayura Street, Nagashettyhalli, RMV 2nd Stage, Bengaluru 560094; Distinguished Service Professor, Carnegie Mellon University, Pittsburg PA 15213-3890, USA; *547, 9th Cross, JP Nagar Phase III, Bengaluru 560078* [Tel (080) 6690-2500, 6690-2509/14 (O), 2649-1399 (R); Fax 2351-4269; Email vsa@cstep.in]; **Medal:** Professor Brahm Prakash Memorial (2007); **SC: V.**



**2022: ATHREYA, Siva Ramachandran** (*b* 1971), PhD, Sp: Mathematical Sciences; FASc, Professor, Indian Statistical Institute, Bangalore Centre, 8<sup>th</sup> Mile Mysore Road, Bengaluru 560059 [Tel (080) 2968-5465 (O); Email athreya@isibang.ac.in]; **SC: I.**



**2021: AWASTHI, Shally** (*b* 1958), MBBS, MD, PhD, Sp: Pediatrics; FASc, FAMS, FNASc, FIAP, FRCPCH (Hony) Professor, *Department of Pediatrics, King George's Medical University, Shabmina Road, Chowk, Lucknow 226003*; C-29 Sector C, ChetanVihar, Aliganj, Lucknow 226024 [Tel (0522) 401-1510 (O), 98-392-21244 (M); Email shally07@gmail.com]; **SC: IX.**



**2021: AYAPPA, K Ganapathy** (*b* 1962), PhD, Sp: Chemical Engineering; FNAE, Professor, *Department of Chemical Engineering, Indian Institute of Science, Bengaluru 560012*; A1, Regency Manor, 34, Davis Road, Cooke Town Bengaluru 560084 [Tel (080) 2293-2769 (O), 98-444-94117 (M); Fax 2360-8121; Email ayappa@iisc.ac.in]; **SC: V.**



**2015: AYYUB, Pushan** (*b* 1957), PhD, Sp: Condensed Matter Physics (Nanostructured Materials); Senior Professor, *Department of Condensed Matter Physics and Materials Science, Tata Institute of Fundamental Research, 1 Homi Bhabha Road, Mumbai 400005*; 710 Bhaskara, TIFR Colony, 2 Homi Bhabha Road, Mumbai 400005 [Tel (022) 2278-2295 (O), 2280-4691 (R), 98-697-61042 (M); Email pushan.ayyub@gmail.com; Web <http://www.tifr.res.in/~pushan>]; **SC: II.**

**2016: AZIZ, Tariq** (b 1953), PhD, Sp: Experimental High Energy Physics; Senior Professor (I), *Tata Institute of Fundamental Research, Navy Nagar, Colaba, Mumbai 400005*; 701 Meghnad, TIFR Housing Complex, Navy Nagar, Mumbai 400005 [Tel (022) 2278-2358 (O), 98-339-53030 (M); Email [aziz@tifr.res.in](mailto:aziz@tifr.res.in)]; **SC: II.**



**2012: BACHHAWAT, Anand Kumar** (b 1958), PhD, Sp: Microbial Genetics & Biochemistry / Yeast Glutathione & Sulphur Metabolism; FASc, FNASc, Professor, *Indian Institute of Science Education & Research (IISER), Mohali, Knowledge City, SAS Nagar, PO Manauli, Punjab 140306*; 1079/2, Sector 39-B, Chandigarh 160036 [Tel (0172) 229-3154 (O), 98-882-24948 (M); Fax 224-0266; Email [anand@iisermohali.ac.in](mailto:anand@iisermohali.ac.in)]; **Lecture: BC Guha Memorial (2020); SC: VIII.**



**1995: BAGCHI, Biman** (b 1954), PhD (Brown Univ), Sp: Physical Chemistry of Condensed Matter, MOLECULAR Relaxation in Liquids, Dynamics of Complex Systems, Biophysics; FASc, FNASc, FTWAS, Honorary Professor, *SSCU, and DST-SERB National Science Chair Professor, Indian Institute of Science, Bengaluru 560012*; E-22, IISc Campus, Bengaluru 560012 [Tel (080) 2293-2926, 2293-2336, 2293-4538 (O); Fax 2360-1310; Email [bbagchi@iisc.ac.in](mailto:bbagchi@iisc.ac.in), [bagchibiman@yahoo.com](mailto:bagchibiman@yahoo.com)]; **Medals: INSA Young Scientist (1986), AK Bose Memorial (1990); Lecture: Dr Jagdish Shankar Memorial (1997), JL Nehru Birth Centenary (2008); SC: III.**



**1994: BAGYARAJ, Davis Joseph** (b 1940), PhD, Sp: Agricultural Microbiology, Mycorrhizal Symbiosis; FNASc, FNAAS, NASI Honorary Scientist & Chairman, Centre for Natural Biological Resources and Community Development (CNBRCD); *No 41, RBI Colony, Ananda Nagar, Bengaluru 560024* [Tel (080) 2333-5368 (R), 94-484-65368 (M); Email [djbagyraj@gmail.com](mailto:djbagyraj@gmail.com)]; **Lecture: Professor TS Sadasivan (2009); INSA Honorary Scientist (2009-2011, 2016-19); SC: X.**



**2022: BAKHSHI, Sameer** (b 1969), MD, Sp: Pediatric and Medical Oncology; FASc, FAMS, Professor, Room No. 243, Department of Medical Oncology, Second Floor, Dr BRA Institute Rotary Cancer Hospital, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029; *E-37, Ansari Nagar West, AIIMS Campus West, New Delhi 110029* [Tel (011) 2658-8153 (O), 2610-0173 (R), 99-588-28763 (M); Fax 2658-8153; Email [sambakh@hotmail.com](mailto:sambakh@hotmail.com)]; **SC: IX.**



**2018: BALAJI, Kithiganahalli Narayanaswamy** (b 1966), PhD, Sp: Immunology, Infectious Diseases, Cell Biology; FASc, FNASc, Professor, *Department of Microbiology and Cell Biology, Indian Institute of Science, Bengaluru 560012*; 877, BSK, 1st Stage, IIInd Block, 6th Cross, Hanumanth Nagar, Bengaluru 560050 [Tel (080) 2293-3223 (O), 2661-5625 (R), 81-975-09682 (M); Email [balaji@iisc.ac.in](mailto:balaji@iisc.ac.in); Web <http://mcbl.iisc.ac.in/balaji/index.html>]; **SC: IX.**



**2016: BALAJI, Vikraman** (b 1962), PhD, Sp: Mathematics; FASc, JC Bose National Fellow, Professor, *Chennai Mathematical Institute, H1 SIPCOT IT Park, Siruseri, Kelambakkam 603103*; 2/3 Sri Krishna Kuteeram, 10 North Avenue, Srinagar Colony, Saidapet, Chennai 600015 [Tel (044) 2747-0226 (O), 98-843-92556 (M); Fax 2747-0225; Email [balaji@cmi.ac.in](mailto:balaji@cmi.ac.in), [vikramanbalaji@gmail.com](mailto:vikramanbalaji@gmail.com)]; **SC: I.**





**1998: BALAKRISHNAN, Narayanaswami** (*b* 1950), BE (Hon), PhD, Sp: Information Security, Complex Networks, Computational Electromagnetics, Polarimetric and Doppler Radars; FASc, FNASc, FNAE, FTWAS, INSA Senior Scientist, *Supercomputer Education and Research Centre, Indian Institute of Science, Bengaluru 560012*; 428, 5th Cross, 1st Main, JRD Tata Nagar, Bengaluru 560092 [Tel (080) 2360-0325 (O), 2351-6160 (R); Fax 2293-3438; Email [balki.iisc@gmail.com](mailto:balki.iisc@gmail.com), [balki@iisc.ac.in](mailto:balki@iisc.ac.in); Web <http://www.serc.iisc.ac.in/faculty/prof-n-balakrishnan/>]; **Lecture:** JL Nehru Birth Centenary (2002); **Council:** VP 2006-08; **SC: V.**



**2018: BALARAM, Hemalatha** (*b* 1956), PhD, Sp: Biochemistry, Metabolism, Molecular Parasitology, Molecular Enzymology; FASc, Professor, *Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur, Bengaluru 560064*; D102, R.V. Apartments, 6th Main, Between 13th and 15th Cross, Malleswaram, Bengaluru 560003 [Tel (080) 2208-2812 (O), 2334-0962 (R), 99-721-77547 (M); Fax 2208-2766; Email [hb@jncasr.ac.in](mailto:hb@jncasr.ac.in)]; **SC: VIII.**



**1985: BALARAM, Padmanabhan** (*b* 1949), PhD, Sp: Chemical Biology and Molecular Biophysics; FASc, FTWAS, Former Director, *Indian Institute of Science, Bengaluru 560012*; DST Year of Science Chair Professor, National Centre for Biological Sciences, Bengaluru [Tel (080) 2334-0962 (R), 99-450-43004 (M); Email [pb@iisc.ac.in](mailto:pb@iisc.ac.in), [pbalaram1949@gmail.com](mailto:pbalaram1949@gmail.com)]; **Medals:** INSA Young Scientist (1977), JC Bose (2004); **Lecture:** JL Nehru Birth Centenary (1995); **Visiting Fellowship:** JL Nehru Birth Centenary (1996); **SC: VIII.**



**1988: BALASUBRAMANIAN, Dorairajan** (*b* 1939), PhD, Sp: Biophysical Chemistry, Biomolecular Interactions, Ocular Biochemistry, Protein Structure; FASc, FNASc, FTWAS, FAAAS, FAAS, Fellow, German Academy of Sciences; Distinguished Scientist & Director of Research Emeritus, *LV Prasad Eye Institute, Road No.2, Banjara Hills, Hyderabad 500034*; Plot No. 40, Sai Enclave, Scientists Colony, Habsiguda, Hyderabad 500007 [Tel (040) 2354-3652, 6810-2501 (O), 98-850-19922 (M); Fax 2354-8271; Email [dbala@lvpei.org](mailto:dbala@lvpei.org), [dbala1939@gmail.com](mailto:dbala1939@gmail.com); Web [www.lvpei.org](http://www.lvpei.org)]; **Medal:** JC Bose (1998), Indira Gandhi Prize for Popularization of Science (2002); **Lecture:** DS Kothari Memorial (2017); **Council:** Ed Pub 1995-97; **SC: VIII.**



**1993: BALASUBRAMANIAN, Kalpattu Kuppusamy** (*b* 1939), PhD, Sp: Organic Chemistry; FASc, Executive Director, R & D, *Shasun Chemical Ltd., 60, Velachery Road, Chennai 600042*; formerly Professor, Department of Chemistry, IIT Chennai; New No. 47 (Old No. 24), Padmanabha Nagar, 5th St., Adyar, Chennai 600020 [Tel (044) 245-1106, 245-1361 (O), 446-1558, 446-1595 (R); Fax 245-2462; Email [kkbalu@hotmail.com](mailto:kkbalu@hotmail.com)]; **Lecture:** Professor S Swaminathan 60th Birthday Commemoration (2000); INSA Senior Scientist (2015-19); **SC: III.**

**1988: BALASUBRAMANIAN, Ramachandran** (*b* 1951), PhD, Sp: Theory of Numbers; INSA Distinguished Professor, The Institute of Mathematical Sciences, Central Institute of Technology Campus, Taramani, Chennai 600113; 10, Golden Avenue, Velachary, Chennai 600042 [Tel (044) 2259-1626 (R), 98-400-17480 (M); Email [balu@imsc.res.in](mailto:balu@imsc.res.in)]; **Medal:** INSA Young Scientist (1980); **Council:** Mem 1994-96; **SC: I.**



**2010: BALYAN, Harindra Singh** (*b* 1951), PhD, Sp: Genetics, Plant Breeding & Crop Biotechnology; FNASc, FNAAS, Honorary Emeritus Professor, INSA Honorary Scientist, *Department of Genetics & Plant Breeding, Chaudhary Charan Singh University, Meerut 250004*; 1/239, Rakshapuram, Mawana Road, Meerut 250001 [Tel (0121) 796-3799 (Lab), 94-125-15497 (M); Email [hsbalyan@gmail.com](mailto:hsbalyan@gmail.com)]; INSA Senior Scientist (2015-19); **SC: X.**



**1955: BAMBAH, Ram Prakash** (*b* 1925), PhD, D.Sc.(h.c) & ScD (Cantab), Sp: Number Theory & Discrete Geometry; FASc, FNASc, FTWAS, Professor Emeritus, formerly VC, Panjab Univ, Chandigarh; 1275, Sector 19B, Chandigarh 160019 [Tel 94-172-24863 (M); Email [bambahrp@rediffmail.com](mailto:bambahrp@rediffmail.com)]; **Medal:** Srinivasa Ramanujan (1979), Aryabhata (1998); **Council:** Mem 1971-73, VP 1979-80; **SC: I.**



**2010: BAMEZAI, Rameshwar Nath Koul** (*b* 1951), PhD, Sp: Genetics, Human Genetics; FNASc, FAMS, Former Dean, School of Life Sciences and School of Computational and Integrative Sciences, JNU, New Delhi; formerly Vice Chancellor, SMVDU, Katra, Jammu; K-G01, Mahindra Aura, Sector-110A, New Palam Vihar, Bajghera Road, Gurugram 122017 [Tel (0124) 495-3345 (R), 99-681-31434 (M); Email [bamezai@mail.jnu.ac.in](mailto:bamezai@mail.jnu.ac.in), [bamezai@hotmail.com](mailto:bamezai@hotmail.com)]; **SC: IX.**



**1990: BAMJI, Mahtab Sohrab** (*b* 1934), PhD, Sp: Biochemistry, Nutrition; FNASc, FNAAS, FAMS, INSA Emeritus Scientist, Dangoria Charitable Trust, Hyderabad 500020; formerly Scientist (Director-Grade), NIN, Hyderabad; 211, Sri Datta Sai Apts, RTC Cross Road, Hyderabad 500020 [Tel (040) 2761-5148 (O&R), 92-468-86442, 95-058-38921 (M)]; Dangoria Charitable Trust Hospital, Village Narsapur, Medak Distt., AP [Tel (08458) 287-841, 286-241 (O); Email [msbamji@gmail.com](mailto:msbamji@gmail.com), [mahtabbamji@yahoo.com](mailto:mahtabbamji@yahoo.com)]; **Medal:** CV Raman (2005); **Lecture:** BC Guha Memorial (1987), JL Nehru Birth Centenary (1998); INSA Honorary Scientist (2008-15); **Council:** Mem 1993-95, VP 2009-11; **SC: IX.**



**2016: BANDYOPADHYAY, Sanghamitra** (*b* 1968), PhD, Sp: Computer Science (Soft Computing, Pattern Recognition and Computational Biology); FNASc, FNAE, FIETE, FIEEE, Director, *Indian Statistical Institute, 203 BT Road, Kolkata 700108*; 6, Dingshai Para Road, Bally, Howrah 711201 [Tel (033) 2577-3084 (O), 2646-7081 (R), 94-323-51600 (M); Fax 2578-3357; Email [sanghami@isical.ac.in](mailto:sanghami@isical.ac.in); Web <http://www.isical.ac.in/~sanghami>]; **Medal:** INSA Young Scientist (2000); **SC: V.**





**2014: BANDYOPADHYAY, Uday** (b 1964), PhD, Sp: Biochemistry and Cell Biology; FASc, FNASc, Director, *Bose Institute, P-1/12 C.I.T Scheme-VII-M, Kolkata 700054*; Senior Principal Scientist, *Division of Infectious Diseases & Immunology, CSIR-Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700032*; Professor of Biological Sciences (Academy of Scientific and Innovative Res), Nature Nest, Flat 2H, 140 Prince Golum Hussain Shah Road, Kolkata 700032 [Tel (033) 2569-3200 (O), (03212) 227-933 (R), 94-740-03048 (M); Fax 2355-3886; Email ubandyo\_1964@yahoo.com]; **SC: VIII.**



**2012: BANERJEA, Akhil Chandra** (b 1956), PhD, Sp: Viral Pathogenesis and Gene Therapy; FNASc, INSA Emeritus Professor, Emeritus Scientist, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi; *B27-GF South End Floors, Sector 49, Sobna Road, Gurugram 122018* [Tel (011) 2670-3616 (O), 2670-3615 (R), 98-187-17833 (M); Fax 2674-2125; Email akhil@nii.res.in, akhil\_banerjea@yahoo.com]; **Lecture:** Dr Y SubbaRow Memorial (2017); **SC: IX.**



**2000: BANERJEE, Dhiraj Mohan** (b 1942), PhD, Sp: Precambrian Sedimentology, Sedimentary Geochemistry; formerly Professor, Department of Geology, Chattra Marg, University of Delhi, Delhi; *25, Uttaranchal Apartments, Plot 5, IP Extension, Patparganj, Delhi 110092* [Tel (011) 2272-3938 (R), 98-186-64238 (M); Email dhirajmohanbanerjee@gmail.com]; INSA Emeritus Scientist (2012-15, 2018-19); **Medal:** DN Wadia (2021); **Council:** Member 2021-; **SC: IV.**



**1995: BANERJEE, Dipankar** (b 1952), BTech, PhD, Sp: Physical Metallurgy; FASc, FNASc, FNAE, Honorary Professor, *Department of Materials Engineering, Indian Institute of Science, Bengaluru 560012* [Tel (080) 2293-2558 (O), 81-977-74747 (M); Fax 2360-0467; Email dbanerjee@iisc.ac.in]; **Council:** Mem 2002-04; **SC: V.**



**1998: BANERJEE, Ranajit Kumar** (b 1944), PhD, Sp: Cell Biology, Molecular Enzymology; FASc, FNASc, formerly Scientist G & Head, Department of Physiology, IICB, Kolkata; *"Nature's Nest" Flat No. 1G, 140, PGH Shah Road, Kolkata 700032* [Tel (033) 2413-0396 (R); Email ranajitb@yahoo.com]; **SC: VIII.**



**2008: BANERJEE, Soumitro** (b 1960), PhD, Sp: Nonlinear Dynamics; FASc, FNAE, FTWAS, FIEEE, Professor, *Department of Physical Sciences, Indian Institute of Science Education & Research (IISER) Kolkata, Mohanpur 741246, West Bengal; 27, LNT Road, PO Botanic Garden, Howrah 711103* [Tel (033) 2502-5380 (R), 94-325-98503 (M); Email soumitro@iiserkol.ac.in; Web <http://www.iiserkol.ac.in/people/faculty/dps/soumitro/>]; **SC: V.**



**2005: BANERJEE, Sunanda** (b 1952), PhD, Sp: Experimental High Energy Physics; FASc, *Visiting Professor, Department of Physics, University of Wisconsin, Madison, WI 53706-1390; 37/1, Beadon Street, Kolkata 700006* [Tel (+1 630) 940-6351 (O), 2555-8173 (R); Email banerjee.sunanda@gmail.com]; **SC: II.**

**2009: BANSAL, Manju** (b 1950), PhD, Sp: Molecular Biophysics, Structural and Computational Biology; FASc, FNAsc, INSA Senior Scientist, JC Bose National Fellow, *Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560 012*; 103, 1st Main Road, AECS Layout, Sanjay Nagar, Bengaluru 560094 [Tel (080) 2293-2534 (O), 98-452-37560 (M); Fax 2360-0535, 2360-0683; Email mb@iisc.ac.in, manju1972blr@gmail.com; Web <http://www.nucleix.mbu.iisc.ac.in/index.htm>]; **Medal:** INSA Young Scientists (1979); **Council:** Mem 2019-21; **SC: VIII.**



**2005: BAPAT, Ravindra B** (b 1954), PhD, Sp: Combinatorial Matrix Theory, Generalised Inverses; FASc, INSA Senior Scientist, *Indian Statistical Institute, 7, SJS Sansanmal Marg, New Delhi 110016*; 147, Samachar Apartments, Mayur Vihar Phase II Extension, New Delhi 110091 [Tel (011) 4149-3934 (O); Fax 2696-1384; Email rbb@isid.ac.in]; **Lecture:** Professor VV Narlikar Memorial (2012); **SC: I.**



**2011: BAPAT, Vishwas Anant** (b 1947) PhD, Sp: Plant Biotechnology and Genetic Engineering; FNAsc, CSIR Emeritus Scientist, NASI Honorary Scientist, *Department of Biotechnology, Shivaji University, Kolhapur 416004*; A-1, Professors' Quarters, Shivaji University Campus, Vidyanagar, Kolhapur 416004 [Tel (0231) 260-9365 (O), 269-7080 (R), 94-207-75733, 99-224-42699 (M); Fax 269-1533, 269-2333; Email vabapat@gmail.com]; INSA Senior Scientist (2012-17); **SC: VII.**



**1998: BARMA, Mustansir** (b 1950), PhD, Sp: Statistical Physics; FASc, FNAsc, FTWAS, Professor Emeritus and former Director, *Tata Institute of Fundamental Research, TIFR Centre for Interdisciplinary Sciences, 36/P Gopanpally Village, Serilingampally, Hyderabad 500046* [Tel (040) 2020-3084 (O), 6776-8504 (R); Fax 2419-5041; Email barma@tifrh.res.in; Web [tifrh.res.in/tcis/faculty/barma/](http://tifrh.res.in/tcis/faculty/barma/)]; **Medal:** INSA Young Scientist (1980); **Lecture:** JL Nehru Birth Centenary (2014); **Council:** Mem 2011-13; **SC: II.**



**2011: BASAK, Amit** (b 1952), PhD (Cal), DPhil (Oxon), Sp: Organic Chemistry; FASc, FNAsc, JC Bose National Fellow, formerly Dean (Faculty), Professor, *Department of Chemistry, Head, School of Bioscience, Indian Institute of Technology, Kharagpur 721302*; A-22, IIT Campus [Tel (03222) 283-300 (O), 283-301 (R), 94-340-13294 (M); Email absk@chem.iitkgp.ernet.in]; **Medal:** Professor S Ranganathan Memorial (2021); **SC: III.**



**2022: BASAK, Soumen** (b 1974), PhD, Sp: Immunology, Cancer Biology, Systems Biology, Virology, Cell Signaling; FASc, FNAsc, Staff Scientist VI and the Laboratory Head, *Systems Immunology Laboratory, National Institute of Immunology, New Delhi 110067*; 74 Vikramshila Apartment, Indian Institute of Technology, Delhi, New Delhi 110016 [Tel (011) 2671-7019 (O), 97-119-84483 (M); Email sobasak@nii.ac.in, sobasak@gmail.com]; **SC: VII.**



**2006: BASAVIAIAH, Deevi** (b 1950), PhD, Sp: Organic Chemistry: Baylis-Hillman Chemistry and Chiral Catalysis; FASc, INSA Senior Scientist, *School of Chemistry, University of Hyderabad, Hyderabad 500046*; Villa # 34, Majeera Purple Town, Gopanpally, Hyderabad 500046 [Tel (040) 2313-4812 (O), 99-490-93977 (M); Fax 2301-2460; Email basavaiahdchem@uohyd.ac.in, basavaiahdeevi@gmail.com; Web <http://chemistry.uohyd.ac.in/~db/index.html>]; **Medal:** Professor TR Seshadri 70th Birthday Commemoration (2009); **SC: III.**





**1992: BASKARAN, Ganapathy** (*b* 1948), PhD, Sp: Condensed Matter Physics, Statistical Mechanics and Theoretical Biology; FASc, FTWAS, Professor Emeritus, *The Institute of Mathematical Sciences, Chennai 600113*; Distinguished Professor, Indian Institute of Technology, Chennai 600036; Distinguished Visiting Research Chair, Perimeter Institute for Theoretical Physics, Waterloo, Ontario, Canada; 19, Kaveri Nagar, Kottivakkam Kuppam Road, Chennai 600041 [Tel (044) 2254-3303 (O), 2451-0504 (R); Fax 2254-1586; 001 (519) 569-7600; Email [baskaran@imsc.res.in](mailto:baskaran@imsc.res.in)]; **SC: II.**



**2020: BASKARAN, Sundarababu** (*b* 1961), PhD, Sp: Synthetic Organic Chemistry; FASc, Institute Chair Professor, *Department of Chemistry, Indian Institute of Technology Madras, Chennai 600036*; B-26-2C, Chera Block, Delhi Avenue, IIT Madras, Chennai 600036 [Tel (044) 2257-4218, 2257-4200 (O), 2257-6218 (R), 98-401-30685 (M); Fax 2257-0545, 2257-4202; Email [sbhaskar@iitm.ac.in](mailto:sbhaskar@iitm.ac.in); Web <http://www.chem.iitm.ac.in/faculty/baskaran/>]; **SC: III.**



**2017: BASU, Anirban** (*b* 1968), PhD, Sp: Neurobiology, Neurovirology, Molecular Medicine and Drug Repurposing; FASc, FNASc, Fellow, American Academy of Microbiology, Scientist-VII, *National Brain Research Centre, Manesar 122052, Haryana*; 202 B, NBRC Campus Housing, National Brain Research Centre, Manesar 122052 [Tel (0124) 284-5225 (O), 98-186-22540 (M); Email [anirban.nbrc@gmail.com](mailto:anirban.nbrc@gmail.com)]; **SC: IX.**



**2022: BASU, Bikramjit** (*b* 1973), PhD, Sp: Biomaterials, Biomedical Engineering and Engineering Ceramics; FNASc, FNAE, FASc, Professor, Materials Research Center, Indian Institute of Science, C V Raman Road, Bengaluru, Karnataka 560012; No. HE-213, 1<sup>st</sup> Floor, High Rise E Type Quarters, Indian Institute of Science, Bengaluru, Karnataka 560012 [Tel (080) 2293-3256 (O), (080) 2973-5032 (R); Fax 2360-7316; Email [bikram@iisc.ac.in](mailto:bikram@iisc.ac.in)]; **SC: V.**



**2009: BASU, Joyoti** (*b* 1957), PhD, Sp: Molecular and Cellular Biology with Special Reference to Mycobacteria; FASc, FNASc, JC Bose National Fellow, *Department of Chemistry, Bose Institute, 93/1, Acharya Prafulla Chandra Road, Kolkata 700009*; 1A Madhab Chatterjee Street, Kolkata 700020 [Tel (033) 2303-1153, 2303-1144 (O), Fax 2350-6790]; **Medal: INSA Young Scientist (1989); SC: VIII.**



**1994: BASU, Sandip Kumar** (*b* 1944), PhD, Sp: Biochemistry, Molecular Biology & Genetics; FASc, FNASc, FTWAS, NASI-JC Bose Chair Professor; *FD 426, Sector 3, Bidhannagar, Kolkata 700106* [Tel 98-914-98821 (M); Email [sandipkbasu@gmail.com](mailto:sandipkbasu@gmail.com)]; **Lecture: Professor MRN Prasad Memorial (1995); Dr Y Subba Row Memorial (2002); Council: Ad Mem 1996, 2004; SC: VIII.**



**2021: BATRA, Janendra Kumar** (*b* 1957), PhD, Sp: Biochemistry, Molecular Biology; FASc, FNASc, *Department of Biochemistry, School of Chemical and Life Sciences, Jamia Hamdard, New Delhi 110062* [Tel (011) 26059688 ext. 5513 (O), 9871499411 (M); Email [jkbatra@jamiahamdard.ac.in](mailto:jkbatra@jamiahamdard.ac.in), [jkbatra@gmail.com](mailto:jkbatra@gmail.com)]; **SC: VIII.**



**2018: BERA, Jitendra Kumar** (*b* 1968), PhD, Sp: Inorganic Chemistry; FNASc, FASc, Professor, *Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur 208016*; House No. 4066, Indian Institute of Technology Kanpur, Kanpur 208016 [Tel (0512) 259-7336 (O), 259-8450 (R), 99-563-90490 (M); Fax 259-6806; Email [jbera@iitk.ac.in](mailto:jbera@iitk.ac.in)]; **SC: III.**

**1993: BHADURI, Sumit** (b 1948), PhD, Sp: Inorganic & Organometallic Chemistry and Catalysis; FASc, 562, Adenwala Road, Rustom Mansion, Mumbai 400019 [Tel (022) 2415-0255 (R); Email sbhaduri26@hotmail.com]; **SC: III.**



**2010: BHALLA, Upinder Singh** (b 1963), PhD, Sp: Computation Neuro Science, Neuro Biology; FASc, Professor, National Centre for Biological Sciences, TIFR, Bellary Road, Bengaluru 560065; 41, Shobha Emerald, Jakkur, Bengaluru 560064 [Tel (080) 2366-6130 (O), 94-828-45028 (M); Fax 2363-6662; Email bhalla@ncbs.res.in; Web https://www.ncbs.res.in/bhalla]; **Council: Mem 2016-18; SC: VIII.**



**2002: BHANDARI, Narendra** (b 1941), PhD, Sp: Earth and Planetary Science; FASc, FNASc, Science & Spirituality Research Institute, 804, Yash Aqua, Vijay Char Rasta, Navrangpura, Ahmedabad 380009; 2 Nilima Flats, Nilima Park Society, Navrangpura, Ahmedabad 380009 [Tel (079) 4897-7890 (O) 2791-2332 (R), 98-240-77890 (M); Email nnbhandari@yahoo.com; Web http://nbhandari.com]; INSA Honorary Scientist (2007-15); **SC: IV.**



**2020: BHANDARI, Nita** (b 1955), MBBS, PhD, Sp: Nutrition, Child Health, Vaccinology; FASc, Senior Scientist and Director, Centre for Health Research and Development, Society for Applied Studies, 45, Kalu Sarai, New Delhi 110016; B-10, Soami Nagar, New Delhi 110017 [Tel (011) 4604-3751-55 (O), 2601-3098 (R), 98-991-44123 (M); Fax 4604-3756; Email nita.bhandari@sas.org.in, nita.bhandari2@gmail.com]; **SC: IX.**



**2010: BHARDWAJ, Anil** (b 1967), PhD, Sp: Planetary and Space Science, Solar System Exploration; FASc, FNASc, J.C. Bose National Fellow, Director, Physical Research Laboratory, Navrangpura, Ahmedabad 380009; PRL Director's Banglow, Near Physical Research Laboratory, Navrangpura, Ahmedabad 380009 [Tel (079) 2631-4855/4854, 2631-4241 (O), 2630-1527 (R), 99-471-49290 (M); Fax 2630-0374; Email abhardwaj@prl.res.in, bhardwaj\_spl@yahoo.com; Web https://www.prl.res.in/~abhardwaj]; **Medal: INSA-Vainu Bappu Memorial (2016); SC: IV.**



**2009: BHARADWAJ, Parimal Kanti** (b 1951), PhD, Sp: Supramolecular Chemistry; FASc, Professor, Department of Chemistry, Indian Institute of Technology, Kanpur 208016; House No 409, IIT K Campus, Kanpur 208016 [Tel (0512) 259-7340, 259-7034 (O), 259-8324 (R); Fax 259-7436, 259-0007; Email pkb@iitk.ac.in]; **SC: III.**



**2019: BHARGAVA, Balram** (b 1961), MBBS, MD, DM, Sp: Medicine (Cardiology) and Medtech Innovation; FASc, FNASc, FAMS; Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi 110029; 431, Asiad Village, New Delhi 110049 [Tel (011) 4175-0574 (O), 98-111-32407 (M); Fax 2658-8663; Email balrambhargava@yahoo.com]; **SC: IX.**





**2014: BHARGAVA, Om Narain** (b 1938), PhD, Sp: Stratigraphy and Structure with Special Reference to the Himalaya; INSA Honorary Scientist, Honorary Professor, Geology Department, Panjab University, formerly Director, Geological Survey of India; 103, Sector 7, Panchkula 134109 [Tel (0172) 259-6510 (R), 98-766-96510 (M); Email onbhargava@gmail.com]; **SC: IV.**



**2016: BHAT, Badekkila Venkatramana Rajarama** (b 1966), PhD, Sp: Mathematics; FASc, Professor, *Stat-Math Unit, Indian Statistical Institute, RV College Post, Bengaluru 560059*; B-4, Indian Statistical Institute, RV College Post, Bengaluru 560059 [Tel (080) 2698-5470 (O), 2698-5504 (R), 98-442-21578 (M); Fax 2848-4265; Email bhat@isibang.ac.in, bvrajjaramabhat@gmail.com]; **Medal:** INSA Young Scientist (1997); **SC: I.**



**2022: BHAT, Navakanta** (b 1968), PhD, Sp: Nanoelectronics and Sensors; FNAE, Professor, *Centre for Nano Science and Engineering, Indian Institute of Science, Bengaluru 560012*; E-35, IISc Campus, Bengaluru 560012 [Tel (080) 2293-3312, 2293-2478 (O), 2360-2680 (R), 94-484-72680 (M); Fax 2360-6475; Email navakant@iisc.ac.in]; **SC: V.**



**2003: BHAT, Subray Venkataraman** (b 1945), PhD, Sp: Physics of Materials; FASc, FNASc, President, Asia-Pacific EPR/ESR Society (2015-16), NASI Senior Scientist Platinum Jubilee Fellow, *Department of Physics, Indian Institute of Science, Bengaluru 560012*; # 132, 8<sup>th</sup> Cross, 3<sup>rd</sup> Main, RMV Second Stage, Bengaluru 560094 [Tel (080) 2293-2727, 2360-0880, 2293-2315 (O), 2341-0312 (R), 98-455-57534 (M); Fax 2360-2602; Email svbhat@iisc.ac.in, svbhat1@gmail.com]; INSA Senior Scientist (2010-11, 2015-16); **SC: II.**



**1988: BHATIA, Chittranjan** (b 1936), PhD, Sp: Genetics, Plant Breeding, Agriculture, Biotechnology; FASc, FNASc, FNAAS, FTWAS, formerly Secretary to the Govt. of India, Department of Biotechnology; 17, *Robini, Plot No. 29-30, Sector 9-A Vashi, Navi Mumbai 400703* [Tel (022) 2765-5178 (R), 98-205-02810 (M); Email crbhatia.bhatia@gmail.com, chittranjan.bhatia@yahoo.com]; **Lecture:** SK Mitra Memorial (1995); **Council:** Mem 2003-05; **SC: X.**



**2005: BHATIA, Rajendra** (b 1952), PhD, Sp: Mathematics: Matrix Analysis, Functional Analysis, Harmonic Analysis; FASc, FNASc, FTWAS, *Professor of Mathematics, Ashoka University, Sonapat 131029*; Professor Emeritus, Indian Statistical Institute, New Delhi; 5092 Parker Residency, Sector 61, Sonapat 131030 [Tel (0130) 230-0754 (O); Email rajendra.bhatia@ashoka.edu.in, rajenbhatia@gmail.com]; **Medal:** INSA Young Scientist (1982), PC Mahalanobis (2017); **Council:** Mem 2018-20; **SC: I.**



**1983: BHATIA, Shashi Bhushan** (b 1930), DIC & PhD (Lond), Sp: Palaeontology, Micropalaeontology & Biostratigraphy; formerly Professor of Geology & Emeritus Scientist (CSIR), Panjab University, Chandigarh; 441, *Sector 6, Panchkula 134109, Haryana* [Tel (0172) 256-0504 (R); Email sudhashi0903@gmail.com]; **SC: IV.**

**1999: BHATNAGAR, Anil Kumar** (b 1942), PhD, Sp: Experimental Solid State & Materials Science, Superconductivity and Magnetism, Glasses, Films & Nano Materials; FNASc, *School of Physics, University of Hyderabad, Hyderabad 500046*; formerly Vice-Chancellor, Pondicherry University, formerly Dean, School of Physics & VC (officiating), University of Hyderabad [Tel (040) 2313-4402 (O), 99-490-43356 (M); Fax 2301-0227; Email anilb42@gmail.com, akbsp@outlook.com]; INSA Senior Scientist (2018-19); **SC: II.**



**2015: BHATNAGAR, Raj Kamal** (b 1955), PhD, Sp: Molecular Biology; Associate Scientist and Group Leader, Insect Resistance, *International Centre for Genetic Engineering and Biotechnology, Aruna Asaf Ali Marg, New Delhi 110067*; Sector D, Pocket-1 Apartment 1064, Vasant Kunj, New Delhi [Tel (011) 2674-1358 Ext 161 (O), 2689-2357 (R), 98-118-96420 (M); Fax 2674-2317; Email raj@icgeb.res.in, rajbhatnagar@hotmail.com]; **SC: VII.**



**2015: BHATNAGAR, Rakesh** (b 1951), PhD, Sp: Microbiology, Immunology; FASc, FNASc, President (Vice-Chancellor), *Amity University, Jaipur Rajasthan*; Flat No. 301, Yamuna Apartment, Vasant Kunj, New Delhi 110070 [Tel 99-711-52004 (M); Email rakeshbhatnagar@jnu.ac.in, prof.rakeshbhatnagar@gmail.com, rbhatnagar1@amity.edu]; **SC: IX.**



**2018: BHATNAGAR, Shalabh** (b 1968), PhD, Sp: Stochastic Approximation Algorithms, Optimization via Simulation, Stochastic Control; FASc, FNASc, FNAE, FIETE, JC Bose National Fellow, Professor, *Department of Computer Science & Automation, Indian Institute of Science, Bengaluru 560012*; DV 015, Vijnanapura Apartments, IISc Campus, RMV 2<sup>nd</sup> Stage, Bangalore 560094 [Tel (080) 2293-2987, 2293-2368 (O), 2351-8822 (R), 98-867-62402 (M); Fax 2360-2911; Email shalabh@iisc.ac.in; Web <http://www.csa.iisc.ac.in/~shalabh/>]; **SC: V.**



**2018: BHATNAGAR, Shinjini** (b 1960), MBBS, PhD, Sp: Health Sciences; FNASc, Professor of Eminence-Maternal & Child Health, *Translational Health Science and Technology Institute, NCR Biotech Science Cluster, 3<sup>rd</sup> Milestone, Faridabad-Gurgaon Expressway, Post Box#04, Faridabad 121001*; House No. 269, Sector 15A, Noida 201301 [Tel (0129) 287-6351 (O), (0120) 434-4552 (R), 98-990-14416 (M); Email shinjini.bhatnagar@thsti.res.in, shinjini.bhatnagar@gmail.com]; **SC: IX.**



**2008: BHATTACHARJEE, Somendra Mohan** (b 1957), PhD, Sp: Theoretical Condensed Matter Physics; FASc, Professor, *Ashoka University, Sonapat 131029* [Tel (0130) 230-0799 (O), 94-379-66448 (M); Email somen@iopb.res.in; Web <https://www.iopb.res.in/~somen/>]; **SC: II.**



**2003: BHATTACHARYA, Abhijit** (b 1955), PhD, Sp: Petrology, Geochemistry, Tectonics; Visiting Professor, *Department of Geology and Geophysics, Indian Institute of Technology, Kharagpur 721302*; CS-180B, Hijli Cooperative Society, Kharagpur 721306 [Tel (03222) 283-350 (O), 94-347-43228 (M); Fax 275-5303; Email abba@gg.iitkgp.ernet.in, abbhat55@gmail.com]; **SC: IV.**





**2000: BHATTACHARYA, Alok** (*b* 1951), PhD, Sp: Molecular Parasitology, Genomics, Bioinformatics; FASc, Professor of Biology, *Ashoka University, Plot No. 2, Rajiv Gandhi Education City, P.O.Rai, Sonapat 131029*; formerly Professor, School of Life Sciences & School of Computational and Integrative Sciences, JNU, New Delhi; 1123, Sector B-1, Vasant Kunj, New Delhi 110070 [Tel 98-108-81439 (M); Email [alok.bhattacharya@ashoka.edu.in](mailto:alok.bhattacharya@ashoka.edu.in), [alok.bhattacharya@gmail.com](mailto:alok.bhattacharya@gmail.com)]; **Medal:** Aryabhata (2015); **Council:** Mem 2005-07, VP 2011-13; **SC: VIII.**



**1990: BHATTACHARYA, Samir** (*b* 1942), PhD, Sp: Comparative Endo-crinology and Molecular Signaling; FASc, FNASc, *Centre of Advanced Studies in Zoology, School of Life Sciences, Visva Bharati, Santiniketan 731235, West Bengal*; North-East Institute of Science and Technology (CSIR), Jorhat 785006, Assam; formerly Director, IICB, Kolkata [Tel (03463) 261-268, 262-838 (R), (0376) 237-0012 (O); Fax (03463) 261-176, (0376) 237-0011; Email [bhattacharyasa@gmail.com](mailto:bhattacharyasa@gmail.com)]; **Medal:** Chandrakala Hora Memorial (2007); **Lecture:** Professor MRN Prasad Memorial (1998); **Council:** Mem 2001-02, VP 2003; **SC: VI.**



**2007: BHATTACHARYA, Santanu** (*b* 1958), PhD, Sp: Chemical Biology, Supramolecular Chemistry and Nano Materials; FASc, Profesor, Department of Organic Chemistry, Indian Institute of Science, Bengaluru 560012; Formerly Director, *Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700032* [Tel (033) 2473-4688, 2473-4971 Ext 2101 (O); Fax 2483-6561, 2473-2805; Email [director@iacs.res.in](mailto:director@iacs.res.in)]; **Lecture:** Dr Nitya Anand Endowment (2007); **Council:** Mem 2021-; **SC: III.**



**2014: BHATTACHARYA, Sudha** (*b* 1952), PhD, Sp: Molecular Biology, Molecular Parasitology; FASc, FNASc, JC Bose National Fellow, formerly Professor, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi 110067; *1123, Sector B-1, Vasant Kunj, New Delhi 110070* [Tel (011) 2670-4308 (O), 98-184-76740 (M); Fax 2674-1502; Email [sb@mail.jnu.ac.in](mailto:sb@mail.jnu.ac.in), [sbjnu110@gmail.com](mailto:sbjnu110@gmail.com)]; **Lecture:** KS Krishnan Memorial (2016); **SC: VIII.**



**2001: BHATTACHARYA, Sujit Kumar** (*b* 1950), MD, Sp: Diarrhoeal Diseases, HIV/AIDS, Kala-azar, COVID-19, Infectious Diseases; FNASc, FAMS, FNA, FIPHA, NASI-Senior Scientist Platinum Jubilee Fellow, formerly Director, National Institute of Cholera and Enteric Diseases, Kolkata; formerly ADG, ICMR, Presently Senior Medicine Consultant, Department of Internal Medicine, Bengal Faith Hospital, Burdwan, West Bengal; *G-2, Cluster VIII, Purbachal, Salt Lake, Kolkata 700097* [Tel 86-974-62003 (M); Email [sujitkbhattacharya@yahoo.com](mailto:sujitkbhattacharya@yahoo.com)]; **SC: IX.**



**1986: BHATTACHARYYA, Amalendu Bhushan** (*b* 1937), PhD, Sp: Micro-Electronics; Emeritus Professor, Jai Prakash Institute of Information Technology, A-10, Sector 62, Noida; formerly Dean, Industrial Research and Development, IIT, New Delhi; *C-184, Sector 26, Noida 201301* [Tel (0120) 431-1691 (R), 98-181-26754 (M); Email [abbhattacharya@yahoo.com](mailto:abbhattacharya@yahoo.com)]; **SC: V.**



**2022: BHATTACHARYYA, Aninda Jiban** (*b* 1968), PhD, Sp: Materials and Physical Chemistry, Energy; FASc, FNASc, Professor, *Solid State and Structural Chemistry Unit, Division of Chemical Sciences, Indian Institute of Science, Bengaluru 560012*; [Tel 80-229-32616 (O) 99-002-69068 (M); Email [anindajb@ac.iisc.in](mailto:anindajb@ac.iisc.in), [anindajbhattacharyya@gmail.com](mailto:anindajbhattacharyya@gmail.com)]; **SC: III.**

**2009: BHATTACHARYYA, Archana** (b 1948), PhD, Sp: Ionospheric Physics and Geomagnetism; FASc, FNASc, INSA Senior Scientist, *Centre of Studies in Resources Engineering, Indian Institute of Technology Bombay, Powai, Mumbai 400076*; 303 Mohnesh-3, Sector 21, Nerul (E), Navi Mumbai 400706 [Tel 96-195-43004 (M), 2772-2014 (R)]; Email archana.bhattacharyya@gmail.com]; **Council:** Ad Mem 2015; **SC: IV.**



**2013: BHATTACHARYYA, Gautam** (b 1966), PhD, Sp: High Energy Physics (Theory); FASc, FNASc, JC Bose National Fellow, Senior Professor and Director, *Saha Institute of Nuclear Physics, Sector 1, Block AF, Bidhan Nagar, Kolkata 700064*; 2/58 (2nd Floor), Naktala, Kolkata 700047 [Tel (033) 2337-5345-49 (O), 94-330-28531 (M); Fax 2337-4637; Email gautam.bhattacharyya@saha.ac.in, gautam.sinp@gmail.com]; **SC: II.**



**2002: BHATTACHARYYA, Kankan** (b 1954), PhD, Sp: Physical Chemistry, Ultrafast Laser Spectroscopy, Confocal Microscopy, Live Cell; FASc, FNASc, FTWAS, *Department of Chemistry, Indian Institute of Science Education & Research (IISER) Bhopal, Bhopal Bypass Road, Bhauri, Bhopal 462066*; Flat 3B2/Bay, Hiland Park, Kolkata 700094 [Tel (033) 2436-4457, 2462-5248 (R), 94-330-71155 (M); Email kankan@iiserb.ac.in, kankan.bhattacharyya@gmail.com]; **Medal:** Golden Jubilee Commemoration (Chem Sc) (2010); **Lecture:** Professor Sadhan Basu Memorial (2011); **Council:** Mem 2007-09, Ad Mem 2012-13, VP 2016-18; **SC: III.**



**2021: BHATTACHARYYA, Suvendra Nath** (b 1975), PhD, Sp: Molecular Cell biology; Senior Principal Scientist and Head, *Molecular Genetics Division, CSIR-Indian Institute of Chemical Biology 4, Raja SC Mullick Road Kolkata 700032*; 23, Januki Nath Bose Road, Harinavi, 24 Parganas (South), West Bengal, 700148 [Tel (033) 24995783(O), 24279515 (R), 98-316-33460(M); Fax 24735197; Email suvendra@iicb.res.in; suvendrab@yahoo.com]; Medal: INSA Young Scientist (2004); **SC-VIII.**



**2021: BHATTACHARYYA, Tirthankar** (b 1968), PhD, Sp: Functional Analysis; FASc, Professor, *Department of Mathematics, Indian Institute of Science, Bengaluru 560012*; HE 321, HE Quarters, Indian Institute of Science, Bengaluru 560012 [Tel (080) 2293-2710 (O), 94-482-79673 (M); Fax 2360-0146; Email tirtha@iisc.ac.in]; **SC: I.**



**2001: BHATWADEKAR, Shrikant Mahadeo** (b 1946), PhD, Sp: Commutative Algebra and Algebraic Geometry; FASc, Visiting Professor, Bhaskaracharya Pratishthan (Institute of Mathematics); formerly Senior Professor, TIFR, Mumbai; 56/14, Erandavane, Damle Path, Pune 411004 [Tel (020) 2542-8723 (R), 98-696-32801 (M); Email smbhatwadekar@gmail.com]; INSA Senior Scientist (2016-19); **Council:** Mem 2009-11; **SC: I.**



**1990: BHAWALKAR, Dilip Devidas** (b 1940), PhD, Sp: Lasers and their Applications; FASc, FNASc, Director, *Quantalase Enterprises Pvt Ltd., 26, Paramanu Nagar, CAT-RAU Road, Indore 452013* [Tel (0731) 232-2707 (O), 232-0031 (R)]; Email ddbhawalkar@yahoo.com, ddbhawalkar@quantalase.in]; **SC: II.**





**1998: BHISEY, Rajani Avinash** (*b* 1941), PhD, Sp: Environmental Carcinogenesis, Molecular Epidemiology; FASc, formerly Head, Carcinogenesis Division, Cancer Research Institute, Parel, Mumbai; 7 *Yugprabhat Society, Sitaladevi Temple Road, Mahim, Mumbai 400016* [Tel (022) 2446-7356 (R); Email [rajani.bhisey@gmail.com](mailto:rajani.bhisey@gmail.com)]; **SC: IX.**



**2011: BHOSLE, Ushadevi Narendra** (*b* 1949), PhD, Sp: Algebraic Geometry; FASc, FNASc, INSA Senior Scientist, Indian Statistical Institute, Bengaluru; formerly Senior Professor, Tata Institute of Fundamental Research, Mumbai and Raja Ramanna Fellow, Indian Institute of Science, Bengaluru; *Flat No. 256, Jal Vayu Towers, Benniganahalli, Bengaluru 560038* [Tel 88-616-96296 (M); Email [usha@math.tifr.res.in](mailto:usha@math.tifr.res.in), [usnabh07@gmail.com](mailto:usnabh07@gmail.com)]; **SC: I.**



**2010: BHOWMICK, Anil Kumar** (*b* 1954), PhD, Sp: Polymer Science and Engineering; FNAE, Research Professor, *Department of Chemical and Biomolecular Engineering, The University of Houston, Houston, Texas, 77204, USA*; former Professor of Eminence, Rubber Technology Centre, IIT Kharagpur; Former Director, IIT Patna [Tel (001-713) 743-9241 (O), 97-714-35882, 94-340-05882 (M); Email [akbhowmick@uh.edu](mailto:akbhowmick@uh.edu), [anilkb@rtc.iitkgp.ernet.in](mailto:anilkb@rtc.iitkgp.ernet.in), [anilbhowmick@gmail.com](mailto:anilbhowmick@gmail.com); Web [anilkbhowmick.in](http://anilkbhowmick.in)]; **Medal:** SH Zaheer (2020); **SC: V.**



**1981: BHUTANI, Om Parkash** (*b* 1935), PhD, Sp: Applied Mathematics, Symmetries and Differential Equations; formerly Dean PGS&R, Chairman & Professor, Department of Mathematics, IIT, New Delhi 110016; *B-1/1057, Vasant Kunj, New Delhi 110070* [Tel (011) 2613-7825 (R); Email [bhutaniop@hotmail.com](mailto:bhutaniop@hotmail.com)]; **Visiting Fellowship:** J.L. Nehru Birth Centenary (1998); INSA Senior Scientist (1996-2001); **Council:** Ed Pub 1994-96; **SC: I.**



**2013: BISWAS, Gautam** (*b* 1956), PhD, Sp: Heat Transfer, Computational Fluid Dynamics, Fluid Mechanics, Microfluidics; FASc, FNASc, FNAE, JC Bose National Fellow, Professor, *Indian Institute of Technology Kanpur, Kanpur 208016*; formerly Director, IIT Guwahati and formerly Director, CSIR-CMERI, Durgapur [Tel (0512) 259-7656 (O), 88-110-86524 (M); Fax 259-7408; Email [gtm@iitk.ac.in](mailto:gtm@iitk.ac.in); Web <http://home.iitk.ac.in/~gtm/>]; **SC: V.**



**2014: BISWAS, Indranil** (*b* 1964), PhD, Sp: Algebraic Geometry; FASc, Senior Professor (I), *Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400005*; 203, Meghnad, TIFR Housing Colony, Homi Bhabha Road, Mumbai 400005 [Tel (022) 2278-2220 (O), 2280-4832 (R), 98-336-17499 (M); Fax 2280-4610/4611; Email [indranil@math.tifr.res.in](mailto:indranil@math.tifr.res.in)]; **SC: I.**



**2016: BORGES, Renee Maria** (*b* 1959), PhD, Sp: Evolutionary Ecology; FASc, J.C. Bose National Fellow, Professor, *Centre for Ecological Sciences, Indian Institute of Science, Bengaluru 560012*; 247, Rajmahal Vilas Extension II, Bengaluru 560094 [Tel (080) 2293-3103, 2360-2972 (O), 2341-7366 (R); Fax 2360-1428; Email [renee@iisc.ac.in](mailto:renee@iisc.ac.in)]; **SC: VI.**

**1997: BORKAR, Vivek Shripad** (b 1954), MS (Case Western), PhD (Calif), Sp: Analysis and Control of Stochastic Systems; FASc, FNASc, FNAE, Professor, *Department of Electrical Engineering, Indian Institute of Technology, Mumbai 400076* [Tel 99-690-66626 (M); Fax 2572-3707; Email [borkar.vs@gmail.com](mailto:borkar.vs@gmail.com)]; **Medal:** PC Mahalanobis (2008); **Council:** Mem 2015-17; **SC: V.**



**2007: BOSE, Arup** (b 1959), PhD, Sp: Statistics and Probability; FASc, FNASc, Professor, *Statistics and Mathematics Unit, Indian Statistical Institute, 203, Barrackpore Trunk Road, Kolkata 700108*; Flat 4 A, Shantiniketan Apartments, 242 Jodhpur Park, Kolkata 700068 [Tel (033) 2575-3409 (O), 98-304-96250 (M); Fax 2577-3071; Email [bosearu@gmail.com](mailto:bosearu@gmail.com), [abose@isical.ac.in](mailto:abose@isical.ac.in); Web <http://www.isical.ac.in/~abose/>]; **Medal:** PC Mahalanobis (2020); **SC: I.**



**1995: BRAHMACHARI, Samir Kumar** (b 1952), PhD, Sp: Structural Biology, Functional Genomics, Open Source Drug Discovery; FASc, FNASc, FNAE, JC Bose National Fellow, Academy Professor, Academy of Scientific and Innovative Research, *CSIR-Institute of Genomics and Integrative Biology, Mathura Road, Sukhdev Vihar, New Delhi 110020*; 14, Cavalry Lines, Delhi University 110007 [Tel (011) 2987-9405 (O), 98-104-43272 (M); Email [skb@igib.in](mailto:skb@igib.in), [brahmacharisk@gmail.com](mailto:brahmacharisk@gmail.com)]; **Medal:** INSA Young Scientist (1979), JC Bose (2007); **Council:** Mem 2009-11; **SC: VIII.**



**2016: BRAHMACHARI, Vani** (b 1955), PhD, Sp: Epigenetics and Developmental Biology, Molecular Genetics; FNASc, Professor (Rtd), *Epigenetics and Developmental Biology Group, Dr BR Ambedkar Center for Biomedical Research, University of Delhi, Delhi 110007*; B-101, Karle Zenith Residences, 100ft Kempapura Road, Nagavara, Bangalore 560045 [Tel 98-188-41024 (M); Email [vani.brahmachari@gmail.com](mailto:vani.brahmachari@gmail.com), [vbrahmachari@acbr.du.ac.in](mailto:vbrahmachari@acbr.du.ac.in)]; **Medal:** INSA Young Scientist (1985); **SC: VII.**



**2009: BUDHANI, Ramesh Chandra** (b 1955), PhD, Sp: Physics, Physics of Quantum Materials (Superconductivity and Magnetism in Low Dimensional Systems); FASc, FNASc, Professor, *Department of Physics, Morgan State University, 1700 E Cold Spring Lane, Baltimore MD 21251*, Adjunct Professor, Department of Physics, University of Maryland, 4150 Campus Dr, College Park, MD 20742 [Tel 443-885-1017 (O); Email [ramesh.budhani@morgan.edu](mailto:ramesh.budhani@morgan.edu), [rbudhani1@jh.edu](mailto:rbudhani1@jh.edu), [rbudhani@umd.edu](mailto:rbudhani@umd.edu), [rcb@iitk.ac.in](mailto:rcb@iitk.ac.in)]; **SC: II.**



**2004: BUJURKE, Nagendruppa Masanappa** (b 1944) PhD, Sp: Applied Mathematics, Fluid Mechanics, Computational Techniques, Krylov Subspace Methods, Wavelets, Physiological Fluid Flows; FNASc, INSA Emeritus Scientist, PG Department of Mathematics, Karnatak University, Dharwad 580003; *"Aditya", Plot no. 33, First Main 4th Cross, UCB Nagar, Dharwad 580007* [Tel (0836) 221-5222 (O), 94-484-24745, 78-922-66448 (M); Fax 274-7884; Email [bujurke@yahoo.com](mailto:bujurke@yahoo.com)]; INSA Senior Scientist (2005-07, 2009-12), INSA Honorary Scientist (2018-19); **SC: I.**



**1981: BUTI, Bimla** (b 1933), PhD (U of Chicago, USA), Sp: Plasma Physics; FNASc, FTWAS, **Fellow American Institute of Physics**; Director, Centre for Science and Society; President, Buti Foundation; 20 Swagat Mahal, Chandkheda, Ahmedabad 382424; formerly Senior Professor, PRL, Ahmedabad [Tel 98-253-19013 (M); Email [bimlabuti@gmail.com](mailto:bimlabuti@gmail.com), [bbuti@butifoundation.org](mailto:bbuti@butifoundation.org)]; **Medal:** INSA-Vainu Bappu Memorial (1994); **Lecture:** JL Nehru Birth Centenary (1993); **Council:** Mem 1991-93; **SC: II.**





**2005: CHADDAH, Praveen** (b 1951), PhD, Sp: Condensed Matter Physics; FASc, FNASc, formerly Director, UGC-DAE Consortium for Scientific Research, University Campus, Khandwa Road, Indore 452017; *Flat 702, Block 24, Heritage City (near MG Road Metro Station), Gurugram 122002* [Tel (0124) 428-0243 (R), 96-301-28811 (M); Email [chaddah.praveen@gmail.com](mailto:chaddah.praveen@gmail.com)]; **Medal:** INSA Young Scientist (1978); **SC: II.**



**1983: CHADHA, Mohindra Singh** (b 1928), PhD (Cornell), Sp: Organic and Bio-Organic Chemistry; FNASc, formerly Director, Biochemical Group, BARC, Mumbai; *C-6, Beach House Apts, Gandhigram Road, Jubu, Mumbai 400049* [Tel (022) 2620-2596 (R), 98-214-41121 (M); Email [chadhams@gmail.com](mailto:chadhams@gmail.com)]; INSA Senior Scientist (1991-94); **SC: III.**



**2003: CHAKRABARTI, Bikas Kanta** (b 1952), PhD, Sp: Statistical and Condensed Matter Physics; FASc, Professor, *Saha Institute of Nuclear Physics, Sector 1, Block AF, Bidhan Nagar, Kolkata 700064*; *Flat 4R-3/7 ANANYA, 25C, RM Dutta Garden Lane, Belegkata, Kolkata 700010* [Tel (033) 2337-5345-49 (O), 2370-9377 (R); Fax 2337-4637; Email [bikask.chakrabarti@saha.ac.in](mailto:bikask.chakrabarti@saha.ac.in)]; **Medal:** INSA Young Scientist (1984); **SC: II.**



**2000: CHAKRABARTI, Partha Pratim** (b 1962) PhD, Sp: Computer Science and Engineering; Professor, *Indian Institute of Technology Kharagpur, Kharagpur 721302*; *Qtr No A-16, IIT Campus, Kharagpur 721302* [Tel (03222) 283-466 (O), 283-467 (R); Fax 282-000; Email [ppchak@cse.iitkgp.ac.in](mailto:ppchak@cse.iitkgp.ac.in), [ppchak\\_99@yahoo.com](mailto:ppchak_99@yahoo.com)]; **Medal:** INSA Young Scientist (1991), AK Bose Memorial (1995); **Council:** Mem 2017-19; **SC: V.**



**2006: CHAKRABARTI, Pinakpani** (b 1955), PhD, Sp: Molecular Biophysics, X-ray Crystallography and Structural Biology, Bioinformatics; FASc, FNASc, FTWAS, JC Bose National Fellow, *Department of Biochemistry, Bose Institute, P-1/12 CIT Scheme VIII M, Kolkata 700054*; *A2 Srobona, Neelachal Abasan, 98 Rajdanga Gold Park (N), Kolkata 700107* [Tel (033) 2659-3238 (O), 98-307-51009 (M); Fax 2355-3886; Email [pinak@jcbose.ac.in](mailto:pinak@jcbose.ac.in), [pinak.chak@gmail.com](mailto:pinak.chak@gmail.com); Web <http://www.jcbose.ac.in/faculty-details/pinakpani-chakrabarti>]; **Medal:** JC Bose (2016); **Lecture:** BC Guha Memorial (2011); **SC: VIII.**



**2012: CHAKRABARTI, Sekhar** (b 1952), PhD, Sp: Viral Diseases with Special Emphasis on Genetic Characterization of Viruses and Mechanism of Pathogenesis; FNASc, Erudite Professor, *Calcutta School of Tropical Medicine, Kolkata*; formerly Scientist G and Director-in-charge, *National Institute of Cholera & Enteric Diseases; Flat No B-005, VIP Enclave-II, VIP Road, Baguibati, Kolkata 700059* [Tel 98-315-04066 (M); Email [sekharchakrabarti61@gmail.com](mailto:sekharchakrabarti61@gmail.com)]; **SC: IX.**



**2019: CHAKRABARTI, Soumen** (b 1969), PhD, Sp: Computer Science, Text and Web Search, Social Networks; FASc, FNAE, JC Bose National Fellow, Professor, *Computer Science, Indian Institute of Technology Bombay, Powai, Mumbai 400076* [Tel (022) 2576-7716 (O); Fax 2572-0022; Email [soumen@cse.iitb.ac.in](mailto:soumen@cse.iitb.ac.in)]; **SC: V.**

**2016: CHAKRABORTI, Asit Kumar** (b 1954), PhD, Sp: Organic Chemistry; FASc, FRSC, Visiting Professor, Department of Chemistry, Indian Institute of Technology Ropar, Rupnagar, Punjab 140001; Former Professor and Head, Department of Medicinal Chemistry, National Institute of Pharmaceutical Education and Research (NIPER), Punjab; *Mahananda Apartment, Block A, Flat No. 4, 5A Green Rom, Kolkata 700084* [Tel 94-177-70515 (M); Email [chakrabortiak@iitrpr.ac.in](mailto:chakrabortiak@iitrpr.ac.in), [akchakraborti@niper.ac.in](mailto:akchakraborti@niper.ac.in), [akchakraborti@rediffmail.com](mailto:akchakraborti@rediffmail.com)]; **Lecture:** Dr Nitya Anand Endowment (2021); **SC: III.**



**2011: CHAKRABORTI, Pradip Kumar** (b 1956), PhD, Sp: Molecular Biology & Biochemistry, Molecular Microbiology; FASc, FNASc, Professor, *Department of Biotechnology, School of Chemical and Life Sciences, Jamia Hamdard, Hamdard Nagar, New Delhi 110062*; former Chief Scientist, CSIR-Institute of Microbial Technology, Chandigarh; House No. 1005, Sector 39B, Chandigarh 160036 [Tel (011) 2605-9668 Ext 5583 (O), (0172) 500-3975 (R), 98-158-63975 (M); Fax 2605-9666; Email [pkchakraborti@jamiahamdard.ac.in](mailto:pkchakraborti@jamiahamdard.ac.in), [pradipkchakraborti@gmail.com](mailto:pradipkchakraborti@gmail.com)]; **Medal:** Professor BS Trivedi Memorial (2020); **SC: IX.**



**2016: CHAKRABORTY, Niranjana** (b 1958), PhD, Sp: Plant Molecular Biology, Plant Proteomics; FNASc, FNAAS, Professor-of-Eminence, *National Institute of Plant Genome Research, Jawaharlal Nehru University Campus, Aruna Asaf Ali Marg, New Delhi 110067*; C9/9428, Vasant Kunj, New Delhi 110070 [Tel (011) 2673-5178 (O), 2613-9428 (R), 98-732-08264 (M); Fax 2674-1658; Email [nchakraborty@hotmail.com](mailto:nchakraborty@hotmail.com), [nchakraborty@nipgr.ac.in](mailto:nchakraborty@nipgr.ac.in)]; **SC: VII.**



**2022: CHAKRABORTY, Subhra** (b 1964), PhD, Sp: Nutritional and Stress Genomics, Plant Immunity, Plant Proteomics, Molecular Biology & Biotechnology; FASc, FNASc, FNAAS, JC Bose National Fellow, Director, *National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110067*; Director's Residence, NIPGR, Aruna Asaf Ali Marg, New Delhi 110067 [Tel (011) 2673-5169 (O), 2674-2263 (R), 99-719-23777 (M); Fax 2674-1658; Email [subhrac@hotmail.com](mailto:subhrac@hotmail.com), [schakraborty@nipgr.ac.in](mailto:schakraborty@nipgr.ac.in)]; **SC: VII.**



**2017: CHAKRABORTY, Suman** (b 1973), PhD, Sp: Microfluidics, Nanofluidics and Microscale/Nanoscale Transport Processes; FASc, FNASc, FNAE, Professor, *Department of Mechanical Engineering, Indian Institute of Technology Kharagpur, Kharagpur 721302*; 28/9, Station Road, PO Dhakuria, Kolkata 700031 [Tel (03222) 282-990 (O), 98-314-02939 (M); Fax 282-278; Email [suman@mech.iitkgp.ac.in](mailto:suman@mech.iitkgp.ac.in)]; **Medal:** INSA Young Scientist (2003); AK Bose Memorial (2007); **SC: V.**



**2020: CHAKRABORTY, Supriya** (b 1969), PhD, Sp: Biology of Plant Virus Interactions; FNASc, FNAAS, Professor (Virology), *Molecular Virology Laboratory, School of Life Sciences, Jawaharlal Nehru University, New Delhi 110067*; 16, Dakshina Puram, Jawaharlal Nehru University, New Delhi 110067 [Tel (011) 2670-4153 (O), 2674-1875 (R), 98-686-28684 (M); Fax 2674-2558; Email [supriyachakrasls@yahoo.com](mailto:supriyachakrasls@yahoo.com), [schakraborty@mail.jnu.ac.in](mailto:schakraborty@mail.jnu.ac.in)]; **SC: VII.**



**2007: CHAKRABORTY, Tushar Kanti** (b 1957), PhD, Sp: Organic Synthesis, Peptides, Peptidomimetics; FASc, FNASc, Professor, *Department of Organic Chemistry, Indian Institute of Science, Bengaluru 560012*; formerly Director, CSIR-Central Drug Research Institute, Lucknow [Tel (080) 2293-2215 (O), 6882-2680 (R); Fax 2360-0529; Email [tushar@iisc.ac.in](mailto:tushar@iisc.ac.in), [tusharkantichakraborty@gmail.com](mailto:tusharkantichakraborty@gmail.com)]; **SC: III.**





**2006: CHAKRAVARTY, Akhil Ranjan** (*b* 1953), PhD, Sp: Bioinorganic and Medicinal Inorganic Chemistry; FASc, FTWAS, Honorary Professor, *Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bengaluru 560012*; No. 551, MANOBELA, 4<sup>th</sup> Cross, Tata Nagar, Kodigehalli, Bengaluru 560092 [Tel (080) 2293-2533 (O), 2351-5407 (R), 94-482-75407 (M); Fax 2360-1552, 2360-0683; Email arc@iisc.ac.in, akhilchakravarty@gmail.com; Web <http://ipc.iisc.ac.in/arc/>]; **SC: III.**



**2017: CHAKRAVORTY, Dipshikha** (*b* 1968), PhD, Sp: Microbiology, Infectious Diseases; FNASc, Professor, *Department of Microbiology and Cell Biology, Indian Institute of Science, CV Raman Avenue, Bengaluru 560012*; IISc Campus, IISc, Bengaluru 560012 [Tel (080) 2293-2842 (O), 2360-6657 (R), 99-027-89453 (M); Fax 2360-2697; Email dipa@iisc.ac.in]; **SC: IX.**



**1979: CHAKRAVORTY, Animesh** (*b* 1935), PhD, DSc (*hc*), Sp: Inorganic & Structural Chemistry, History of Chemistry; FASc, FTWAS, *Flat 8/3, 6 Sunny Park, Kolkata 700019* [Tel 94-338-01715, 96-744-08868 (M); Email animeshc31@gmail.com]; **Professorship:** INSA-Golden Jubilee Research Professor (1996-2001); **Medal:** Professor TR Seshadri 70th Birthday Commemoration (1988); **Council:** Mem 1987-89; **SC: III.**



**1983: CHAKRAVORTY, Dipankar** (*b* 1937), MTech, PhD, DSc (*hc*), Sp: Materials Science; FASc, FTWAS, Emeritus Professor and INSA Emeritus Scientist, *Indian Association for the Cultivation of Science, 2A & B, Raja SC Mullick Road, Jadavpur, Kolkata 700032*; 8/1, Clarke Street, Kolkata 700026 [Tel (033) 2473-4971 (O), 2476-1351 (R); Fax 2473-2805; Email mlsdc@iacs.res.in, dipchak37@gmail.com]; **Lecture:** INSA Prize for Materials Science (2005); INSA Senior Scientist (2003-07), INSA Honorary Scientist (2007-15); **Council:** Mem 1989-91, VP 1998-2000; **SC: V.**



**2022: CHANDAK, Giriraj Ratan** (*b* 1963), MD, PhD, DNB Sp: Human and Medical Genetics; FASc, FNASc, FAMS, Scientist G (Deputy Director), E406, East Wing 3<sup>rd</sup> Floor, Main Building, CSIR-Centre for Cellular and Molecular Biology (CSIR-CCMB), Habsiguda, Uppal Road, Hyderabad 500007; Flat No. D306, Indu Aranya Apartments, GSI Post, Bandlaguda, Nagole, Hyderabad 500068 [Tel (040) 2719-2748 (O), 2970-4365 (R), 98-490-84365 (M); Email chandakgrc@ccmb.res.in]; **SC: IX.**



**2013: CHANDRA, Amalendu** (*b* 1963), PhD, Sp: Theoretical Physical Chemistry; FASc, Professor, *Department of Chemistry, Indian Institute of Technology, Kanpur 208016*; House No 632, Indian Institute of Technology, Kanpur 208016 [Tel (0512) 259-7241 (O), 259-8446 (R), 94-150-45276 (M); Fax 259-7436; Email amalen@iitk.ac.in]; **Medal:** INSA Young Scientist (1995); AK Bose Memorial (1997); **SC: III.**



**1986: CHANDRA, Hombe Gowda Sharat** (*b* 1938), PhD, Sp: Human Genetics, Evolution; FASc, *Centre for Human Genetics, Biotech Park, Electronic City, Phase I, Bengaluru 560100*; 192, 24th B Cross, 8th Main, 3rd Block, Jayanagar, Bengaluru 560011 [Tel (080) 2852-1831, 2852-1833 (O), 2663-9353 (R); Fax 2852-1832; Email sharat@iisc.ac.in, sharat@chg.res.in]; **Lecture:** JL Nehru Birth Centenary (1990); **Council:** Mem 1993-95; **SC: VII.**

**2022: CHANDRA, Nagasuma** (*b* 1965), PhD, Sp: Systems Biology; FASc, Professor, Department of Biochemistry, Indian Institute of Science, Bengaluru 560012; D2, 247, Ashirwad, 3<sup>rd</sup> Main Road, Mahalakshmi Layout, Bengaluru 560086 [Tel (080) 2293-2892 (O), 98-457-83140 (M); Fax 2360-0814; Email [nchandra@iisc.ac.in](mailto:nchandra@iisc.ac.in); Web <http://proline.biochem.iisc.ernet.in>]; **SC: VIII.**



**1997: CHANDRAKUMAR, Narayanan** (*b* 1951), PhD, Sp: Magnetic Resonance Spectroscopy & Imaging, Chemical Physics, Physical Chemistry, Instrumentation; FASc, Professor Emeritus, *MRI-MRS Centre and Department of Chemistry, Indian Institute of Technology, Chennai 600036*; formerly Director-Grade-Scientist, Chemical Physics, CSIR-CLRI, Chennai; H4-2, Southern Shelters Housing Complex, Kattupakkam, Chennai 600056 [Tel (044) 2257-4920 (O), 2679-1073 (R); Fax 2257-4202; Email [nckumar@iitm.ac.in](mailto:nckumar@iitm.ac.in), [chandrakumar.iitm@gmail.com](mailto:chandrakumar.iitm@gmail.com); Web <http://chem.iitm.ac.in>]; **Lecture:** Professor RK Asundi Memorial (2002), Professor KR Rao Memorial (2004); **Council:** Mem 2004-06; **SC: III.**



**2022: CHANDRAN LEELA, Sunil** (*b* 1974), PhD, Sp: Graph Theory, Combinatorics; FNAE, Professor, *Department of Computer Science and Automation, Indian Institute of Science, Bengaluru 560012*; NE-216, IISc Main Campus, Indian Institute of Science, Bengaluru 560012 [Tel (080) 2293-2907(O), 2972-1790 (R), 98-805-21790 (M); Fax 2360-2911; Email [sunil@iisc.ac.in](mailto:sunil@iisc.ac.in), [sunil.cl@gmail.com](mailto:sunil.cl@gmail.com)]; **Medal:** INSA Young Scientist (2007); **SC: I.**



**1992: CHANDRASEKARAN, Srinivasan** (*b* 1945), PhD, Sp: Organic Synthesis, Organometallic Chemistry, Catalysis; FASc, FTWAS, INSA Distinguished Professor, *Department of Organic Chemistry, Indian Institute of Science, Bengaluru 560012*; 294 A, G1, 14th Cross, Dollars Colony, RMV II Stage, Bengaluru 560094 [Tel (080) 2293-2404 (O), 4165-1209 (R), 98-860-88344 (M); Fax 2360-0683, 2360-0529; Email [scn@iisc.ac.in](mailto:scn@iisc.ac.in); Web <http://www.iisc.ac.in>]; **Medal:** Golden Jubilee Commemoration (Chem Sc) (2007); **Lecture:** JL Nehru Birth Centenary (2001); **Council:** 1998-2000; **SC: III.**



**2000: CHANDRASEKHAR, Jayaraman** (*b* 1952) PhD, Sp: Computational Chemistry, Drug Discovery, Theoretical Organic Chemistry; FASc, *Gilead Sciences, 199 E Blaine St, Seattle, WA 98102, USA*; 17203 NE 115th Ct, Redmond, WA 98052, USA [Tel (206) 454-7105 (O), (425) 298-0560 (R); Email [jayaraman.chandrasekhar@gilead.com](mailto:jayaraman.chandrasekhar@gilead.com)]; **SC: III.**



**2015: CHANDRASEKHAR, Srivari** (*b* 1964), PhD, Sp: Organic Chemistry (Chemical Sciences); FASc, FNASc, Director, *CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad 500007*; Director Bungalow, CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad 500007 [Tel (040) 2719-3030/3210 (O), 2742-3675 (R), 98-480-35908 (M); Fax 2716-0512; Email [srivaric@iict.res.in](mailto:srivaric@iict.res.in)]; **Medal:** INSA Young Scientist (1996), Golden Jubilee Commemoration (Chem Sc) (2019); **Council:** Mem 2022-; **SC: III.**



**2008: CHANDRASEKHAR, Vadapalli** (*b* 1958), PhD, Sp: Inorganic Chemistry; FASc, FNASc, FTWAS, Centre Director, *Tata Institute of Fundamental Research Hyderabad, Gopanpally, Hyderabad 500107* [Tel (040) 2020-3100/2020-3101 (O), 94-151-32221 (M); Email [vc@tifrh.res.in](mailto:vc@tifrh.res.in)]; **Medal:** INSA Young Scientist (1989), Golden Jubilee Commemoration (Chem Sc) (2013), Professor Mihir Chowdhury Memorial (2019); **Council:** VP 2019-21; **SC: III.**





**2003: CHANDRASHEKAR, Tavarekere K** (b 1956), PhD, Sp: Inorganic Chemistry of Biomolecules; FASc, FNASc, FTWAS, Distinguished Professor, *Department of Chemistry, IIT Kanpur, Kalyanpuri, Kanpur, Uttar Pradesh 208016*; formerly Senior Professor, *School of Chemical Sciences, National Institute of Science Education and Research, Bhubaneswar, PO Jatni, Kburda 752050, Odisha* [Tel 98-188-44936 (M); Email tkc@niser.ac.in]; **Council:** Mem 2009-11; **SC: III.**



**2013: CHAPLOT, Samrath Lal** (b 1955), PhD, Sp: Condensed Matter Physics; FNASc, INSA Senior Scientist, formerly Distinguished Scientist and Director, *Physics Group, Bhabha Atomic Research Centre, Trombay, Mumbai 400085*; Flat 904, Sai Ansh CHS Ltd, Plot 7, Sector 11, Sanpada, Navi Mumbai 400705 [Tel (022) 2775-9768 (R); Fax 2551-9613; Email chaplot@barc.gov.in, chaplot1974@gmail.com]; **SC: II.**



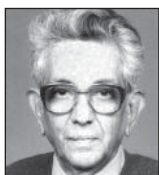
**2012: CHARY, Kandala Venkata Ramana** (b 1954), PhD, Sp: Molecular Biophysics, Structural Biology and NMR Spectroscopy; FNASc, FTWAS, JC Bose National Fellow, Director, *Indian Institute of Science Education and Research Berhampur, Transit Campus, Government I.T.I., Berhampur, Engineering School Junction, NH-59, Berhampur 760010 (Ganjam), Odisha* [Tel (0680) 222-7701 (O), 99-872-60959 (M); Fax 222-7704; Email chary@tifr.res.in]; **Medal:** INSA Young Scientist (1986), AK Bose Memorial (1989); **Lecture:** Professor RK Asundi Memorial (2006); **SC: VIII.**



**2008: CHAT TARA J, Pratim Kumar** (b 1958), PhD, Sp: Theoretical Chemistry, Nonlinear Dynamics; FASc, FNASc, FTWAS, FRSC, JC Bose National Fellow, Institute Chair Professor and Professor, *Department of Chemistry, Indian Institute of Technology, Kharagpur 721302*; Distinguished Visiting Professor, Department of Chemistry, Indian Institute of Technology Bombay, Powai 400076; Qrs No A-46, IIT Kharagpur 721302 [Tel (03222) 283-304 (O), 283-305, 278-156 (R); Email pkc@chem.iitkgp.ac.in; Web <http://www.chemistry.iitkgp.ac.in/faculty/PKC/web/>]; **Medal:** INSA Young Scientist (1990); **Lecture:** Professor Sadhan Basu Memorial (2020); **SC: III.**



**2020: CHATTERJEE, Mitali** (b 1960), MBBS, MD, PhD, Sp: Immunopharmacology, Leishmania Biology; FAMS, FASc, FNASc, FRCP, Professor, *Department of Pharmacology, Institute of Post-Graduate Medical Education and Research, 224B, Acharya JC Bose Road, Kolkata 700020*; 57/11B, Ballygunge Circular Road, Kolkata 700019 [Tel (033) 2204-1428 (O), 2454-4567 (R), 98-300-31523 (M); Fax 2223-4135; Email ilatimc@gmail.com]; **SC: IX.**



**1986: CHATTERJEE, Smriti Narayan** (b 1932), PhD, Sp: Biophysics, Microbiology, Molecular and Genetic Toxicology, Free Radicals Biology; FNASc, FAMS, formerly Senior Professor of Biophysics & Director, SINP, Kolkata; *Block CF-69, Sector-I, Bidhannagar, Kolkata 700064* [Tel (033) 2334-6117/6118 (R), 98-311-80440 (M); Email sncac.08@gmail.com]; **Lecture:** Professor SN De Memorial (1996); INSA Senior Scientist (1992-97); **SC: VIII.**



**2021: CHATTERJEE Subhadeep** (b 1975), PhD, Sp: Molecular microbiology, Quorum sensing, Plant-Microbe Interaction; Staff Scientist VI (Group leader), *Centre for DNA Fingerprinting and Diagnostics (CDFD), Inner ring road, Uppal, Hyderabad 500039, Telangana*; B5, Flat no 102 Indu Aranya Pallavi, GSI Post, Bandlaguda, Hyderabad 500068 [Tel (040) 27216108 (O), 94-90794946 (M), Fax 27216006; Email subhadeep@cdfd.org.in, xoohyd@gmail.com]; **SC: VII.**

**1997: CHATTERJI, Dipankar** (b 1951), PhD, DSc (*bc*), Sp: Biophysical Chemistry, Molecular Biology & Nanobiology; FASc, FNASc, FTWAS, JC Bose National Fellow, Honorary Professor, *Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560012*; Honorary Professor, JNCASR, Bengaluru [Tel (080) 2360-0137, 2293-2836 (O), 2539-2055 (R), 98-454-04962 (M); Fax 2360-0535, 2360-0683; Email dipankar@iisc.ac.in]; **Lecture:** BC Guha Memorial (2002); **Council:** Mem 2002-04; **SC: VIII.**



**2006: CHATTOPADHYAY, Amitabha** (b 1956), PhD, Sp: Membrane/G Protein-coupled Receptor Biophysics & Biology, Fluorescence Spectroscopy & Microscopy; FASc, FNASc, FRSC, FTWAS, SERB Distinguished Fellow, *CSIR-Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500007*; Distinguished Visiting Professor, Indian Institute of Technology Bombay, Mumbai; Adjunct Professor, Tata Institute of Fundamental Research, Mumbai; Swinburne University of Technology, Hawthorn (Victoria), Australia; Honorary Faculty Member, JNCASR, Bengaluru [Tel (040) 2719-2578, 2716-0059 (O), 2701-5197 (R); Fax 2716-0311, 2716-0591; Email amit@ccmb.res.in, amit.gpcr@gmail.com; Web <http://e-portal.ccmb.res.in/e-space/amit/Pages/Index.html>]; **Medal:** Professor GN Ramachandran 60th Birthday Commemoration (2015); **Lecture:** BC Guha Memorial (2008); **Council:** Mem 2020-; **SC: VIII.**



**2020: CHATTOPADHYAY, Arun** (b 1964), PhD, Sp: Chemical Physics; FASc, Professor, *Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati 781039*; F-02, Indian Institute of Technology Guwahati, Guwahati 781039 [Tel (0361) 258-2304 (O), 258-4304 (R), 99-540-06897 (M); Fax 258-2349; Email arun@iitg.ac.in]; **SC: III.**



**2018: CHATTOPADHYAY, Debasis** (b 1967), PhD, Sp: Plant Biology, Plant Genomics; FNASc, FASc, J.C. Bose National Fellow, Staff Scientist VII, *National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110067*; H-VB(D1)-001, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110067 [Tel (011) 2673-5189 (O), 2673-5148 (R), 98-682-40645 (M); Fax 2674-1658; Email debasis@nipgr.ac.in]; **SC: VII.**



**1996: CHATTOPADHYAY, Kamanio** (b 1950), BE, MSc (Engg), PhD, Sp: Physical Metallurgy and Materials Engineering; FASc, FNASc, FNAE, Emeritus Professor and SERB Distinguished Fellow, *Department of Materials Engineering and Interdisciplinary Centre for Energy Research, Indian Institute of Science, Bengaluru 560012*; Flat 410-411, Block-III, RMV Cluster, Phase II, 10/11 A, LT Halli, Devinagar Extn., Bengaluru 560094 [Tel (080) 2293-2262 (O), 98-459-49940 (M); Fax 2360-0472; Email kamanio@iisc.ac.in]; **Medal:** INSA Young Scientist (1979); **SC: V.**



**2013: CHATTOPADHYAY, Samit** (b 1959), PhD, Sp: Gene Regulation, Cancer Biology and Immunology; FASc, FNASc, FTWAS, JC Bose National Fellow, Director, *CSIR-Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700032*; B2-10, Harmony Society, Nagras Road, Aundh, Pune 411007 [Tel (033) 2473-5368, 2413-1157 (O), (020) 2589-6121 (R), 98-234-09155 (M); Fax (033) 2473-5197; Email director@iicb.res.in, samit@iicb.res.in; Web <http://www.iicb.res.in>]; **SC: IX.**





**2009: CHATTOPADHYAY, Sudip** (b1960), PhD, Sp: Plant Sciences (Developmental Biology); FASc, FNASc, Professor, *Department of Biotechnology, National Institute of Technology, Mahatma Gandhi Avenue, Durgapur 713209, West Bengal*; House No. 73, Shilpakanan, Sector 2A, Bidhannagar, Durgapur 713206, West Bengal [Tel 94-347-88029 (M); Email [sudipchatto@gmail.com](mailto:sudipchatto@gmail.com), [sudip.chattopadhyay@bt.nitdgp.ac.in](mailto:sudip.chattopadhyay@bt.nitdgp.ac.in); Web [http://www.nitdgp.ac.in/bt/s\\_chattopadhyay/s\\_chattopadhyay.php](http://www.nitdgp.ac.in/bt/s_chattopadhyay/s_chattopadhyay.php)]; **SC: VII.**



**1989: CHATTORAJ, Dipti Kumar** (b 1930), PhD, DSc, Sp: Surface Chemistry, Biophysical Chemistry; INSA Emeritus Scientist, formerly Professor & Head, *Department of Food Technology and Biochemical Engineering, Jadavpur University, Kolkata 700032*; EC 258, Sector 1, Salt Lake, Kolkata 700064 [Telefax (033) 2414-6822, 2414-6233 (O), 2337-5420 (R); Email [dkchattoraj@gmail.com](mailto:dkchattoraj@gmail.com)]; INSA Senior Scientist (1995-99), INSA Honorary Scientist (2001-04) (2006-15); **SC: III.**



**1987: CHATURVEDI, Umesh Chandra** (b 1939), MD, MRCPATH, FRCPath (Lond), Sp: Medical Microbiology, Virology, Immunology; FASc, FNASc, FAMS, formerly Professor and Head, Department of Microbiology, KG Medical College, Lucknow; Scientific Consultant, ICMR, Department of Health Research; Chairman, Bharat Immunologicals and Biologicals Corp Ltd; CSIR Emeritus Scientist, ITRC, Lucknow; *201, Annapurna Apts, 1, Bishop Rokey Street, Faizabad Road, Lucknow 226007* [Tel (0522) 402-6202 (R), 94-509-13506 (M); Email [uchaturvedi201@gmail.com](mailto:uchaturvedi201@gmail.com)]; **Lecture: Dr TS Tirumurti Memorial (2007); INSA Honorary Scientist (2008); SC: IX.**



**2005: CHAUDHARI, Raghunath Vitthal** (b 1948), PhD, Sp: Homogeneous & Heterogeneous Catalysis, Reaction Engineering, Multiphase Reactors, Biomass Conversion to Chemicals and Fuels; FASc, FNAE, Deane E. Ackers Distinguished Professor, *Chemical & Petroleum Engineering Department, Center for Environmentally Beneficial Catalysis, The University of Kansas, 1501 Wakarusa Drive, Room 112B, Lawrence, KS 66047-1803, USA*; 6109, Palisades Drive, Lawrence 66049, USA [Tel 1-785-864-1634 (O), 1-785-218-0036 (R), Fax 1-785-864-6051; Email [rvc1948@ku.edu](mailto:rvc1948@ku.edu); Web <http://www.cebc.ku.edu>]; **SC: V.**



**2007: CHAUDHURI, Bidyut Baran** (b 1950), PhD, Sp: Computer Science and Engineering; FNASc, FNAE, FIEEEE, FTWAS, Pro Vice-Chancellor, *Techno India University, EM 4, Sector V, Salt Lake, Kolkata 700091*; 87/29, A K Mukherjee Road, Kolkata 700090 [Tel 90-383-29290 (M); Email [bidyutbaran chaudhuri@gmail.com](mailto:bidyutbaran chaudhuri@gmail.com), [bbcisical@gmail.com](mailto:bbcisical@gmail.com)]; **SC: V.**



**1991: CHAUDHURI, Mihir Kanti** (b 1947), PhD, Dr rer nat, DSc (bc), Sp: Inorganic Chemistry; FASc, Advisor, Education [MoS], Govt. of Assam, *Janata Bhawan, Room No. B 118, Dispur, Guwahati 781006* [Telefax (0361) 223-7241, 99-544-49454 (M); Email [mkc@tezu.ernet.in](mailto:mkc@tezu.ernet.in)]; **Council: VP 2013-15; SC: III.**

**2009: CHAUDHURI, Probal** (b 1963), PhD, Sp: Statistics; FASc, FNASc, Professor, *Theoretical Statistics and Mathematics Unit, Indian Statistical Institute, 203, Barrackpore Trunk Road, Kolkata 700108*; 8-Ramlal Agarwalla Lane, Kolkata 700050 [Tel (033) 2575-3414 (O), 98-317-89429 (M); Email [probal@isical.ac.in](mailto:probal@isical.ac.in)]; **SC: I.**



**2012: CHAUDHURI, Subhasis** (b 1963), PhD, Sp: Computer Vision, Image Processing, Machine Learning and Haptics; FASc, FNASc, FNAE, FIEEE, Director, *Indian Institute of Technology Bombay, Powai, Mumbai 400076*; Qtr No B-130, IIT Bombay, Powai, Mumbai 400076 [Tel (022) 2576-7437 (O), 2576-8437 (R), 98-206-05354 (M); Fax 2572-3707; Email [sc@ee.iitb.ac.in](mailto:sc@ee.iitb.ac.in)]; **Council: Mem 2016-18, Ad Mem 2020; SC: V.**



**2022: CHAUHAN, Manmohan Singh** (b 1960), PhD, Sp: Animal Reproduction Assisted Reproduction Technology, IVF, Stem Cell Culture, Animal Cloning and Transgenesis; FNAAS, Director, *ICAR- National Dairy Research Institute (NDRI), Karnal 132001, Haryana*; Director's Residence, ICAR-National Dairy Research Institute (NDRI Campus), Karnal 132001, Haryana [Tel (0184) 225-2800 (O), 87-082-05144 (R), 99-916-52455 (M); Email [chauhanabtc@gmail.com](mailto:chauhanabtc@gmail.com)]; **SC: X.**



**1999: CHAUHAN, Virander Singh** (b 1950) DPhil, Sp: Peptides as Self Organizing System and a Drug Delivery Platforms, Malaria Immunology, Subunit Vaccine and Malaria Drug Development; FASc, FNASc, FTWAS, Member UGC and Chairman NAAC; Malaria Group, *International Centre for Genetic Engineering & Biotechnology, Aruna Asaf Ali Marg, New Delhi 110067*; B-23, Geetanjali Enclave, New Delhi [Tel (011) 2674-2317 (O), 2669-3040 (R), 98-112-92058 (M); Fax 2674-2316; Email [virander@icgeb.res.in](mailto:virander@icgeb.res.in), [viranderschauhan@gmail.com](mailto:viranderschauhan@gmail.com); Web <http://www.icgeb.org>]; **Lecture: J.L. Nehru Birth Centenary (2006); Council: Mem 2015-17; SC: VIII.**



**2020: CHAWLA-SARKAR, Mamta** (b 1970), PhD, Sp: Molecular Virology; FNASc, Scientist-F, *Division of Virology, ICMR-National Institute of Cholera and Enteric Diseases (ICMR-NICED), P33 CIT Road, Scheme XM, Beliaghata, Kolkata 700010*; T-19, Panchasayar, Kolkata 700094 [Tel (033) 2353-7470 (O), 98-305-59871 (R), 98-306-60999 (M); Fax 2363-2398; Email [chawlam70@gmail.com](mailto:chawlam70@gmail.com), [chawlasarkar.m@icmr.gov.in](mailto:chawlasarkar.m@icmr.gov.in)]; **SC: IX.**



**2019: CHENGALUR, Jayaram Narayanan** (b 1965), PhD, Sp: Astronomy; FASc, FNASc, Distinguished Professor, *NCRA-TIFR, Pune University Campus, Ganeshkhind, Pune 411007*; E3, NCRA Housing Colony, Pune University Campus, Ganeshkhind, Pune 411007 [Tel (020) 2571-9248 (O), 83-900-04429 (M); Fax 2569-7257; Email [chengalur@ncra.tifr.res.in](mailto:chengalur@ncra.tifr.res.in)]; **SC: II.**



**2014: CHHABRA, Rajendra Prasad** (b 1953), PhD, Sp: Chemical Engineering; FASc, FNASc, FNAE, JC Bose National Fellow, Professor, *Department of Chemical Engineering, Indian Institute of Technology, Ropar 140001*; Quarter # 3, Transit Campus-I, IIT Ropar, Nangal Road, Rup Nagar 140001 [Tel (01881) 242-212 (O), 98-397-41317 (M); Email [chhabra@iitrpr.ac.in](mailto:chhabra@iitrpr.ac.in)]; **SC: V.**





**1978: CHIDAMBARAM, Rajagopala** (*b* 1936), PhD, DSc (IISc), DSc (*hc*), Sp: Materials Science and Crystallography, High Pressure Physics and Nuclear Technology; FASc, FNASc, FNAE, FTWAS, DAE Homi Bhabha Professor, *Bhabha Atomic Research Centre, Trombay, Mumbai 400085*; 405/406 Apollo, Raheja Acropolis I, Mahalaxmi Temple Road, Deonar, Mumbai 400088 [Tel (022) 2550-5305 (O), 2556-1315 (R); Fax (022) 2550-5132; Email rc@barc.gov.in, rajachid@gov.in]; **Medal:** Meghnad Saha (2002), CV Raman (2013); **Visiting Fellowship:** JL Nehru Birth Centenary (1992); **Council:** Mem 1988-90; **SC: II.**



**2015: CHITNIS, Chetan Eknath** (*b* 1961), PhD, Sp: Molecular Parasitology; FASc, Head, *Malaria Parasite Biology and Vaccines Unit, Department of Parasites and Insect Vectors, Institut Pasteur, 28 Rue du Dr. Roux, Paris 75015*; 12 Rue Raffet, Paris 75016 [Tel (+33) (1) 4438-9428 (O), 4288-6350 (R), (+33) 7 87 85 6133 (M); Email chetan.chitnis@pasteur.fr]; **SC: IX.**



**2013: CHOCKALINGAM, Ananthanarayanan** (*b* 1962), PhD, Sp: Electrical Engineering (Communications); FASc, FNASc, FNAE, FIETE, Professor, *Department of Electrical Communication Engineering, Indian Institute of Science, Bengaluru 560012*; 29 AECS, 2nd Stage Layout, 2nd Main, Nagasettiahalli, Bengaluru 560094 [Tel (080) 2293-3156 (O), 89-714-74971 (M); Fax 2360-0563; Email achockal@iisc.ac.in; Web <http://ece.iisc.ac.in/~achockal>, <http://ece.iisc.ac.in/~wrl>]; **SC: V.**



**2004: CHOKSHI, Atul Harish** (*b* 1958), PhD, Sp: Metallurgy and Materials Science; FASc, FNASc, FNAE, Professor, *Department of Materials Engineering, Indian Institute of Science, Bengaluru 560012*; NE 01, IISc Campus, Bengaluru 560012 [Tel (080) 2293-2684 (O); Fax 2360-0472, 2360-0683; Email achokshi@iisc.ac.in]; **SC: V.**



**2004: CHOUDARY, Boyapati Manoranjan** (*b* 1946), PhD, Sp: Catalysts, Nano-Materials and Pharmaceuticals; FASc, Consultant for Chemical and Pharmaceutical Solutions, *Plot no. 154, New MLA & MPs' Colony, Road No. 10C, Jubilee Hills, Hyderabad 500033* [Tel 91-009-91400 (M); Email bmchoudary@gmail.com]; **SC: III.**



**2003: CHOUDHARY, Vasant Ramchandra** (*b* 1944), PhD, Sp: Catalysis and Chemical Reaction Engineering; FASc, FNASc, NASI-Senior Scientist, Chemical Engineering Division, CSIR-National Chemical Laboratory, Pune 411008; *"VASANTASHA" (behind Hotel Seasons), 1-Green Park, Off D.P. Road, Near New Petrol Pump, Aundh, Pune 411007* [Tel 92-251-06141 (M); Email vrc0001@yahoo.co.in]; **SC: V.**



**2011: CHOUDHURI, Arnab Rai** (*b* 1956), PhD, Sp: Theoretical Astrophysics, Solar Physics, Magnetohydrodynamics, History of Science; FASc, FNASc, FTWAS, Professor, *Department of Physics, Indian Institute of Science, Bengaluru 560012*; DQ-5, New Housing Colony, IISc Campus, Bengaluru 560012 [Tel (080) 2360-3481 (O), 2360-3664 (R); Fax 2360-2602; Email arnab@iisc.ac.in]; **SC: II.**



**2014: CHOUDHURY, Debajyoti** (*b* 1964), PhD, Sp: Theoretical High Energy Physics; FASc, FNASc, Professor, Department of Physics and Astrophysics, University of Delhi, New Delhi 110007; *87 Mandakini Enclave, Kalkaji, New Delhi 110019* [Tel, 92-132-11830 (M); Email debchou.physics@gmail.com, debchou@physcis.du.ac.in, debajyoti.choudhury@gmail.com]; **SC: II.**

**2015: CHOWDHURY, Abhijit** (b 1959), MD, DM, Sp: Health Sciences: Hepatology; FNASc, Professor & Head, *Department of Hepatology, School of Digestive and Liver Diseases, Institute of Post Graduate Medical Education & Research/ SSKM Hospitals, Ronald Ross Buildings, R No. 13, 244, AJC Bose Road, Kolkata 700020*; CC 502, Ashabari Housing Complex, Baishanab Ghata Patuli Township, Kolkata 700094 [Tel (033) 2204-1323 (O), 2462-5359 (R), 94-330-45435 (M); Fax 2223-6383; Email achowdhury2002@yahoo.co.in]; **SC: IX.**



**2011: CHOWDHURY, Debashish** (b 1957), PhD, Sp: Statistical Physics, Biological Physics; FASc, FNASc, JC Bose National Fellow, Professor, *Department of Physics, Indian Institute of Technology, Kanpur 208016*; House No. 407, IIT Campus, Kanpur 208016 [Tel (0512) 259-7039 (O), 259-8465 (R); Fax 259-0914; Email debch@iitk.ac.in, debchg@gmail.com; Web <http://home.iitk.ac.in/~debch/index.html>]; **Medal:** INSA Young Scientist (1989); **Council:** Mem 2020-; **SC: II.**



**1986: COWSIK, Ramanath** (b 1940), PhD, Sp: Astrophysics, Elementary Particles, Cosmology and Gravitation; FASc, FNASc, FTWAS, Foreign Assoc US NAS, James S. McDonnell Professor of Space Sciences, Physics Department and Emeritus Director, *McDonnell Centre for the Space Sciences, Washington University in St. Louis, One Brookings Drive, Campus Box 1105, St Louis, MO 63130, USA*; Distinguished Professor (ret'd), TIFR [Tel (001-314) 935-4493 (O), 727-5959 (R); Fax (001-314) 935-4134; Email cowsik@physics.wustl.edu]; **Medal:** INSA-Vainu Bappu Memorial (1997), Shanti Swarup Bhatnagar Award in Physical Sciences (1984), Padma Shri (2002), O'Ceallaigh Medal, IUPAP C4 (2009); **Lecture:** JL Nehru Birth Centenary (2002); **Council:** Mem 1994-96; **SC: II.**



**2018: DAMLE, Kedar** (b 1970), PhD, Sp: Condensed Matter and Statistical Physics; FASc, Senior Professor, Department of Theoretical Physics, *Tata Institute of Fundamental Research, 1, Homi Bhabha Road, Colaba, Mumbai 400005*; C145, IIT Bombay, Powai, Mumbai 400005 [Tel (022) 2278-2213 (O); Fax 2278-4611; Email kedar@theory.tifr.res.in]; **SC: II.**



**1990: DANI, Shrikrishna Gopalrao** (b 1947), PhD, Sp: Ergodic Theory, Lie Groups, Probability Measures on Groups, History of Mathematics; FASc, FNASc, FTWAS, Distinguished Professor, *Centre for Excellence in Basic Sciences, University of Mumbai, Kalina, Mumbai 400098* [Tel (022) 2653-2138 (O), 97-572-82263 (M); Email shrigodani@cbs.ac.in, shrigodani@gmail.com]; **Medal:** INSA Young Scientist (1976), Srinivasa Ramanujan (2010); **Council:** Mem 2006-08; **SC: I.**



**2019: DAS, Amita** (b 1965), PhD, Sp: Physics; FASc, FNASc, Professor, *Department of Physics, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016* [Tel 98-795-65174 (M); Email amitadas3@yahoo.com]; **SC: II.**





**2017: DAS, Amitava** (b 1959), PhD, Sp: Chemistry; FASc, FNASc, FRSC, JC Bose National Fellow, Professor, Department of Chemical Sciences and Dean, Research and Development; Indian Institute of Science Education and Research Kolkata, Mohanpur 741246, West Bengal; formerly Director, *CSIR-Central Salt & Marine Chemicals Research Institute, Bhavnagar* [Tel (033) 6136-0000 (O), 82-752-25356, 94-280-51283 (M); Fax 2334-7425; Email amitava@iiserkol.ac.in, a.das@csmcri.res.in, das.amitava1@gmail.com]; **SC: III.**



**2005: DAS, Bhudev Chandra** (b 1948), PhD, Sp: Molecular Cancer & Stem Cell Biology, Tumor Virology and Human Molecular Genetics; FASc, FNASc, FAMS, JC Bose National Fellow, Chairman and Hargobind Khorana Chair Professor, *Amity Institute of Molecular Medicine & Stem Cell Research (AIMMSCR)* and Dean, *Health & Allied Sciences, Amity University, Sector-125, Noida 201313*; formerly Director, ACBR, University of Delhi and Founder Director, ICPO (ICMR), Noida 201301; 'ANUBHAV', A-10, Sector 56, Noida 201301 [Tel (0120) 458-6855 (O), 427-5392 (R), 98-105-66870, 98-105-37835 (M); Fax 439-2114; Email bcdas@amity.edu, bcdas48@hotmail.com; Web <http://www.amity.edu>]; **SC: IX.**



**1991: DAS, Hirendra Kumar** (b 1933), MSc Tech, PhD, DSc, Sp: Biochemistry, Molecular Biology & Recombinant DNA Technology; INSA Emeritus Scientist, formerly Professor and Chairperson, Centre for Biotechnology and formerly Director, Genetic Engg Unit, JNU, New Delhi; *B-9/6324, Vasant Kunj, New Delhi 110070* [Tel (011) 2689-5424 (R); Email hirendas@hotmail.com]; INSA Honorary Scientist (2010-15); **SC: VIII.**



**2007: DAS, Pijush Kanti** (b 1952), PhD, Sp: Biochemistry, Cell Biology, Molecular Parasitology; FASc, FNASc, INSA Senior Scientist, *CSIR-Indian Institute of Chemical Biology, 4 Raja SC Mullick Road, Jadavpur, Kolkata 700032* and Adjunct Professor, *Department of Biophysics, Molecular Biology and Bioinformatics, Calcutta University, Kolkata 700009*; 35 Justice Chandra Madhab Road, Kolkata 700020 [Tel (033) 2473-3491 (O), 4003-6221 (R); Email pijush52@gmail.com, pijushdas@iicb.res.in]; **Medal:** JC Bose (2013); **Lecture:** Professor Vishwa Nath Memorial (2012); **SC: VIII.**



**2014: DAS, Pradeep** (b 1956), PhD, Sp: Medical Biotechnology and Molecular Parasitology; FNASc, FAMS, JC Bose National Fellow, ICMR-Emeritus Scientist, *ICMR-NICED, Kolkata, CIT Road-Scheme XM, Beliaghata Kolkata 700010*, Former Director, *Rajendra Memorial Research Institute of Medical Sciences, Agam Kuan, Patna 800007* & Project Director, *NIPER, Hajipur* [Tel (033) 235-37469 (O), 94-310-12380 (M); Fax 91-33-2363, 2370-5066; Email drpradeep.das@gmail.com]; **SC: IX.**



**2001: DAS, Premananda** (b 1942), PhD, DSc, DSc (hc), Sp: Biotechnology of Woody Plants & Horticultural Crops; FNASc, FNAAS, Chairman & Director, *The Science Foundation for Tribal and Rural Resource Development, C-122 (HIG), State Housing Board Colony, Baramunda, Bhubaneswar 751003* [Tel (0674) 235-5505 (O), 235-5970 (R), 94-370-07970 (M); Email profpdas@gmail.com, profpdas@sftrrd.org, sftrrd@gmail.com; Web [www.profpremanandadas.in](http://www.profpremanandadas.in), [www.sftrrd.org](http://www.sftrrd.org)]; **SC: X.**

**2009: DAS, Sampa** (*b* 1951), PhD, Sp: Plant Molecular Biology, Plant Biotechnology; INSA Senior Scientist, *Division of Plant Biology, Bose Institute, P-1/12, CIT Scheme, VII (M), Kolkata 700054*; A13 Cluster 14, Purbachal Housing Estate, Salt Lake, Kolkata 700097 [Tel (033) 2569-3251 (O), 2335-9393 (R); Fax 2335-3886; Email sampa@jbose.ac.in, sampadpb@gmail.com]; **SC: VII.**



**2012: DAS, Saumitra** (*b* 1962), PhD, Sp: Molecular Virology and Molecular Biology; FASc, FNASc, Professor, *Department of Microbiology and Cell Biology, Indian Institute of Science, Bengaluru 560012*; NE 301, New Housing Colony, Indian Institute of Science, Bengaluru 560012 [Tel (080) 2293-2886 (O), 94-484-79632 (M); Fax 2360-2697; Email sdas@iisc.ac.in]; **Lecture:** Dr MR Das Memorial (2011); **SC: VIII.**



**2017: DAS, Shankar Prasad** (*b* 1959), PhD, Sp: Theoretical Condensed Matter Physics, Statistical Physics; FASc, FNASc, JC Bose National Fellow, Professor of Physics, *School of Physical Sciences, Jawaharlal Nehru University, New Delhi 110067*; 6229, Sector B, Pocket 9, Vasant Kunj, New Delhi 110070 [Tel (011) 2673-8768 (O), 98-996-74943 (M); Fax 2674-2580; Email shankar@jnu.ac.in, spd@uchicago.edu; Web https://www.jnu.ac.in/Faculty/shankar]; **SC: II.**



**2011: DAS, Suresh** (*b* 1955), PhD, Sp: Photochemistry, Photophysics, Liquid Crystals, Organic Functional Materials, Photoresponsive Materials, NIR Absorbing Dyes, Dye Sensitized Solar Cells; FASc, *CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram 695019* [Tel (0471) 249-0324, 251-5226 (O), 254-4309 (R); Fax 249-1712; Email sureshdas@niist.res.in, sureshdas55@gmail.com]; **SC: III.**



**1985: DASANNACHARYA, Balebail Anantha** (*b* 1937), PhD, Sp: Condensed Matter Physics, Neutron and X-ray Scattering; FASc, formerly Director, Inter-University Consortium for DAE Facilities, Indore and Director, Solid State & Spectroscopy Group and Multi Disciplinary Technology Group, BARC, Mumbai; *Flat 4, Beach Resort Cooperative Housing Society, Plot 1, Sector 10A, Vasbi, Navi Mumbai 400703* [Tel (022) 2766-3957 (R), 98-690-24550 (M); Email adasannacharya@gmail.com]; **Medal:** HJ Bhabha (1999); **Council:** Mem 2000-02; **SC: II.**



**2003: DASGUPTA, Chanchal Kumar** (*b* 1945), PhD, Sp: Biochemistry and Biophysics; FASc, FNASc, *EE-72/2, Salt Lake, Kolkata 700091* [Tel 90-078-89857 (M); Email chanchaldg2000@yahoo.com]; INSA Senior Scientist (2013-15); **Council:** Ad Mem 2005-13; **SC: VIII.**



**2000: DASGUPTA, Chandan** (*b* 1951), PhD, Sp: Theoretical Condensed Matter Physics and Statistical Mechanics; FASc, FNASc, FTWAS, Honorary Professor, *Department of Physics, Indian Institute of Science, Bengaluru 560012*; Flat No.7, 55/1, 4th Main Road, Malleswaram, Bengaluru 560055 [Tel (080) 2360-3924 (O), 2334-5417 (R); Fax 2360-2602, 2360-0683; Email cdgupta@iisc.ac.in]; **Medal:** SN Bose (2018); **SC: II.**





**2014: DASGUPTA, Indranil** (b 1958), PhD, Sp: Plant Viruses and Plant-Virus Interactions; FASc, FNASc, JC Bose National Fellow, Professor, *Department of Plant Molecular Biology, University of Delhi, South Campus, Benito Juarez Road, New Delhi 110021*; A-401, Prabha Apartments, Sector-23, Plot-11, Dwarka, New Delhi 110077 [Tel (011) 2411-1639, 2411-6113 (O), 4277-8520 (R), 99-103-34110 (M); Fax 2411-5270; Email indranil58@yahoo.co.in]; **SC: X.**



**2019: DASGUPTA, Maitrayee** (b 1959), PhD, Sp: Symbiotic Nitrogen Fixation; FNASc, FASc, Professor, *Department of Biochemistry, Calcutta University, Ballygunge Science College, 35 Ballygunge Circular Road, Kolkata 700019*; Tower 3, 10/2, Ruchira Residency, 369 Purbachal, Kalitala Main Road, Kolkata 700078 [Tel (033) 2461-4714 (O), 2484-3966 (R), 98-307-76131 (M); Fax 2461-4849; Email maitrayee\_d@hotmail.com]; **SC: VII.**



**1999: DASGUPTA, Somnath** (b 1951) PhD, Sp: Metamorphic Petrology, Geochemistry, Precambrian Geology; FASc, FNASc, FTWAS, INSA Senior Scientist, Indian Statistical Institute, Kolkata; Westwind Block 4, Flat 3B, 78, Raja S.C. Mullick Road, Kolkata 700084 [Tel (033) 2423-8057 (R), 98-311-67145 (M); Email somnathdasg@gmail.com]; **Award:** INSA Teachers Award (2014); **Medal:** DN Wadia (2018); **Council:** Mem 2009-11; **SC: IV.**



**2013: DASH, Debabrata** (b 1958), MBBS, MD, PhD, DSc, Sp: Biochemistry, Thrombus/Platelet Biology, Translational Nanomedicine; FASc, FNASc, FAMS, JC Bose National Fellow, Tata Innovation Fellow, Professor and Head, *Department of Biochemistry, Institute of Medical Sciences, Banaras Hindu University, Varanasi 221005*; 19, Old Medical Enclave, Banaras Hindu University, Varanasi 221005 [Tel (0542) 236-9300, 298-5806 (R), 93-369-10665, 96-709-57414 (M); Fax 236-7568; Email ddash.biochem@gmail.com]; **Lecture:** Dr Y SubbaRow Memorial (2020); **SC: IX.**



**1979: DASS, Chunchinkatte Melkote Srinivas** (b 1926), PhD (Mysore & Wisconsin), Sp: Cell Biology-Cellular Ultrastructure & Function, Silk Worm Pathology; formerly Professor & Head, Department of Zoology, University of Delhi, Delhi; *122/23 VII B Main Road, 4th Block, Jayanagar Extn., Bengaluru 560011* [Tel (0812) 2653-3014 (R), 99-003-29588 (M); Email chunchinkatte@gmail.com]; **Medal:** SL Hora (1990); **SC: VII.**



**2005: DATTA, Alok Kumar** (b 1946), PhD, Sp: Enzymology, Molecular Biology, Parasitology; FASc, *CSIR-Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700032*; formerly Director Grade Scientist and Head, Division of Structural Biology & Bioinformatics; Calcutta Greens (HIG-A 4/7/28), 1050/2, Survey Park, Santoshpur, Kolkata 700075 [Tel (033) 2499-5734 (O), 2416-2995 (R), 98-360-12725 (M); Email mail\_alokd@yahoo.co.in]; INSA Senior Scientist (2012-15); **SC: VIII.**



**2004: DATTA, Amitava** (b 1948), PhD, Sp: Particle Physics; Department of Physics, University of Calcutta, 92 APC Rd, Kolkata 700009; *34 B, Raja Ram Mohan Sarani, Kolkata 700009* [Tel (033) 2350-8386 Ext 407 (O), 2350-2365 (R), 93-310-83440 (M); Email adatta\_ju@yahoo.co.in]; INSA Senior Scientist (2013-16, 2018-19); **SC: II.**

**1988: DATTA, Asis** (b 1944), PhD, DSc, Sp: Biochemistry, Molecular Biology & Genetic Engineering; FASc, FNASc, FTWAS, Distinguished Scientist, National Institute of Plant Genome Research (NIPGR), New Delhi 110067; formerly Founder Director and Professor of Eminence, NIPGR and VC, JNU, New Delhi; *House No. 182, The National Media Centre, Shankar Chowk, Gurugram 122001, Haryana* [Tel (011) 2674-2750, 2673-5119 (O); Fax 2674-1759, 2674-1658; Email [asis\\_datta@nipgr.ac.in](mailto:asis_datta@nipgr.ac.in), [asis\\_datta@rediffmail.com](mailto:asis_datta@rediffmail.com), [asisdatta@hotmail.com](mailto:asisdatta@hotmail.com)]; **Lecture:** Dr Nitya Anand Endowment (1993), JL Nehru Birth Centenary (1999), BN Chopra (2004); **Council:** Ad Mem 1997; Mem 2002-04; **SC: VIII.**



**1994: DATTA, Kasturi** (b 1943), PhD, Sp: Biotechnology, Molecular & Cell Biology; FASc, FNASc, FTWAS, DBT-Distinguished Biotechnology Professor, School of Environmental Sciences & Adjunct Professor Special Centre for Molecular Medicine; formerly Professor & Dean, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi 110067; *H.No. 182, National Media Centre Cooperative House Building Society Ltd., Shankar Chowk, Gurugram 122001* [Tel (011) 2670-4327 (O), (0124) 420-5590 (R), 98-103-26590 (M); Fax (011) 2674-1502, 2674-1586; Email [kdatta@mail.jnu.ac.in](mailto:kdatta@mail.jnu.ac.in), [datta\\_k@hotmail.com](mailto:datta_k@hotmail.com); Web [www.jnu.ac.in/faculty/kdatta](http://www.jnu.ac.in/faculty/kdatta)]; **Lecture:** Professor MRN Prasad Memorial (2001); Professor Darshan Ranganathan Memorial (2003); **Council:** Mem 1999-2001; **SC: VII.**



**2014: DATTA, Swapan Kumar** (b 1953), PhD, Sp: Plant Biotechnology; FASc, FNASc, FNAAS, FTWAS, Former Vice Chancellor, *Visva-Bharati University, Santiniketan 731235*; Rashbehari Ghosh Chair Professor, Botany Department, University of Calcutta; Udita-02-0302, 1050/1 Survey Park, Kolkata 700075 [Tel 87-686-44777 (M); Email [swpndatta@yahoo.com](mailto:swpndatta@yahoo.com)]; **Lecture:** Professor Panchanan Maheshwari Memorial (2006); **SC: X.**



**1980: DATTA MUNSHI, Jyoti Swarup** (b 1930), PhD, Sp: Fish & Fisheries, Ecology & Cell Biology; FNASc, formerly Professor and Head, PG Department of Zoology, TM Bhagalpur Univ, Bhagalpur 812007; *P-124A, Usha Park, Kolkata 700084* [Tel (033) 2410-2641 (R); Email [jmunshi@yahoo.co.in](mailto:jmunshi@yahoo.co.in)]; **Medal:** Chandrakala Hora Memorial (1992); INSA Senior Scientist (1996-2000); **Council:** Mem 1982-83; **SC: VI.**



**1994: DATTAGUPTA, Sushanta** (b 1947), PhD, Sp: Structure and Dynamics of Condensed Matter; FASc, FNASc, FTWAS, INSA Senior Scientist, formerly Vice-Chancellor, Visva-Bharati, Santiniketan; formerly Professor & Director, IISER, Kolkata; formerly Director, SN Bose Centre, Kolkata and formerly JC Bose National Fellow, DST; *“Heights 6”, Flat 2, Uniworld City, New Town, Kolkata 700156* [Tel 94-330-13858, 98-318-42858 (M); Email [sushantad@gmail.com](mailto:sushantad@gmail.com)]; **Medal:** INSA Young Scientist (1977), CV Raman (2010); **Council:** F Sec 1998-99, VP 2000; **SC: II.**



**1987: DEB, Bidyendu Mohan** (b 1942), DPhil (Oxon), Sp: Theoretical Chemistry, Chemical Physics, Indian Culture and Civilization; FASc, FTWAS, INSA Honorary Scientist, Visva-Bharati University, Santiniketan, West Bengal; formerly ISRO Vikram Sarabhai Research Professor, JNCASR, Bengaluru; Adjunct Professor, Indian Institute of Science Education & Research, Kolkata; *48/29 Swiss Park, Ground Floor, Kolkata 700033* [Tel (033) 2424-5644 (R), 98-307-99629 (M); Email [bmdeb@yahoo.co.in](mailto:bmdeb@yahoo.co.in)]; **Medal:** Professor Mihir Chowdhury Memorial (2019); **Lecture:** Professor Sadhan Basu Memorial (1999); INSA Senior Scientist (2013-17); **SC: III.**





**2011: DEB, Kalyanmoy** (*b* 1962), PhD, Sp: Optimization and Evolutionary Computation; FASc, FNASc, FNAE, Professor, *Department of Electrical and Computer Engineering, Michigan State University, 428 S. Shaw Lane, 2120 EB, East Lansing, MI 48824, U.S.A;* 4288 Indian Glen, Okemos, MI 48864, USA [Tel (+1) 517-432-2144 (O), 517-930-0846 (M); Fax 517-353-1980; Email [kdeb@egr.msu.edu](mailto:kdeb@egr.msu.edu)]; **Lecture:** Sir JC Bose Memorial (2016); **SC: V.**



**2002: DEB, Mihir** (*b* 1945), PhD, Sp: Ore Geology, Geochemistry, Precambrian Geology, Mining Environment & Sustainable Development; formerly Professor, Department of Geology and Director, School of Environmental Studies, University of Delhi, Delhi; *Sector C-1, Flat # 1157, Vasant Kunj, New Delhi 110070* [Tel (011) 2613-1157, 4304-6759 (R), 98-103-33889 (M); Email [mihirdeb@gmail.com](mailto:mihirdeb@gmail.com), [mihir.deb@rediffmail.com](mailto:mihir.deb@rediffmail.com)]; INSA Senior Scientist (2010-14); **SC: IV.**



**1985: DEEKSHATULU, Bulusu Lakshmana** (*b* 1936), ME, PhD, Sp: Image Processing, Remote Sensing, Control Systems; FASc, FNASc, FNAE, FTWAS, FNAAS, FIEEE, Former Distinguished Fellow IDRBT (RBI-Govt. of India) Hyderabad; Distinguished Scientist & Director, NRSA, Hyderabad; Director, CSSTEAP (UN), Dehradun; *10-3-123/3, East Maredpalay, Secunderabad 500026, Telangana* [Tel (040) 2773-2423 (R), 99-084-99081 (M); Email [deekshatulu@hotmail.com](mailto:deekshatulu@hotmail.com)]; **Medal:** Professor Brahm Prakash Memorial (1992); **SC: V.**



**1974: DEO, Madhav Gajanan** (*b* 1932), MD, PhD, Sp: Pathology, Oncology, Molecular Medicine; FASc, FAMS, President, Moving Academy of Medicine and Biomedicine, Pune 411052; formerly Director, Cancer Research Institute, Mumbai; *C-13, Kubera Gulshan Apartments, DP Road, Aundh, Pune 411007* [Tel (020) 2729-5354 (O), 2589-3128 (R), 99-224-03266 (M); Email [deo.madhav@gmail.com](mailto:deo.madhav@gmail.com), [mgdmamb@gmail.com](mailto:mgdmamb@gmail.com)]; **Lecture:** BC Guha Memorial (1978); **Visiting Fellowship:** JL Nehru Birth Centenary (1993); INSA Senior Scientist (2014-16), INSA Honorary Scientist (2017-19); **Council:** Sec 1977-80; **SC: IX.**



**2005: DESAI, Uday Babulal** (*b* 1951), PhD, Sp: Wireless Communication, Cyber Physical Systems, Internet of Things (IoT), Signal Processing, Image and Video Processing; Director, *Indian Institute of Technology Hyderabad, Kandi, Sangareddy 502285, Telangana* [Tel (040) 2301-6002; Fax 2301-6003; Email [ubdesai@iith.ac.in](mailto:ubdesai@iith.ac.in), [director@iith.ac.in](mailto:director@iith.ac.in)]; **Council:** Ad Mem 2017; **SC: V.**



**2001: DESIRAJU, Gautam Radhakrishna** (*b* 1952), PhD, Sp: Crystal Engineering; FASc, FNASc, FTWAS, Honorary Professor, *Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560012* [Tel (080) 2293-3311 (O); Email [gdesiraju@iisc.ac.in](mailto:gdesiraju@iisc.ac.in)]; **Council:** Mem 2006-08; **SC: III.**



**2007: DEY, Chinmoy Sankar** (*b* 1961), PhD, Sp: Cell Biology, Molecular Biology, Insulin Signaling, Diabetes, Drug Resistance in Leishmania; JC Bose National Fellow, Visiting Scientist, Diabetes Research Foundation, Madras; Adjunct Faculty, Institute of Life Sciences, Hyderabad; Professor, *School of Biological Sciences, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016* [Tel (011) 2659-7523 (O), 2659-1808 (R), 95-602-79888 (M); Fax 2659-7530; Email [csdey@bioschool.iitd.ac.in](mailto:csdey@bioschool.iitd.ac.in); Web [www.iitd.ac.in](http://www.iitd.ac.in)]; **SC: IX.**

**2016: DEY, Gautam Kumar** (b 1957), PhD, Sp: Development of Zirconium, Niobium and Nickel Based Alloys, Amorphous Alloys, Electron Microscopy, Joining of Materials; FNAE, FASc, Distinguished Scientist, Director, Materials Group and Head, Materials Science Division, BARC; Professor & Dean-Academic (Engg. Sciences), *Homi Bhabha National Institute, Trombay, Mumbai 400085*; 38, Sreeniketan, Anushaktinagar, Mumbai 400094 [Tel (022) 2559-5063 (O), 2550-2075 (R), 97-570-00216, 99-201-97258 (M); Fax 2550-5151; Email gkdey@barc.gov.in, gautam\_k\_dey@yahoo.com]; **Medal:** INSA Young Scientist (1989); **SC: V.**



**2018: DEY, Subhasish** (b 1958), PhD, Sp: Applied Hydrodynamics, Turbulence, Fluvial Hydrodynamics; FASc, FNASc, FNAE, JC Bose National Fellow, Professor, *Department of Civil Engineering, Indian Institute of Technology Kharagpur, Kharagpur 721302*; Quarters No. A 159 (G+7 type), Indian Institute of Technology Kharagpur, Kharagpur 721302 [Tel (03222) 283-418 (O), 283-419 (R), 94-347-13850 (M); Fax 282-254; Email sdey@iitkgp.ac.in; Web <http://www.iitkgp.ac.in/department/CE/faculty/ce-sdey>]; **SC: V.**



**2021: DHAR, Abhishek** (b 1970), PhD, Sp: Statistical Physics; FASc, FNASc, Professor (H), *International Centre for Theoretical Sciences, TIFR, Survey No. 151, Shivakote, Hesarghatta Hobli, Bengaluru 560089*; 3051 Prestige Wellington Park, IAF Main Road, Jalahalli, Bengaluru 560013 [Tel (080) 4653-6270 (O), 91-641-83540 (M); Fax 4653-6002; Email abhishek.dhar@icts.res.in]; **SC: II.**



**1995: DHAR, Deepak** (b 1951), PhD (CIT, USA), Sp: Statistical Physics; FASc, FNASc, FTWAS, Distinguished Visiting Professor, *Department of Physics, Indian Institute of Science Education and Research, Dr. Homi Bhabha Road, Pashan, Pune 411008*; A904, Faculty Apartments, IISER, Dr. Homi Bhabha Road, Pashan, Pune 411008 [Tel (020) 2590-8455 (O), 2590-8458 (R); Email deepak@iiserpune.ac.in, deepakdhar1951@gmail.com]; **Medal:** INSA Young Scientist (1983); SN Bose (2001); **SC: II.**



**2016: DHAR, Suman Kumar** (b 1968), PhD, Sp: Biochemistry, Molecular Biology, Cell Biology, Parasitology; FNASc, Professor, *Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi 110067*; 596 Tower D, Pashchimabad, JNU, New Delhi 110067 [Tel (011) 2674-2572, 2673-8774 (O), 2674-2476 (R), 98-100-18272 (M); Fax 2674-1781; Email skdhar@mail.jnu.ac.in, skdhar2002@yahoo.co.in]; **SC: VIII.**



**2020: DHAWAN, Jyotsna** (b 1959), PhD, Sp: Biology of Quiescent Adult Stem Cells; Emeritus Scientist, *CSIR-Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500007*; formerly Chief Scientist and Group Leader, CSIR-CCMB and Professor, AcSIR; former Dean, DBT Institute for Stem Cell Science and Regenerative Medicine, Bengaluru; Indu Aranya Pallavi Apts, Block C2, Apt 201, Nagole Tattianaram Road, GSI Post, Nagole, Hyderabad 500068 [Tel (040) 2719-2544 (O), 96-200-16632 (M); Fax 2716-0591; Email jdhawan@ccmb.res.in, jdhawan@instem.res.in, jyotsna.dhawan@gmail.com]; **SC: VII.**





**2000: DHILLON, Baldev Singh** (b 1947), PhD, Sp: Agricultural Sciences-Genetics; Former Vice-Chancellor, *Punjab Agricultural University, Ludhiana 141004*; Villa 27, Sector 106 (EMAAR), Mohali 140306 [Tel (0160) 296-9165 (R), 98-728-71033 (M); Email dhillonbaldevsingh@gmail.com]; **Council:** Mem 2007; **SC: X.**



**2022: DHURANDHAR, Sanjeev Vishnu** (b 1951), PhD, Sp: Gravitational Waves and General Relativity; FASc, FNASc, Emeritus Professor, *Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune 411007*; Flat no. 903, Terraza Building, Near Medi-Point Hospital, Survey no. 244/1, Baner, Pune 411 045 [Tel (020) 2560-4123 (O), 83-082-00987 (M); Email sanjeev@iucaa.in]; **SC: II.**



**2015: DIGHE, Amol** (b 1970), PhD, Sp: High Energy Physics; FASc, Senior Professor I, *Department of Theoretical Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400005*; 303 Bhaskara, TIFR Colony, Homi Bhabha Road, Colaba, Mumbai 400005 [Tel (022) 2278-2423 (O), 99-673-96593 (M); Email amol@theory.tifr.res.in]; **SC: II.**



**2011: DIGHE, Rajan R** (b 1951), PhD, Sp: Molecular Endocrinology, Reproductive Biology, Biotechnology; FASc, FNASc, JC Bose National Fellow, INSA Senior Scientist, *Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bengaluru 560012*; Anriya Dwellington, Apt 5302, RMV stage II, Lottgollahalli, Bengaluru 560094 [Tel (080) 2293-3261 (O), 2366-3313 (R), 99-019-03513 (M); Fax 2360-0999; Email rdighe@alumni.iisc.ac.in, digherr@gmail.com]; **SC: VII.**



**2016: DIKSHIT, Kanak Lata** (b 1951), PhD, Sp: Molecular Biology, Biochemistry; FNASc, INSA Senior Scientist, Department of Biotechnology, Panjab University, Chandigarh & former Chief Scientist, CSIR-Institute of Microbial Technology, Sector 39A, Chandigarh 160036; *H No. 1524, PUSHPAC Complex, Sector 49B, Chandigarh 160047* [Tel (0172) 267-8524 (O), 99-150-07784 (M); Email kanakdikshit@pu.ac.in, kanakdikshit@gmail.com]; **SC: VIII.**



**2013: DIKSHIT, Madhu** (b 1957), PhD, Sp: Molecular Pharmacology; FASc, FNASc, FAMS, JC Bose National Fellow, INSA Senior Scientist, CSIR-Central Drug Research Institute, Lucknow; Former THSTI National Chair, *NCR Biotech Science Cluster, 3rd Milestone, Faridabad – Gurgaon Expressway, Faridabad, Haryana 121001*; Former Visiting Professor, IIT Jodhpur; Former Director, CSIR-Central Drug Research Institute, Lucknow; C-95, Sector-M, Aliganj, Lucknow 226024 [Tel (0129) 287-6448 (O), 94-151-11766 (M); Email drmadhudikshit@gmail.com, madhudikshit@thsti.res.in]; **Medal:** INSA Young Scientist (1989); Professor KP Bhargava Memorial (1999); **Lecture:** Professor Darshan Ranganathan Memorial (2013), DS Kothari Memorial (2020); **Council:** Mem 2017-19; **SC: VIII.**



**2005: DILEEPKUMAR, Maripi** (b 1954), PhD, Sp: Oceanography, Biogeochemistry; FASc, FNASc, JC Bose National Fellow, *500/22/F2, Sagar Ratna Hsg Society, Filomena Hsg. Colony, Alto-Santa Cruz, Bambolim P.O., Goa 403202* [Tel 94-044-34053 (M); Email maripidileepkumar@gmail.com]; **SC: IV.**

**2002: DIMRI, Vijay Prasad** (b 1948), PhD, Sp: Geophysics, Inversion, Fractals and Signal Processing; FNASc, FTWAS, AcSIR Distinguished Professor, formerly Director and Distinguished Scientist, *CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad 500007* [Tel (040) 2701-2337 (O), 77-990-43000 (M); Fax 2343-4651; Email [vpdimri@gmail.com](mailto:vpdimri@gmail.com)]; **Medal:** Professor K Naha Memorial (2016); INSA Senior Scientist (2013-16); **Council:** Mem 2004-06; **SC: IV.**



**1997: DOGRA, Sneha Kumar** (b 1942), PhD, Sp: Physical Chemistry & Photochemistry; FNASc, formerly Dean Academic Affairs, IISER-Bhopal, Professor & Head, Department of Chemistry, IIT Kanpur, Kanpur 208016; *B-101, Mangal Apartments, 16-Vasundhara Enclave, Delhi 110096* [Tel (011) 2262-2182 (R), 98-187-91143 (M); Email [skdogra@iitk.ac.in](mailto:skdogra@iitk.ac.in); Web <http://www.iitk.ac.in/chm/skd.html>]; **Medal:** Professor TR Seshadri 70th Birthday Commemoration (2006); INSA Honorary Scientist (2011-15); **SC: III.**



**2014: DUBE, Anuradha** (b 1955), PhD, Sp: Medical Parasitology (Leishmaniasis); INSA Emeritus Scientist and JC Bose National Fellow, formerly Chief Scientist (Scientist G), *Division of Molecular Parasitology and Immunology, CSIR-Central Drug Research Institute, New Campus, BS 10/1, Jankipuram Extension, Lucknow 226031*; B2/M91, SBI Colony, Sector B, Janakipuram, Lucknow 226021 [Tel (0522) 277-1940, 277-1960, 296-1202 Ext 4533 (O), 94-509-31332, 94-151-04918 (M); Fax 277-1941; Email [anuradha\\_dube@hotmail.com](mailto:anuradha_dube@hotmail.com), [a\\_dube@cdri.res.in](mailto:a_dube@cdri.res.in), [anuradhadube@gmail.com](mailto:anuradhadube@gmail.com)]; **Medal:** Professor BS Trivedi Memorial (2020); INSA Senior Scientist (2016-18); **SC: IX.**



**2014: DURGA RAO, Chilakalapudi** (b 1950), PhD, Sp: Virology, Cell and Molecular Biology, Biotechnology; FNASc, Professor & Dean, *School of Liberal Arts & Basic Sciences, Department of Biology, SRM University, Mangalagiri Mandal Guntur Dist., Neerukonda, Amaravati 522502, Andhra Pradesh* [Tel (080) 2360-7945 (R), 98-808-82052 (M); Email [cdmcb@gmail.com](mailto:cdmcb@gmail.com), [durgarao.c@srmmap.edu.in](mailto:durgarao.c@srmmap.edu.in), [dean.slabs@srmmap.edu.in](mailto:dean.slabs@srmmap.edu.in)]; INSA Senior Scientist (2016-19); **SC: VIII.**



**2015: DUTTA, Pradip** (b 1960), PhD, Sp: Mechanical Engineering (Heat Transfer, Energy Sciences); FASc, FNASc, FNAE, Professor, *Department of Mechanical Engineering, Indian Institute of Science, Bengaluru 560012*; Quarter No. 302, Indian Institute of Management Campus, Bengaluru 560076 [Tel (080) 2293-3225, 2360-4536 (O), 2699-3249 (R), 98-450-10520 (M); Fax 2360-4536; Email [pradip@iisc.ac.in](mailto:pradip@iisc.ac.in)]; **SC: V.**



**1983: DUTTA ROY, Suhash Chandra** (b 1937), DPhil, Sp: Circuits, Systems & Signal Processing; FASc, FNASc, FNAE, INSA Emeritus Scientist; *164, SFS Apartments, Hauz Khas, New Delhi 110016* [Tel (011) 2696-3054 (R); Email [s.c.dutta.roy@gmail.com](mailto:s.c.dutta.roy@gmail.com)]; **Medal:** SH Zaheer (1992); **Lecture:** Dr GP Chatterjee Memorial (2009); INSA Honorary Scientist (2007-15); **Council:** Ad Mem 2009; **SC: V.**





**1989: EASWARAN, Kalpathy Ramaier Katchap** (*b* 1939), PhD, Sp: Molecular Biophysics; Membrane Biophysics, Structural Biology; FASc, Emeritus Professor, *Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560012*; Aishwarya, 521 RMV Extension, 2nd Main, II Stage, 3rd Block, Bengaluru 560094 [Tel (080) 2293-2713 (O), 2341-5221 (R), 90-030-36231, 99-866-22397 (M); Fax 2360-0535; Email [krk\\_easwaran@yahoo.com](mailto:krk_easwaran@yahoo.com), [kalpathy.eswaran@gmail.com](mailto:kalpathy.eswaran@gmail.com)]; INSA Honorary Scientist (2010-15); **SC: VIII.**



**2022: EHTESHAM, Nasreen Zafar** (*b* 1959), PhD, Sp: Biomedical Sciences; FNASc, Director-in-Charge, *National Institute of Pathology, Safdarjung Hospital Campus, New Delhi 110029*; D12 Second Floor, Saket, New Delhi 110017 [Tel 88-263-77433 (M); Fax 2619-8401; Email [nzehtesham@gmail.com](mailto:nzehtesham@gmail.com)]; **SC: IX.**



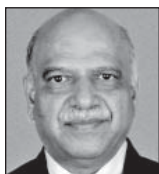
**1993: GADAGKAR, Raghavendra** (*b* 1953), PhD, DSc (*hc*), Sp: Animal Behaviour, Ecology & Evolution; FASc, FNASc, FTWAS, International Member, US NAS, Member, German National Academy of Sciences, Leopoldina, Foreign Honorary Member, American Academy of Arts & Sciences; Non-resident Permanent Fellow, Wissenschaftskolleg (Institute for Advanced Study) zu Berlin; Honorary Professor, *Centre for Ecological Sciences, Indian Institute of Science, Bengaluru 560012*; DST Year of Science Chair Professor; Founder President, Indian Society of Evolutionary Biologists (ISEB); Former Chairman, Centre for Contemporary Studies, IISc, Bengaluru; Honorary Professor, JNCASR, Jakkur, Bengaluru; IISER-Mohali; 3082, Cornwall, Prestige Kensington Gardens, 17, HMT Main Road, Jalahalli, Bengaluru 560013 [Tel (080) 2360-1429, 2293-2340 (O), 2308-9677 (R); Fax 2360-1428; Email [ragh@iisc.ac.in](mailto:ragh@iisc.ac.in); Web <http://ces.iisc.ac.in/hpg/ragh>, [https://www.researchgate.net/profile/Raghavendra\\_Gadagkar](https://www.researchgate.net/profile/Raghavendra_Gadagkar)]; **Professorship:** INSA-SN Bose Research Professor (2010-14); **Medal:** INSA Young Scientist (1985); **Lecture:** Etienne Wolf-Ramanujan (2015); **Visiting Fellowship:** JL Nehru Birth Centenary (2007); **Council:** VP 2003-05, Pres 2014-16; **SC: VI.**



**1984: GADGIL, Madhav Dhananjaya** (*b* 1942), PhD (Harvard), Sp: Ecology, Environment & Development; FASc, FNASc, FTWAS, Foreign Member US NAS, *A-18 Spring Flowers, Panchavati, Pashan, Pune 411008* [Tel (020) 2589-3424 (R), 98-811-53413 (M); Email [madhav.gadgil@gmail.com](mailto:madhav.gadgil@gmail.com)]; **Medal:** Golden Jubilee Commemoration (Animal Sc) (2015); **SC: VI.**



**1995: GADGIL, Sulochana** (*b* 1944), PhD, Sp: Atmospheric and Oceanic Science, Evolutionary Biology; FASc, *A18, Spring Flowers, Panchavati, Pashan, Pune 411008* [Tel (020) 2589-3424 (R); Email [sulugadgil@gmail.com](mailto:sulugadgil@gmail.com)]; **Medal:** KR Ramanathan (2017); **SC: IV.**



**1996: GADRE, Shridhar Ramchandra** (*b* 1950), PhD, Sp: Theoretical and Computational Chemistry; FASc, Distinguished Professor, *Department of Chemistry and Interdisciplinary School of Scientific Computing, Savitribai Phule Pune University, Pune 411007* [Tel (020) 2560-1406 (O), 2421-4664 (R), 99-606-24664 (M); Email [gadre@iitk.ac.in](mailto:gadre@iitk.ac.in), [gadre@unipune.ac.in](mailto:gadre@unipune.ac.in)]; **Medal:** INSA Young Scientist (1982); **Lecture:** Dr Jagdish Shankar Memorial (2000); **Council:** Mem 2001-03; **SC: III.**

**2022: GAHALAUT, Vineet Kumar** (b 1966), PhD, Sp: Earth Sciences, Seismology, Tectonic Geodesy; FASc, Chief Scientist, *CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad 500007*; VI-3, NGRI Colony, Uppal Road, Hyderabad 500007 [Tel (040) 2701-2517 (O), 2715-8161 (R), 98-495-98161 (M); Email vkgahalaut@yahoo.com, vkgahalaut@ngri.res.in]; **Medal:** INSA Young Scientist (1997); **SC: IV.**



**2012: GALANDE, Sanjeev Anant** (b 1967), PhD, Sp: Chromatin Biology; FASc, FNASc, Professor, *Indian Institute of Science Education and Research, Dr Homi Bhabha Road, Pune 411008*; B-1004, IISER Faculty Housing, Dr Homi Bhabha Road, Pune 411008 [Tel 99-233-63737 (M); Email sanjeev@iiserpune.ac.in]; **SC: VII.**



**2000: GANESH, Krishnarajanagar Nagappa** (b 1953), PhD (Cambridge), Sp: Bio-organic Chemistry; FASc, FTWAS, Director, *Indian Institute of Science Education and Research (IISER) Tirupati, Karakambadi Road, Mangalam, Tirupati 517507* [Tel (0877) 250-0802 (O); Fax 250-0250; Email kn.ganesh@iisertirupati.ac.in, director@iisertirupati.ac.in]; **Medal:** INSA Young Scientist (1985); **Lecture:** Dr Nitya Anand Endowment (2001); **Council:** Mem 2011-13; **SC: III.**



**1997: GANESHAIAH, Kotiganahally Narayana Gowda** (b 1953), PhD, Sp: Plant Reproductive Ecology, Conservation Biology, Insect Behaviour & Crop Breeding; FASc, FNAAS, FCSA, University Head, *Department of Forestry and Environment Sciences* and Professor, *School of Ecology and Conservation, University of Agricultural Sciences, GKVK Campus, Bengaluru 560065*; 7, PUNGAVEE, Santosh Vihar, Phase I, Jakkur Road, Bengaluru 560092 [Tel (080) 2363-6276 (O), 4127-5765 (R), 93-421-60639 (M); Fax 2353-0070; Email knganeshaiyah@gmail.com]; **SC: VI.**



**1990: GANGAL, Sudha Gajanan** (b 1934), PhD, Sp: Cancer Immunology, Basic Immunology Genetic Diseases; FASc, Research Advisor, Integrated Cancer Treatment and Research Centre, Wagholi, Pune; formerly Director, Research Society, BJ Wadia Hospital for Children, Parel, Mumbai and Head, Immunology Division, Cancer Research Institute, Mumbai; 4, *Mahavishnu Apartments, Kothrud, Pune 411029* [Tel (020) 2538-4382 (R), 99-216-37998 (M); Email sudha.gangal@yahoo.in]; **Council:** Mem 1996-98; **SC: IX.**



**1993: GANGULY, Chaitanyamoy** (b 1946), PhD (Met Engg), Sp: Nuclear Fuels & Fuel Cycle, Nuclear Materials and Advanced Ceramics; FASc, FNASc, FNAE, Adviser to Director General, Mentor & Distinguished Professor, Department of Nuclear Science & Technology, Pandit Deendayal Petroleum University (PDPU), Gandhinagar, Gujarat 382007; formerly Distinguished Scientist, Chairman and Chief Executive, Nuclear Fuel Complex, Hyderabad, Dept. of Atomic Energy (DAE), Govt. of India; former Head, Radio Metallurgy Division, BARC, DAE Mumbai; former Head, Nuclear Fuel Cycle and Materials Section, International Atomic Energy Agency (IAEA), Vienna; former Director, CSIR-CGCRI, Kolkata; *Caladia 703, The Botanika, Kondapur Gachibowli, Hyderabad 500032 (behind Platina Commercial Complex near Radisson Hotel)* [Tel 80-082-22001 (R), 80-082-22016 (M); Email chaitanya.ganguly@gmail.com, chm\_ganguly@yahoo.com]; **SC: V.**





**1993: GANGULY, Nirmal Kumar** (b 1941), MD, DSc (*bc*), Sp: Microbiology, Immunology, Biotechnology, Infectious Diseases, Public Health and Policy; FASc, FNASc, FTWAS(Italy), FAMS, FRCPath(London), FRC Trop(London), FIACS(Canada), FIMSA, Fellow, Imperial College, London (Health Sciences), Visiting Professor of Eminence, Translational Health Science & Technology Institute; Department of Biotechnology, Honorary Senior Research Professor, ILBS, New Delhi; Professor, The Ganga Ram Institute for Postgraduate Medical Education & Research (GRIPMER), Sir Ganga Ram Hospital, New Delhi; Senior Scientific Advisor, Global Health Strategies; President, Apollo Hospitals Educational and Research Foundation (AHERF); formerly DG-ICMR; former General President, Indian Science Congress Association; formerly President, JIPMER, Puducherry & Asian Institute of Public Health, Bhubaneswar, Odisha; formerly Director-in-Charge, National Institute of Biologicals, New Delhi; #191, 9<sup>th</sup> Floor, City View Apartments, Sector-35, Noida 201301; #701, Gayatri Apartments, GH-6, Sector 45, Faridabad 121003; 1103/1 Sector-39B, Chandigarh 160012 [Tel (011) 2682-5627 (O), (0129) 243-998 (R); Email ganguly1nk@gmail.com, ganguly.nk@aherf.net]; **Lecture:** Professor SN De Memorial (1993), Dr Y SubbaRow Memorial (1999); **Council:** Ad Mem 2001; Mem 2002-04; **SC: IX.**



**2015: GARG, Lalit Chander** (b 1952), PhD, Sp: Infectious Diseases, Gene Expression, Vaccine Development; INSA Senior Scientist, *National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110067*; H.No. 12, Dakshinapuram, Jawaharlal Nehru University, New Delhi 110067 [Tel (011) 2670-3652 (O), 93-1228-7881 (M); Fax 2674-2125; Email lalit@nii.ac.in, lalitcgarg@gmail.com]; **SC: IX.**



**2020: GARG, Pramod Kumar** (b 1963), MBBS, MD, DM, Sp: Medicine, Gastroenterology, Pancreatology; JC Bose National Fellow, FASc, FNASc, FAMS, FRCP, Executive Director, Translational Health Science and Technology Institute, Faridabad; Professor, *Department of Gastroenterology, All India Institute of Medical Sciences, New Delhi 110029*; 1273, B-1, Vasant Kunj, New Delhi 110070 [Tel (011) 2659-3556/4425 (O), 4100-6336 (R), 98-100-38116 (M); Fax 2658-8663; Email pgarg@thsti.res.in, pgarg10@gmail.com]; **SC: IX.**



**1980: GAUR, Vinod Kumar** (b 1936), PhD, DSc (*bc*), Sp: Earth and Planetary Sciences; FASc, FTWAS, Distinguished Professor, Indian Institute of Astrophysics, Sarjapur Road, Bengaluru 560034; formerly Distinguished Scientist, CMMACS, NAL, Bengaluru & Secretary, DOD (GoI); *101, Windsor Court, 17, Millers Road, Bengaluru 560046* [Tel (080) 2505-1931 (CMMACS), 2553-0672-6 (IIA) (O), 2343-7410 (R); Fax 2505-0392 (CMMACS), 2553-4019 (IIA); Email gaur@cmmacs.ernet.in, vgaur@iia.res.in]; **Medal:** DN Wadia (2007); **Lecture:** Dr GP Chatterjee Memorial (1991); **Council:** Mem 1985-87, 1994-96; **SC: IV.**



**2006: GAVAI, Rajiv Vasantrya** (b 1954), PhD, Sp: Theoretical High Energy Physics, Quantum Field Theory on Lattice, Quark-Gluon Plasma, Heavy Ion Collisions and Phase Transitions in Early Universe; FASc, Dr Raja Ramanna Fellow, *Department of Physics, Academic Building I, Indian Institute of Science Education and Research Bhopal, Indore By-pass Road, Bhaury, Bhopal 462066*; formerly Chair and Senior Professor, Department of Theoretical Physics, TIFR, Mumbai; Row House No. 54, Hill Garden Row House CHSL, Tikuji-ni-Wadi Road, Near Tikuji-ni-Wadi, Chitalsar, Manpada, Thane 400610, Maharashtra [Tel 98-209-54585 (M); Email gavai@tifr.res.in, rajiv.gavai@gmail.com]; **SC: II.**

**2015: GEORGE THOMAS, Kakkudiyil** (b 1961), PhD, Sp: Physical Chemistry, Photochemistry, Photophysics and Material Science; FASc, JC Bose National Fellow, Professor & Dean (Faculty Affairs), *School of Chemistry, Indian Institute of Science Education and Research Thiruvananthapuram (IISER-TVM), Maruthamala (PO), Vithura, Thiruvananthapuram 695551*; 11G, SFS Stanford, Madathunada, Mukkolackal, Kudappanakunnu (PO), Thiruvananthapuram 695043 [Tel (0471) 277-8040 (O), 254-2245 (R), 98-473-56057 (M); Email kgt@iisertvm.ac.in]; **SC: III.**



**2021: GHATE, Eknath Prabhakar** (b 1969), PhD, Sp: Mathematics (Number Theory); FASc, Professor and Dean, *School of Mathematics, Tata Institute of Fundamental Research, Mumbai 400005*; 702 Meghnad, TIFR Housing Colony, Homi Bhabha Road, Mumbai 400005 [Tel (022) 2278-2663 (O), 98-201-94361 (M); Fax 2280-4610; Email egbate@math.tifr.res.in]; **SC: I.**



**2004: GHOSH, Amit** (b 1944), PhD, DSc (bc), Sp: Molecular Biology of *Vibrio cholerae*; FASc, FNASc, FBRS, Honorary Scientist, National Academy of Sciences, India (NASI) at *ICMR-National Institute of Cholera and Enteric Diseases (JICA Building), P-33, CIT Scheme XM, Beliaghata, Kolkata 700010*; formerly JC Bose Chair Professor, National Academy of Sciences, India (NASI); formerly Director, CSIR-Institute of Microbial Technology, Chandigarh and Indian Institute of Advanced Research, Gandhinagar, Gujarat [Tel (033) 4603-3573 (R), 94-336-92858, 70-448-08282 (M); Email amitghosh24@yahoo.com]; INSA Senior Scientist (2015-16); **Council: Mem 2011-13; VP 2021-;** **SC: IX.**



**2000: GHOSH, Amitabha** (b 1941), PhD, DSc (bc), Sp: Mechanical Engineering; FASc, FNASc, FNAE, INSA Emeritus Scientist, formerly Professor, IIT Kanpur; Director, IIT Kharagpur; Honorary Distinguished Professor, *Aerospace Engineering and Applied Mechanics Department, Indian Institute of Engineering Science and Technology, Shibpur, PO Botanical Garden, Howrah 711103*; Flat D2, Kalpataru, 50/A, College Road, PO Botanical Garden, Howrah 711103 [Tel (033) 2668-0521 Ext 441 (O), 2668-2424 (R); Email amitabha@iitk.ac.in, amitabhaitk@gmail.com]; **SC: V.**



**2017: GHOSH, Arindam** (b1969), PhD, Sp: Experimental Condensed Matter Physics at Ultra-low Temperature, Nano Electronics, Semiconductor Physics; FNASc, FASc, Professor, *Department of Physics, Indian Institute of Science, Bengaluru 560012*; HE 351, Indian Institute of Science Campus, Bengaluru 560012 [Tel (080) 2293-3288 (O), 98-800-64200 (M); Fax 2360-2602; Email arindam@iisc.ac.in]; **SC: II.**



**2014: GHOSH, Aswini** (b 1953), PhD, Sp: Condensed Matter Physics and Materials Science; FASc, JC Bose National Fellow, Former Senior Professor, *School of Physical Sciences, Indian Association for the Cultivation of Science, 2A & B, Raja SC Mullick Road, Jadavpur, Kolkata 700032*; 22 Eastern Park, Baghajatin, Block-G, Kolkata 700086 [Tel (033) 2473-4971 Ext 1314 (O), 2425-8642 (R), 90-073-57514 (M); Fax 2473-2805; Email sspag@iacs.res.in, aswghosh@gmail.com; Web <http://iacs.res.in/faculty-profile.html?id=71>]; **SC: II.**





**2011: GHOSH, Balaram** (*b* 1955), PhD, Sp: Biochemistry, Immunology, Molecular Genetics; FASc, FNASc, JC Bose National Fellow, formerly Scientist 'H' Outstanding Scientist (CSIR), Head, *Genomics & Molecular Medicine Unit, CSIR-Institute of Genomics & Integrative Biology, Mall Road, Delhi 110007*; B-114 Shakti Apartments, Sector 9, Rohini, Delhi 110085 [Tel (011) 2766-2580 (O), 2786-0108 (R), 98-713-86414 (M); Fax 2766-7471; Email [bghosh@igib.res.in](mailto:bghosh@igib.res.in)]; **Lecture:** Dr MR Das Memorial (2014); **SC: VII.**



**1994: GHOSH, Bilwa Gopal** (*b* 1940), PhD, Sp: Condensed Matter Physics; formerly Senior Professor, Saha Institute of Nuclear Physics, Kolkata; *Motijheel Hsg Co-op Soc Ltd, B-4, 154 Motijheel Avenue, Kolkata 700074* [Tel (033) 2560-5528 (R), 94-338-35185 (M); Email [bilwagopal.ghosh@saha.ac.in](mailto:bilwagopal.ghosh@saha.ac.in)]; INSA Senior Scientist (2000-05); **SC: II.**



**2017: GHOSH, Hirendra N** (*b* 1966), PhD, Sp: Chemistry; FNASc, FASc, Scientist-G, *Institute of Nano Science and Technology, Knowledge City, Sector-81, Mohali 140306*; 404 Y-Tower, Falcon View, Sector-66A Mohali 140308 [Tel (0172) 229-7000 (O), 99-300-42720 (R), 99-201-65111 (M); Email [hngghosh@inst.ac.in](mailto:hngghosh@inst.ac.in), [hngghosh2004@gmail.com](mailto:hngghosh2004@gmail.com)]; **Medal:** INSA Young Scientist (1998); AK Bose Memorial (2000); **SC: III.**



**2007: GHOSH, Kunal** (*b* 1946), PhD, DSc, Sp: Agricultural Chemistry and Soil Science; INSA Honorary Scientist, Director, Agtec Innovations Pvt Ltd, Building IV, South Block, 2nd Floor, Behala Industrial Estate (Government of West Bengal), 620 Diamond Harbour Road, Kolkata 700034; Raman Centre for Applied and Interdisciplinary Sciences, 16A Jheel Road, Kolkata 700075; formerly Professor and Head, Agricultural Chemistry and Soil Science, Calcutta University; *4A Ratnabali, 7A Judges Court Road, Alipore, Kolkata 700027* [Tel (033) 2446-7048, 2483-0029 (O), 2479-1112, 2448-0537 (R), 94-330-10233, 83-360-42420 (M); Email [kghoshcu@gmail.com](mailto:kghoshcu@gmail.com)]; INSA Senior Scientist (2012-16), **Council:** Mem 2013-15, Ad Mem 2017-22; **SC: X.**



**2021: GHOSH, Pradyut** (*b* 1970), PhD, Sp: Inorganic and Supramolecular Chemistry; FASc, Senior Professor and Chair, *School of Chemical Sciences, Indian Association for the Cultivation of Science, 2A & 2B, Raja SC Mullick Road, Jadavpur, Kolkata 700032*; Eden Roma, Flat-2A/III, 39 East Purbachal Canal Road 1st Lane, Kalikapur, Kolkata 700078 [Tel (033) 2473-4971 Ext 1351, 94-331-38075 (M); Fax 2473-2805; Email [icpg@iacs.res.in](mailto:icpg@iacs.res.in), [icpg.iacs@gmail.com](mailto:icpg.iacs@gmail.com)]; **SC: III.**



**2012: GHOSH, Subrata** (*b* 1950), PhD, Sp: Synthetic Organic Chemistry; FASc, INSA Senior Scientist, *School of Chemical Sciences, Formerly Dean (Administration), Indian Association for the Cultivation of Science, 2A & B, Raja SC Mullick Road, Jadavpur, Kolkata 700032*; Basundhara Apartment, E3, 19/922 Raja SC Mallik Road, Kolkata 700086 [Tel (033) 2473-4971 (O), 98-304-50170 (M); Fax 2473-2805; Email [ocsg@iacs.res.in](mailto:ocsg@iacs.res.in)]; **SC: III.**

**1999: GHOSH, Swapan Kumar** (b 1949), PhD, Sp: Theoretical Chemistry, Computational Materials Science, Soft Condensed Matter Physics; FASc, FNASc, FTWAS, INSA Emeritus Scientist, Distinguished Professor & Dean, *Academic Affairs, UM-DAE-Centre for Excellence in Basic Sciences, University of Mumbai, Kalina Campus, Santacruz (East), Mumbai 400098*; Plot No-56, Row House, Sector-1, Kopar Khairane, Navi Mumbai 400709 [Tel (022) 2559-5092 (O), 2754-9108 (R); Email [swapankghosh@gmail.com](mailto:swapankghosh@gmail.com), [swapan.ghosh@cbs.ac.in](mailto:swapan.ghosh@cbs.ac.in)]; **Lecture:** Dr Jagdish Shankar Memorial (2009); **Council:** Mem 2015-17; **SC: III.**



**1987: GILL, Bakhshish Singh** (b 1925), MVSc (Hons), PhD, Sp: Tropical Veterinary Medicine; FNASc, FNAAS, formerly Dean, College of Veterinary Science and Special Director of Research (Veterinary and Animal Sciences), PAU, Ludhiana; *110-A, Aggar Nagar, Ludhiana 141012* [Tel (0161) 255-2931(R)]; **SC: X.**



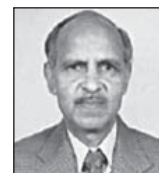
**2013: GIRI, Ashok Kumar** (b 1952), PhD, DSc, Sp: Genetic Toxicology, Environmental Mutagenesis, Human Genetics and Genomics, Monitoring of Human Population Exposed to Environmental Mutagens and Carcinogens; FNASc, INSA Senior Scientist, Emeritus Scientists (CSIR), *Molecular Genetics Division, CSIR-Indian Institute of Chemical Biology, 4 Raja SC Mullick Road, Jadavpur, Kolkata 700032*; Flat No C-1102, Mohul Block, Salboni Apartment, 64/98C Khudiram Bose Sarani, Belgachia, Kolkata 700037 [Tel (033) 2499-5724 (R), 94-332-51823 (M); Fax 2473-5197; Email [akgiri15@yahoo.com](mailto:akgiri15@yahoo.com), [akgiri@iicb.res.in](mailto:akgiri@iicb.res.in)]; **Medal:** INSA Young Scientist (1984); **SC: IX.**



**2003: GODBOLE, Rohini Madhusudan** (b 1952), PhD, DLitt, Sp: Theoretical High Energy Physics; FASc, FNASc, FTWAS, Chair, INSA Panel for Women in Science; Professor, *Centre for High Energy Physics, Indian Institute of Science, Bengaluru 560012*; E-18, IISc Housing Colony, Bengaluru 560012 [Tel (080) 2293-2845 (O), 2360-8357 (R); Fax 2360-0683, 2360-0085, 2360-0106; Email [rohini@iisc.ac.in](mailto:rohini@iisc.ac.in)]; **Medal:** SN Bose (2009); **Lecture:** KS Krishnan Memorial (2019); **Visiting Fellowship:** JL Nehru Birth Centenary (2005); **Council:** Mem 2011-13; **SC: II.**



**1998: GOEL, Prem Shanker** (b 1947), ME, PhD, Sp: Satellite Control Systems, Space Technology; FASc, FNAE, FNASc, FTWAS, Dr Raja Ramanna Chair Professor, NIAS, Honorary Distinguished Professor, ISRO HQ; formerly Secretary, MoES, New Delhi; formerly Chairman, RAC (DRDO); formerly Director, ISAC; *No. 6, 1st Main, 9th Cross, Oppo BESCO office, ISRO Layout, Bengaluru 560111* [Tel 73-826-18774, 99-100-49388 (M); Email [dr.psgoel@gmail.com](mailto:dr.psgoel@gmail.com)]; **SC: V.**



**2014: GOKHALE, Rajesh Sudhir** (b 1967), PhD, Sp: Chemical Biology; FASc, FNASc, Staff Scientist-VII, *National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110067*; H-8, NII, Aruna Asaf Ali Marg, Near JNU East Gate, New Delhi 110067 [Tel (011) 2670-3545 (O), 98-115-59987 (M); Fax 2987-9111; Email [rgs@nii.res.in](mailto:rgs@nii.res.in)]; **SC: VIII.**





**2010: GOPAKUMAR, Rajesh** (*b* 1967), PhD, Sp: Theoretical Physics; FASc, FNASc, FTWAS, Senior Professor and Centre Director, *International Centre for Theoretical Sciences of Tata Institute of Fundamental Research, Shivakote, Hesaraghatta Hobli, Bengaluru 560089* [Tel (080) 2369-1708, 4653-6020 (O); Fax 4653-6002; Email rajesh.gopakumar@icts.res.in, gopakumr@gmail.com]; **Council:** Mem 2014-16; **SC:** II.



**2016: GOPAL, Balasubramanian** (*b* 1970), PhD, Sp: Structural Biology; FASc, FNASc, Professor, *Room 301, Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560012*; Flat 2, Plot 41, Sri Guru Vanam, I.T.I Layout, MS Ramaiah Nagara, Bengaluru 560054 [Tel (080) 2293-3219 (O), 2360-2838 (R), 98-804-50577 (M); Fax 2360-0535; Email bgopal@iisc.ac.in; Web <http://mbu.iisc.ac.in/~bggrp/>]; **SC:** VIII.



**1994: GOPALAKRISHNAN, Jagannatha** (*b* 1944), PhD, Sp: Solid State Inorganic Chemistry; FASc, FNASc, IISc Distinguished Alumnus (2010), formerly Honorary Professor, *Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560012*; Sangeet Apts No 3, 226 (New), 4th Main Road, Malleswaram, Bengaluru 560055 [Tel (080) 2293-2537 (O), 2334-5163 (R), 94-495-45185 (M); Email gopalkrish@iisc.ac.in, gopalj18@gmail.com]; **Lecture:** Professor Sadhan Basu Memorial (2008); INSA Senior Scientist (2009-13); **SC:** III.



**1986: GOPALAN, Kunchithapadam** (*b* 1938), PhD, Sp: Geochronology & Isotope Geology; FASc, FNASc, *38765 Adcock Drive, Fremont, California 94536, USA* [Tel (+1) (510) 771-4980 (R); Email mompattu@gmail.com]; **Medal:** Professor K Naha Memorial (2010); INSA Honorary Scientist (2008-15); **SC:** IV.



**1993: GOPINATHAN, Karumathil Puthanveetil** (*b* 1939), PhD, Sp: Molecular Biology & Biotechnology; FASc, FNASc, Formerly Professor, *Department of Microbiology & Cell Biology, Indian Institute of Science, Bengaluru 560012*; ABHIMAN, 369, 11th Cross, RT Nagar II Block, Bengaluru 560032 [Tel (080) 2293-2884, 2360-0090 (O), 2333-3861 (R), 97-314-40030 (M); Fax 2360-2697; Email kpg@iisc.ac.in]; **Lecture:** Dr MR Das Memorial (2005); INSA Senior Scientist (2005-09), INSA Honorary Scientist (2010-15); **SC:** VIII.



**1992: GOPINATHAN, Melethil Sankaran** (*b* 1942), PhD, Sp: Quantum Chemistry & Nonlinear Dynamics; FASc, “*SWATHI*”, *V/PXI/872, Kodanganur PO, Thiruvananthapuram 695013* [Tel 94-003-65155 (M); Email msgopinathan@gmail.com]; **SC:** III.



**2003: GOSWAMI, Bhupendra Nath** (*b* 1950), PhD, Sp: Tropical Meteorology, Monsoon Dynamics and Predictability of Weather and Climate; FASc, FNASc, FTWAS, SERB Distinguished Fellow, *Department of Physics, Cotton University, Guwahati 781001*; formerly Director, Indian Institute of Tropical Meteorology, Pune; House No. 95, Kharghuli Main Road, Kharghuli, Guwahati 781004 [Tel 98-602-01144 (M); Email bhupengoswami100@gmail.com]; **Medal:** KR Ramanathan (2008); INSA Senior Scientist (2017-18); **SC:** IV.

**2000: GOSWAMI, Jitendra Nath** (b 1950) PhD, Sp: Solar System Studies, Earth and Planetary Sciences; FASc, FNASc, FTWAS, JC Bose National Fellow & INSA Senior Scientist, *Physical Research Laboratory, Narrangpura, Ahmedabad 380009*; B-31, Jupiter Towers, Bodakdev, Ahmedabad 380054 [Tel (079) 2631-4332 (O), 99-099-50961 (R); Fax 2630-0374; Email [goswami@prl.res.in](mailto:goswami@prl.res.in); Web <http://www.prl.res.in>]; **Medal:** INSA Young Scientist (1978); **SC: IV.**



**2011: GOSWAMI, Sreebrata** (b 1956), PhD, Sp: Inorganic Chemistry, Coordination Chemistry of Organic pi-Radical Ligands, Metal-Ligand Cooperation, Electro-Protic Storage, Electronic and Optoelectronic Materials; FASc, Former Professor, *School of Chemical Sciences, Indian Association for the Cultivation of Science, 2A & B, Raja SC Mullick Road, Jadavpur, Kolkata 700032*; 13/2, Madhusudan Banerjee Road, Belgharia, Kolkata 700056 [Tel (033) 2541-6361 (R), 94-330-06361 (M); Email [icsg@iacs.res.in](mailto:icsg@iacs.res.in), [icsgiacs@gmail.com](mailto:icsgiacs@gmail.com)]; **SC: III.**



**2018: GOSWAMI, Srubabati** (b 1966), PhD, Sp: High Energy Physics; FASc, FNASc, Professor, *Theoretical Physics Division, Physical Research Laboratory, Narrangpura, Ahmedabad 380009*; E3 PRL Quarters, Vikramnagar, Bopal Road, Ahmedabad 380058 [Tel (079) 2631-4471 (O); Fax 2631-7900; Email [sruba@prl.res.in](mailto:sruba@prl.res.in), [sruba.goswami@gmail.com](mailto:sruba.goswami@gmail.com)]; **SC: II.**



**2019: GOURINATH, Samudrala** (b 1972), PhD, Sp: Structural Biology (Infectious Disease); Professor, *Lab# 430, Structural Biology Lab, School of Life Sciences, Jawaharlal Nehru University, New Delhi 110067*; A-504, Paschimabad, Jawaharlal Nehru University, New Delhi 110067 [Tel (011) 2670-4513 (O), 98-184-20366 (M); Fax 2618-7338; Email [samudralag@yahoo.com](mailto:samudralag@yahoo.com), [sgourinath@mail.jnu.ac.in](mailto:sgourinath@mail.jnu.ac.in)]; **SC: VIII.**



**2022: GOVINDARAJAN, Rama** (b 1962), PhD, Sp: Fluid Dynamics; FASc, FNASc, Senior Professor and Dean Academic, *International Centre for Theoretical Sciences, Tata Institute of Fundamental Research, Survey No. 151, Shivakote Village, Hesaraghatta Hobli, Bengaluru (North), Karnataka 560089*; No. 2063, Prestige Wellington Park, Jalahalli, Gangamma Circle, Bengaluru 560013, Karnataka [Tel (080) 4653-6370 (O), 2308-9166 (R), 81-066-71309 (M); Email [rama@icts.res.in](mailto:rama@icts.res.in), [rama.govindarajan@gmail.com](mailto:rama.govindarajan@gmail.com)]; **SC: V.**



**2001: GOWRISHANKAR, Jayaraman** (b 1956), MBBS, PhD (Melbourne), Sp: Microbial Genetics and Physiology, Molecular Biology and Biotechnology; FASc, FNASc, Director, *Indian Institute of Science Education and Research Mohali, Knowledge City, Sector 81, SAS Nagar, Manauli PO 140306*; formerly Staff Scientist and Director, CDFD & Scientist, CCMB, Hyderabad [Telefax (0172) 224-0266 (O), 229-3120 (R), 91-604-30111 (M); Email [director@iisermohali.ac.in](mailto:director@iisermohali.ac.in), [jayaraman.gowrishankar@gmail.com](mailto:jayaraman.gowrishankar@gmail.com)]; **Medal:** INSA Young Scientist (1986); **Lecture:** JL Nehru Birth Centenary (2005); INSA Senior Scientist (2017-19); **Council:** Mem 2007-09; **SC: VII.**



**2007: GROVER, Anil** (b 1958), PhD, Sp: Heat Stress Responses of Plants; FASc, FNASc, FNAAS, Professor, *Department of Plant Molecular Biology, University of Delhi, South Campus, Benito Juarez Road, New Delhi 110021*; C-1/96, Janak Puri, New Delhi 110058 [Tel (011) 2411-7693, 2411-5097 (O), 4309-0777 (R), 98-716-18167 (M); Email [anil.anilgrover@gmail.com](mailto:anil.anilgrover@gmail.com), [agrover@south.du.ac.in](mailto:agrover@south.du.ac.in)]; **Medal:** INSA Young Scientist (1990); **SC: VII.**





**1991: GUPTA, Alok Krishna** (*b* 1942), PhD (Pittsburgh), DSc (*bc*), Sp: Experimental Petrology; FASc, FNASc, Raja Ramanna Fellow (AEC), Visiting Professor, Purbanchal University; *E-203, Green Valley Apartments, Chiriamore, Kaikabali 700136* [Tel (033) 2573-0548 (R), 86-013-50902 (M); Email alok.krishna.gupta@gmail.com]; **Lecture:** JL Nehru Birth Centenary (2011); INSA Honorary Scientist (2013-16); **Council:** VP 2007-09; **SC: IV.**



**2012: GUPTA, Anil Kumar** (*b* 1960), PhD, Sp: Micropaleontology, Paleomonsoon and Paleoclimatology; FASc, FNASc, FTWAS, JC Bose National Fellow, Professor (HAG), *Department of Geology & Geophysics, Indian Institute of Technology Kharagpur, Kharagpur 721302* [Tel (03222) 283-368 (O), 94-340-21903, 81-266-61820 (M); Email anilgupta021160@gmail.com, anilg@gg.iitkgp.ac.in]; **SC: IV.**



**2019: GUPTA, Anil Kumar** (*b* 1952), PhD, Sp: Inclusive, Frugal and Grassroots Innovation, Institution Building, Sustainable Agriculture, Technological, Educational, Institutional Innovations, Public Policy; FNAAS, FWAAS, Founder, Honey Bee Network, SRISTI, GIAN and NIF, Visiting Faculty, IIMA and Distinguished Visiting Faculty, IITB, *GLAN, Bungalow No. 1, Satellite Complex, Near Satellite Tower, Mansi Cross Road, Premchand Nagar Road, Satellite, Ahmedabad 380015*; 17, Abhishek Bungalow, Gala Gymkhana Road, Opp. SOBO Center, Near Rajvi Society, South Bopal, Bopal, Ahmedabad 380058 [Tel (02717) 489-516 (O), 98-250-14437 (M); Fax 2630-7341; Email anilg@sristi.org, anilg@iima.ac.in]; **Lecture:** Professor BD Tilak (2005); **NC.**



**1989: GUPTA, Chhitar Mal** (*b* 1944), PhD, Sp: Membrane Biology and Bio-organic Chemistry; FASc, FNASc, FAMS, FTWAS, Distinguished Professor (Hon.) & Infosys Chair, Institute of Bioinformatics and Applied Biotechnology (Room GF 18), Biotech Park, Electronics City Phase 1, Bengaluru 560100, formerly Director, CSIR-IMTech., Chandigarh and CSIR-CDRI, Lucknow and Distinguished Biotechnology Research Professor (DBT); *D-508, Rabeja Residency, IIIrd Block, Koramangala, Bengaluru 560034* [Tel (080) 2852-8900-8902 Ext 109 (O), 4090-3534 (R), 88-849-00233 (M); Email cm44gupta@gmail.com, drcmg@rediffmail.com]; **Medal:** INSA Young Scientist (1974), Golden Jubilee Commemoration (Biol Sc) (2001); **Lecture:** Dr Nitya Anand Endowment (1989); **Council:** Mem 2000-01, VP 2002; **SC: VIII.**



**1989: GUPTA, Harsh Kumar** (*b* 1942), PhD, Sp: Seismology, Geophysical Exploration, Ocean Sciences; FNASc, FTWAS, *CSIR-National Geophysical Research Institute (NGRI), Uppal Road, Hyderabad 500007*; President GSI and Member, Atomic Energy Regulatory Board; formerly: Member, National Disaster Management Authority, Govt. of India; Secretary to Govt. of India, DOD (now MoES); Director, NGRI, Hyderabad; Vice-Chancellor, Cochin University of Science and Technology, Cochin; Professor, University of Texas at Dallas, USA; *MANJUSHA, N-1/A, Kakatiya Nagar, Habsiguda, Hyderabad 500007* [Tel (040) 2701-2600 (O), 2715-5971 (R); Email harshg123@gmail.com]; **Medal:** Professor K Naha Memorial (2004); **Lecture:** DS Kothari Memorial (2014); **Visiting Fellowship:** JL Nehru Birth Centenary (2003); **Council:** Mem 1999-2000, VP 2001, Ad Mem 2007; **SC: IV.**

**2015: GUPTA, Kailash Chand** (*b* 1952), PhD, Sp: Nucleic Acid Chemistry, Nanobiotechnology; FNASc, Distinguished Scientist Chair (ICMR), Nucleic Acids Research Laboratory, CSIR-Institute of Genomics and Integrative Biology, Mall Road, Delhi University Campus, Delhi 110007; Visiting Professor, Department of Biological Sciences and Bioengineering (BSBE) and Centre for Environmental Science and Engineering (CESE), Indian Institute of Technology, Kanpur 208016; formerly Director, Indian Institute of Toxicology Research, M.G. Marg, Lucknow 226001; 233, Dharamkunj Apartments, Sector-9, Rohini, Delhi 110085 [Tel (011) 2766-2491 (O), 88-009-94239, 96-281-06106 (M); Fax 2766-7471; Email [kcgupta9@gmail.com](mailto:kcgupta9@gmail.com)]; **SC: VIII.**



**1992: GUPTA, Laxmi Chand** (*b* 1938), PhD, Sp: Superconductivity and Magnetism in Quaternary Borocarbides and Intermetallics, Nuclear Magnetic/Quadrupole Resonance and  $\mu$ -SR Studies, Valence Fluctuations and Heavy Fermions; FASc, FNASc, FTWAS, formerly Senior Professor (I), TIFR, Mumbai; 403, VIGYANSHILA, Jubu Versova Link Road, Andheri (W) Mumbai 400061 [Email [lcgupta@tifr.res.in](mailto:lcgupta@tifr.res.in), [lcgupta38@yahoo.com](mailto:lcgupta38@yahoo.com)]; **SC: II.**



**2014: GUPTA, Munishwar Nath** (*b* 1948), PhD, Sp: Biochemistry; FNASc, Formerly Emeritus Professor, Department of Biochemical Engineering & Biotechnology, Indian Institute of Technology Delhi, New Delhi; Apt 508/block 3, Kirti Apartments, Mayur Vihar Phase 1 Extension, Delhi 110091 [Tel 93-155-06902 (M); Email [munishwar48@yahoo.co.uk](mailto:munishwar48@yahoo.co.uk), [mn\\_gupta@hotmail.com](mailto:mn_gupta@hotmail.com); Web <http://web.iitd.ac.in/~munishwar/>]; **SC: VIII.**



**2002: GUPTA, Narinder Kumar** (*b* 1942), PhD, Doctor (*hc*) (Russian Acad. Sc.), Sp: Plasticity and Impact Mechanics; FNASc, FNAE, FTWAS, INSA Honorary Scientist, Department of Applied Mechanics, Indian Institute of Technology Delhi, New Delhi 110016; A-53, Gyandeep Apartments, Mayur Vihar Phase-I, Delhi 110091 [Tel (011) 2659-1178 (O), 2279-6430 (R), 90-138-23907 (M); Email [nkgupta@iitd.ac.in](mailto:nkgupta@iitd.ac.in)]; **Lecture:** KS Krishnan Memorial (2013); INSA Senior Scientist (2012-17); **Council:** VP 2008-10; **SC: V.**



**1986: GUPTA, Pushendra Kumar** (*b* 1936), PhD, Sp: Cytogenetics, Plant Breeding & Biotechnology; FASc, FNASc, FNAAS, Emeritus Professor, Department of Genetics and Plant Breeding, Chaudhary Charan Singh University, Meerut; F-119, Shastri Nagar, Meerut 250004 [Tel (0121) 276-8195 (Lab), 297-4526 (R); 94-116-19105, 63-953-72254 (M); Email [pkgupta36@gmail.com](mailto:pkgupta36@gmail.com), [pkgupta@ccsuniversity.ac.in](mailto:pkgupta@ccsuniversity.ac.in)]; INSA Senior Scientist (2003-06, 2015-16), INSA Honorary Scientist (2017-19); **SC: VI.**



**1995: GUPTA, Raj Krishan** (*b* 1946), PhD, Sp: Soil Science, Land Reclamation, Irrigation Water Quality and Conservation Agriculture; FNASc, FAAS, formerly Team Leader, Borlaug Institute for South Asia (BISA), Coordinator for Sustainable Land Management Project (Central Asia, ICARDA Tashkent) and Regional Facilitator of the Ecoregional Program (Rice Wheat Consortium for South Asian-Indo-Gangetic Plains), CIMMYT-India, NASC Complex, Pusa Campus, New Delhi; National Coordinator, NATP, ICAR, Krishi Bhawan, New Delhi; INSA Senior Scientist, Centre for Advancement of Sustainable Agriculture (CASA), NASC Complex, Pusa, New Delhi; B-4/205, First Floor, Sajdarjung Enclave, New Delhi 110029 [Tel (011) 2618-1175 (R), 97-110-09365 (M); Email [rajbisa2013@gmail.com](mailto:rajbisa2013@gmail.com)]; **Lecture:** Professor BD Tilak (2003); **SC: X.**





**2001: GUPTA, Satish Kumar** (b 1953), PhD, Sp: Reproductive Biology/ Immunology, Vaccine Development; FASc, FNASc, FAMS, ICMR-Emeritus Scientist, *Basic Medical Sciences Division, V Ramalingaswami Bhawan, Indian Council of Medical Research, Ansari Nagar, New Delhi 110029*; KG-04, Mahindra Aura, Bajghera Road, Sector 110A, Gurugram 122017 [Tel (0124) 490-5491 (R), 98-109-66357 (M); Email skgupta.nii53@gmail.com]; **Medal:** INSA Young Scientist (1982), Chandrakala Hora Memorial (2016); **Lecture:** Dr Nitya Anand Endowment (2003); **SC: IX.**



**2011: GUPTA, Sourendu** (b 1959), PhD, Sp: Theoretical High Energy Physics, Statistical Mechanics in Quantum Field Theory, Quantum Chromodynamics and Strong Interactions; Senior Professor, *Department of Theoretical Physics, Tata Institute of Fundamental Research, Mumbai 400005* [Tel (022) 2278-2245 (O), 2278-3245 (R); Email sgupta@tifr.res.in]; **SC: II.**



**1960: GUPTA, Suraj Narayan** (b 1924), PhD(Cantab), Sp: High Energy Physics; Distinguished Professor of Physics, *Wayne State University, Detroit, Michigan 48202, USA*; 30001 Hickory Lane, Franklin, Michigan 48025, USA [Tel (313) 577-2721 (O)]; **SC: II.**



**1997: GURJAR, Rajendra Vasant** (b 1950), PhD, Sp: Algebraic Geometry, Commutative Algebra; INSA Senior Scientist, *Department of Mathematics, Indian Institute of Technology Bombay, Powai, Mumbai 400076*; 1403 Whispering Woods, Powai Vihar Complex, Powai, Mumbai 400076 [Tel (022) 2576-7465 (O), 2570-0062 (R); 90-045-06661 (M); Fax 2572-3480; Email gurjar@math.iitb.ac.in]; **SC: I.**



**2010: GURU ROW, Tayur Narasingarow** (b 1951), PhD, Sp: X-Ray Crystallography, Structural Chemistry; FASc, INSA Senior Scientist, Professor, *Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560012*; 11, West Anjaneya Temple Road, Basavanagudi PO, Bengaluru 560004 [Tel (080) 2293-2796, 2293-3306, 2293-2336 Ext 2027 (O), 98-805-09225 (M); Fax 2360-1310; Email gururow@gmail.com, gururow@iisc.ac.in; Web <http://sscu.iisc.ac.in/faculty/guru-row/>]; **SC: III.**



**2021: HABIB, Saman** (b 1968), PhD, Sp: Malaria parasite biology, human genetic factors and malaria susceptibility; FASc, FNASc, Chief Scientist and Professor (AcSIR), *Division of Biochemistry & Structural Biology, CSIR-Central Drug Research Institute, Sector 10, Jankipuram Extension, Sitapur Road, Lucknow 226031*; 206, Heritage Apts., Madan Mohan Malviya Marg, Lucknow 226001 [Tel (0522) 277-2477 (O), 93-352-48113 (M); Fax 277-1941; Email saman.habib@gmail.com, saman\_habib@cdri.res.in]; **SC: VIII.**



**2013: HAIDER, Syed Aftab** (b 1958), PhD, Sp: Planetary Atmospheres, Ionospheres and Magnetospheres, Cometary Coma and Dust; FASc, FNASc, JC Bose National Fellow, Honorary Scientist-A, Co-ordinator of Planetary Science Division, *Physical Research Laboratory, Navrangpura, Ahmedabad 380009*; Bungalow 9, Unique Park Society, Sarkhej Road, Ahmedabad 380055 [Tel (079) 2631-4950 (O), 96-623-27992 (M); Fax 2631-4659; Email haider@prl.res.in]; **SC: IV.**

**2020: HAMIED, Yusuf Khwaja** (b 1936), PhD, ScD, DSc (*bc*), Sp: Steroid Chemistry, Applied Organic Chemistry; FRS, FRSC, Non-Executive Chairman, *Cipla Ltd.*, 289 Bellasis Road, Mumbai Central, Mumbai 400008; Windsor Villa, 2<sup>nd</sup> floor, Westfield Compound, Off B. Desai Road, Cumballa Hills, Mumbai 400026 [Tel (022) 2308-2891, 2309-5521 (O), 2369-8855, 2369-7740 (R), 88-799-70553, (+44) 79-796-90690 (M); Fax 2307-0013; Email [ykh@cipla.com](mailto:ykh@cipla.com)]; **NC**.



**1993: HANS-GILL, Rajinder Jeet (Mrs)** (b 1943), PhD, Sp: Geometry of Numbers, Number Theory, Discrete Geometry; FASc, FNASc, FTWAS, Emeritus Professor and INSA Honorary Scientist, *CAS in Mathematics, Panjab University, Chandigarh 160014*; 1611, Sector 44B, Chandigarh 160047 [Tel (0172) 254-1132 (O), 262-4837 (R); Email [hansgill@pu.ac.in](mailto:hansgill@pu.ac.in), [hansgillrj@yahoo.co.in](mailto:hansgillrj@yahoo.co.in)]; **Council**: Mem 2003-Oct 04, VP Oct 2004-2005; **SC**: I.



**2022: HARI, Kuchibhotla Venkata Subrahmanya** (b 1962), PhD, Sp: Signal Processing; FIETE, FNAE, FIEEE, Professor, *Department of ECE, Indian Institute of Science, Bengaluru 560012*; NE-119, Block 10, New Housing Colony, Indian Institute of Science, Bengaluru 560012 [Tel (080) 2293-2745 (O), 2360-2868 (R), 98-451-57567 (M); Email [hari@iisc.ac.in](mailto:hari@iisc.ac.in)]; **SC**: V.



**2017: HARINARAYANA, Kota** (b 1943), PhD, Sp: Aeronautical Engineering; FNASc, FASc, FNAE, SERB Distinguished Fellow, CSIR-NAL, Founder, General Aeronautics Pvt. Ltd., Chairman, BOG, IIT BHU; *NEB 3/401, Shriram Spandana, Challaghatta, off Wind Tunnel Road, Bengaluru 560037* [Tel (080) 4201-9017 (R), 98-807-96012 (M); Email [hnkota@yahoo.com](mailto:hnkota@yahoo.com)]; **NC**.



**2021: HARITSA, Jayant Ramaswamy** (b 1964), PhD, Sp: Computer Science (Database Systems); FNASc, FNAE, FASc, FIEEE, FACM, JC Bose National Fellow, Professor (HAG Scale), *Department of Computational & Data Sciences, Indian Institute of Science, Sir CV Raman Road, Bengaluru 560012*; 17/1 Vani Vilas Road, Basavanagudi, Bengaluru 560004 [Tel (080) 2293-2793 (O), 94-490-15894 (M); Fax 2360-2648; Email [jharitsa@gmail.com](mailto:jharitsa@gmail.com)]; **SC**: V.



**2006: HASAN, Gaiti** (b 1956), PhD, Sp: Molecular Genetics, Intracellular Calcium Signalling and Neurobiology; FTWAS, SERB Distinguished Fellow, *National Centre for Biological Sciences, Tata Institute of Fundamental Research, GKVK Campus, Bellary Road, Bengaluru 560065*; No 93-94, 10th Main, Rajmahal Vilas Extn, Bengaluru 560080 [Tel (080) 2366-6140 (O), 2361-3640 (R); Fax 2363-6462; Email [gaiti@ncbs.res.in](mailto:gaiti@ncbs.res.in); Web [http://www.ncbs.res.in/gaiti/groups\\_gaiti.htm](http://www.ncbs.res.in/gaiti/groups_gaiti.htm)]; **Lecture**: Professor Darshan Ranganathan Memorial (2019); **Council**: VP 2020-; **SC**: VII.





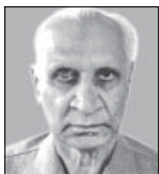
**1999: HASNAIN, Seyed Ehtesham** (b 1954) PhD, DSc (*bc*), DMedSc (*bc*), Sp: Functional Biology, Molecular Pathogenesis, New Diagnostics and Novel Interventions against Human Pathogens particularly *M. tuberculosis*; FASc, FNASc, FTWAS, Member, German National Acad Sci, Leopoldina, Fellow, American Academy of Microbiology; National Science Chair Awardee and Honorary Professor, Department of Biochemical Engineering and Biotechnology, Indian Institute of Technology Delhi; formerly Invited Professor, Kusuma School of Biological Sciences (2011-19), IIT Delhi, New Delhi; Distinguished Professor, School of Basic Sciences & Research, Sharda University, Greater Noida [Email [sehiitd@gmail.com](mailto:sehiitd@gmail.com), [seh@dbbeb.iitd.ac.in](mailto:seh@dbbeb.iitd.ac.in), [seyed.hasnain@sharda.ac.in](mailto:seyed.hasnain@sharda.ac.in); Web <http://www.seyedehasnain.org>, <http://www.isogem.org/hasnain.html>, <http://www.iitd.ac.in>]; **Lecture:** Dr Nitya Anand Endowment (2005), Dr Y SubbaRow Memorial (2008); **Council:** Mem 2003-05; **SC: VII.**



**2010: HOSUR, Madhusoodan Vijayacharya** (b 1950), PhD, Sp: Biophysics, X-ray Crystallography; INSA Senior Scientist, *National Institute of Advanced Studies, Indian Institute of Science Campus, Bengaluru 560012*; C-4/8, Kendriya Vihar, Sector 11, Kharghar, Navi Mumbai 410210 [Tel (022) 2740-5142 (O), 2774-1682 (R), 98-219-88370 (M); Email [hosurmv@gmail.com](mailto:hosurmv@gmail.com)]; **SC: VIII.**



**1995: HOSUR, Ramakrishna Vijayacharya** (b 1953), PhD, Sp: Biophysical Chemistry, NMR, Structural Biology; FASc, FNASc, FTWAS, Fellow ISMAR; Raja Ramanna Fellow, *UM-DAE Centre for Excellence in Basic Sciences, Mumbai University Campus, Kalina, Mumbai 400098*; Distinguished Visiting Professor, Department of Biosciences and Bioengineering, IIT Bombay, Powai 400076; Honorary Professor, Department of Biophysics, University of Mumbai, Kalina 400078 [Tel 99-870-51556, 77-387-77336 (M); Email [hosur@tifr.res.in](mailto:hosur@tifr.res.in), [rvhosur53@gmail.com](mailto:rvhosur53@gmail.com)]; **Medal:** INSA Young Scientist (1984); **Lecture:** Professor RK Asundi Memorial (1998), Dr Jagdish Shankar Memorial (2003); **Council:** Mem 2008-10; **SC: III.**



**1983: HUSAIN, Akhtar** (b 1928), PhD, Sp: Plant Pathology; FNAAS, formerly Director, CIMAP, Lucknow & VC, Jamia, Hamdard; 50, *Adil Nagar, Kalyanpur, Lucknow 226022* [Tel (0522) 275-2479 (R)]; **SC: X.**



**2002: ILA, Hiriya Kannavar** (b 1944), PhD, Sp: Synthetic and Medicinal Chemistry; FASc, Hindustan Lever Research Professor, *Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur, Bengaluru 560064*; Apt 002, Block 8, Heritage Estate, Yelahanka, Bengaluru 560064 [Tel (080) 2208-2714 (O), 2366-4357 (R), 99-019-96421 (M); Email [hila@jncasr.ac.in](mailto:hila@jncasr.ac.in)]; **SC: III.**



**2018: INAMDAR, Maneesha Shreedhar** (b 1967), PhD, Sp: Stem Cell Biology, Cardiovascular Development, Hematopoiesis, Angiogenesis; FASc, Professor and Chair, *Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur PO, Bengaluru 560064* [Tel (080) 2208-2818 (O); Email [inamdar@jncasr.ac.in](mailto:inamdar@jncasr.ac.in)]; **SC: VII.**



**2001: IQBAL, Javed** (b 1947), PhD, Sp: Organic and Medicinal Chemistry; FASc, Founder and Chairman, Renovis Pharma Laboratories Ltd., Hyderabad; Adjunct Professor, Department of Chemistry, IIT-ISM, Dhandbad; Adjunct Professor, School of Molecular Sciences, La Trobe University, Melbourne, Australia [Tel 98-497-99444 (M); Email [prof.javediqbal@gmail.com](mailto:prof.javediqbal@gmail.com), [javed@renovislabs.com](mailto:javed@renovislabs.com)]; **Council:** Mem 2003-05; **SC: III.**

**1989: JACOB, Kallarackel Thomas** (b 1944), PhD, DSc Engg (Lond), Sp: Materials Science and Processing, Thermodynamics of Materials, Phase Equilibria, Materials Extraction, Fuel Cells and Solid State Sensors, High Temperature Corrosion; FASc, FNASc, FNAE, Emeritus Professor and NASI Senior Scientist Platinum Jubilee Fellow, *Department of Materials Engineering, Indian Institute of Science, Bengaluru 560012*; 210, Indira Nagar, Stage I, 7th Cross, Bengaluru 560038 [Tel (080) 2293-2494 (O), 2525-2765 (R), 98-454-79865 (M); Fax 2360-0472; Email katob@iisc.ac.in]; **Medal:** Professor Brahm Prakash Memorial (1998), SH Zaheer (2007); **SC: V.**



**2014: JAGANNATHAN, Naranamangalam Raghunathan** (b 1954), PhD, Sp: Clinical and Pre-clinical Cancer Research using Molecular Imaging/Magnetic Resonance Imaging (MRI) & in-vivo NMR Spectroscopy/Functional MRI Studies/NMR Metabolomics/Biophysics; FASc, FNASc, FAMS, JC Bose National Fellow, Professor of Eminence, *Chettinad Hospital & Research Institute, Kelambakkam, Chennai 603103* & Visiting Professor, *Department of Radiology, Sri Ramachandra Institute of Higher Education and Research, Porur, Chennai 600116* & Adjunct Professor, *Department of Electrical Engineering, IIT Madras, Chennai 600036*; Villa B-7 (GF), Chettinad Health City, Rajiv Gandhi Salai, Kelambakkam, Chennai 603103 [Tel 99-682-92772 (M); Email jagan1954@hotmail.com, nrjgi@yahoo.co.in]; **Lecture:** JL Nehru Birth Centenary (2020); **Council:** VP 2017-19; **SC: IX.**



**2005: JAIN, Arvind Kumar** (b 1944), PhD, Sp: Geology, Structural Geology & Tectonics; INSA Honorary Scientist, *CSIR-Central Building Research Institute, Roorkee 247667*; formerly Professor, Department of Earth Sciences, IIT Roorkee, Roorkee; 483, Solani Puram, Roorkee 247667 [Tel 94-120-74235 (M); Email himalfes@gmail.com]; INSA Senior Scientist (2011-15); **SC: IV.**



**1981: JAIN, Dharam Vir Singh** (b 1933), PhD (S Calif), Sp: Physical & Theoretical Chemistry; FASc, FNASc, Department of Chemistry, Panjab University, Chandigarh 160014; formerly Professor of Physical Chemistry & Director, RSIC, Panjab University, Chandigarh; 1529, Sector 49-B, Pushpac Complex, Chandigarh 160047 [Tel (0172) 253-4415 (O), 507-2127 (R), 95-692-13466, 79-865-12829 (M); Fax 254-5074; Email dvsjain@pu.ac.in, dvsjain@yahoo.com]; **Lecture:** JL Nehru Birth Centenary (1999); INSA Senior Scientist (1996-2001), INSA Honorary Scientist (2006-15); **Council:** Ed Pub 1987-90, Sec 1994-96; **SC: III.**



**2019: JAIN, Neeraj** (b 1960), PhD, Sp: Neuroscience; FNASc; Professor, *Department of Bioscience and Bioengineering, Indian Institute of Technology Jodhpur, NH 62, Karwar, Jodhpur 342037*; formerly Director, *National Brain Research Centre, Manesar, Gurgaon* [Tel (0291) 280-1216 (O), 98-104-46444 (M); Email neeraj.jain@iitj.ac.in, neerajain4e4a@gmail.com; Web <http://neerajlab.weebly.com>]; **SC: IX.**



**1978: JAIN, Padam Chand** (b 1930), PhD, Sp: Numerical Mathematics, Computational Algorithms; FNASc, formerly Professor & Head, Department of Mathematics, IIT, Mumbai; 3389, Sector D/3, Vasant Kunj, New Delhi 110070 [Tel (011) 4602-4055 (R)]; **SC: I.**





**1992: JAIRAJPURI, Mohammad Shamim** (*b* 1942), PhD, DSc, Sp: Nematology, Parasitology Taxonomy, Biological Diversity; FASc, FNASc, FNAAS, FTWAS, INSA Emeritus Scientist & Adjunct Professor of Nematology, IARI, New Delhi 110012; formerly Professor of Zoology, Aligarh Muslim University, Aligarh 202002; formerly VC, MANUU, Hyderabad & Director, Zoological Survey of India; *Flat No. 104, First Floor, 274-Aslam Manzil, Block-B, Jamia Nagar (Okhla Village), New Delhi 110025* [Tel 95-409-81665 (O & R); Email msjairajpuri@gmail.com]; **Lecture:** Professor Har Swarup Memorial (2000); **Visiting Fellowship:** JL Nehru Birth Centenary (2004); INSA Honorary Scientist (2009-15); **Council:** Mem 1995-97, VP 2001-03; **SC: VI.**



**2004: JAMEEL, Shahid** (*b* 1957), PhD, Sp: Virology; FASc, FNASc, Visiting Professor, *Ashoka University, Rajiv Gandhi Education City, Sonapat, Haryana 131029*; 26, Zakir Bagh, New Delhi 110025 [Tel (0130) 230-0000 (O), (011) 2684-0631 (R); Email shahid.jameel@ashoka.edu.in; Web <http://www.ashoka.edu.in>]; **Lecture:** Dr MR Das Memorial (2008); **SC: IX.**



**2020: JASRA, Raksh Vir** (*b* 1952), PhD, Sp: Catalysis, Adsorption, Petrochemicals, R&D Leadership, NanoPorous Materials; FNAE, Senior Vice-President (R&D), *R&D Centre, Reliance Industries Ltd., P.O. Petrochemicals, Vadodara 391346*; B-245, Sundervan Housing Society, New Sama Road, Vadodara 390024 [Tel (0265) 284-2304, 261-6313 (O), 271-1986 (R), 97-243-14454 (M); Email rakshvir.jasra@ril.com, rvjasra@gmail.com]; **SC: III.**



**2017: JAYAKRISHNAN, Athipettah** (*b* 1953), PhD, Sp: Polymer Chemistry, Biomaterials; FASc, Raja Ramanna Fellow, *Rajiv Gandhi Centre for Biotechnology, Jagathy, Trivandrum 695014*; TC39/2221, Seventh Day School Road, Thirumala P.O., Trivandrum 695006 [Tel (0471) 278-1279 (O), 235-3309 (R), 99-467-92226 (M); Email jayakrishnan1953@gmail.com, jayakrishnana@rgcb.res.in]; **SC: III.**



**2021: JAYANANDA, Mudlappa** (*b* 1959), PhD, Sp: Petrology, Solid Earth Geochemistry and Tectonics; FASc, FNASc, Professor, *Centre for Earth, Ocean and Atmospheric Sciences, University of Hyderabad, Prof. CR Rao Road, Gachibowli, Hyderabad 500046*; No. G3, Satyam Block, Fortune Kumkum Heights, Masjid Banda, Kondapur, Hyderabad 500084 [Tel (040) 2321-2669 (O), 95-607-14425, 86-184-21127 (M); Email mjayan.geol@gmail.com]; **SC: IV.**



**2002: JAYANNAVAR, Arun Mallojirao** (*b* 1956), PhD, Sp: Condensed Matter Physics (Theory); FASc, FNASc, Senior Professor, *Institute of Physics, PO Sainik School, Bhubaneswar 751005*; Institute of Physics Campus, PO Sainik School, Bhubaneswar 751005 [Tel (0674) 230-6404 (O), 99-372-03925 (M); Fax 230-0142; Email jayan@iopb.res.in]; **SC: II.**



**2010: JAYARAM, Vikram** (*b* 1956), PhD, Sp: Materials Science and Engineering; FASc, FNASc, FNAE, Professor, *Department of Materials Engineering, Indian Institute of Science, Bengaluru 560012*; M204, Brigade Gateway, 26/1 Dr Rajkumar Road, Malleswaram West, Bengaluru 560055 [Tel (080) 2293-3243, 2293-2263 (O), 96-633-68667 (M); Fax 2360-1198, 2360-0472; Email qjayaram@iisc.ac.in, qjayaram@yahoo.com]; **SC: V.**

**1998: JEMMIS, Eluvathingal Devassy** (*b* 1951), PhD (Princeton), Sp: Theoretical and Computational Chemistry; FASc, FNASc, FTWAS, Year of Science Chair Professor-SERB, *Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bengaluru 560012*; formerly Director, IISER, Thiruvananthapuram; No. 324, Embassy Heritage, 8th Main Road, Malleshwaram, Bengaluru 560055 [Tel (080) 2293-3347/48 (Lab), 2367-0324 (R), 94-835-98097 (M); Fax 2360-1552; Email [jemmis@gmail.com](mailto:jemmis@gmail.com), [jemmis@iisc.ac.in](mailto:jemmis@iisc.ac.in); Web <http://ipc.iisc.ac.in/edj.php>]; **Medal:** INSA Young Scientist (1982), AK Bose Memorial (1988), Golden Jubilee Commemoration (Chem Sc) (2019); **Lecture:** Dr Jagdish Shankar Memorial (2000); **Council:** Mem 2012-14; **SC: III.**



**2015: JHA, Bhavanath** (*b* 1958), PhD, Sp: Plant Molecular Biology & Biotechnology, Stress Genomics, Coastal & Marine Biotechnology, Gene Mining and Translational Research; FNASc, FNAAS, formerly Chief Scientist & Divisional Chair, Marine Biotechnology and Ecology Division, CSIR-Central Salt and Marine Chemicals Research Institute, G.B. Marg, Bhavnagar 364002, Gujarat; *Flat No. 401, RGS GREEN Apartments, Opposite Gate No. 32A, Rajapur, Patna 800001, Bihar* [Tel 94-272-32120, 70-162-34913 (M); Email [jha.bhavanath@gmail.com](mailto:jha.bhavanath@gmail.com)]; **SC: VII.**



**1979: JHA, Sudhanshu Shekhar** (*b* 1940), PhD (Stanford), Sp: Solid State Physics & Optoelectronics; FASc, FNASc, FTWAS, Honorary Professor, UM-DAE Centre for Excellence in Basic Sciences, Mumbai; formerly Director, TIFR, Mumbai and Distinguished Guest Professor, IIT Bombay, Powai, Mumbai; *402, Vigyanshila, Jubu-Versova Link Road, 7 Bungalows, Andheri (W), Mumbai 400061* [Tel (022) 2632-7413 (R), 98-924-98234 (M); Email [ss\\_jhain@hotmail.com](mailto:ss_jhain@hotmail.com)]; **Medal:** SN Bose (1992); **Lecture:** JL Nehru Birth Centenary (1991); **Council:** Mem 1999-2001; **SC: II.**



**2000: JHUNJHUNWALA, Ashok** (*b* 1953), PhD, Sp: Decentralized Solar Power Systems, Electric Vehicles, Telecommunication, Wireless Communications, Computer Networks, Fibre Optics, Industry-Academia Interaction; FNA, FASc, FNASc, FNAE, FIEEE, Institute Professor, *Indian Institute of Technology Madras, Chennai 600036* [Tel (044) 2257-0120, 6646-9815 (O); Email [ashok@tenet.res.in](mailto:ashok@tenet.res.in); Web <http://www.tenet.res.in>]; **Lecture:** JL Nehru Birth Centenary (2006); **Council:** Mem 2008-10; **SC: V.**



**2013: JOG, Chanda Jayant** (*b* 1954), PhD, Sp: Astrophysics of Galaxies; FASc, FNASc, FTWAS, Professor, *Department of Physics, Indian Institute of Science, Bengaluru 560012*; Apt 1B, Vastra Bhavan, No. 64, 4th Main, off 18th Cross, Malleshwaram, Bengaluru 560055 [Tel (080) 2293-3285, 2360-7703 (O); Fax 2360-2602; Email [cjog@iisc.ac.in](mailto:cjog@iisc.ac.in); Web <http://www.physics.iisc.ac.in/~cjog/>]; **Medal:** HJ Bhabha (2017); **Council:** Mem 2017-19; **SC: II.**



**1997: JOHN, Thekkekara Jacob** (*b* 1935), MBBS, PhD, Sp: Medicine: Paediatrics, Microbiology & Virology; FASc, FNASc, FRCP, formerly Professor & Head, Department of Clinical Virology, Christian Medical College & Hospital, Vellore 632004; *Thekkekara, 439 Civil Supplies Godown Lane, Vellore 632002* [Tel (0416) 226-7364 (R), 78-453-38188 (M); Email [tjacobjohn@yahoo.co.in](mailto:tjacobjohn@yahoo.co.in)]; **Lecture:** Dr TS Tirumurti Memorial (2003); **SC: IX.**





**1993: JOHRI, Man Mohan** (*b* 1940), PhD, Sp: Molecular Biology of Plants; FASc, formerly Professor and Chair, Department of Biological Sciences, TIFR, Mumbai; 32, *New Cosmos, Juhu-Versova Link Road, Andheri (W), Mumbai 400053* [Tel (022) 2670-3270 (R), 99-305-64129 (M); Email [mjohri06915@yahoo.co.in](mailto:mjohri06915@yahoo.co.in)]; **Lecture:** BN Chopra (1995); **Council:** Mem 2003-05; **SC: VII.**



**2011: JOSEPH, Kayyunnagara Thomas** (*b* 1956), PhD, Sp: Hyperbolic Conservation Laws and Parabolic PDES, Boundary Layers and Delta Shocks; FASc; No. 31, Sri Guru Deepam, Flat No. 201, 2<sup>nd</sup> Cross, 4<sup>th</sup> Main Santhosh Nagar, Attur, Yelahanka, Bengaluru 560064 [Tel 72-591-50130 (M); Email [ktj@tifrbng.res.in](mailto:ktj@tifrbng.res.in)]; **SC: I.**



**2011: JOSHI, Amitabh** (*b* 1965), PhD, Sp: Evolutionary Genetics and Population Ecology; FASc, FNASc, JC Bose National Fellow, Professor, *Evolutionary and Organismal Biology Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur, Bengaluru 560064* [Tel (080) 2208-2802 (O) 2208-2803 (Lab), 93-413-54233 (M); Fax 2208-2766; Email [ajoshi@jncasr.ac.in](mailto:ajoshi@jncasr.ac.in)]; **Lecture:** Professor Har Swarup Memorial (2017); **SC: VI.**



**2013: JOSHI, Arun Kumar** (*b* 1958), PhD, Sp: Agricultural Sciences; CIMMYT Asia Regional Representative & Director Borlaug Institute for South Asia (BISA), *International Maize and Wheat Improvement Center (CIMMYT), G-2, B-Block, NASC Complex, DPS Marg, New Delhi 110012* [Tel (011) 2584-2940, 2584-2938 (O), 94-152-21526 (M); Email [joshi\\_vns@yahoo.com](mailto:joshi_vns@yahoo.com), [a.k.joshi@cgiar.org](mailto:a.k.joshi@cgiar.org)]; **SC: X.**



**1995: JOSHI, Jyeshtharaj Bhalchandra** (*b* 1949), PhD (Tech), Sp: Chemical Engineering; FASc, FNASc, FNAE, FTWAS, Emeritus Professor of Eminence, Institute of Chemical Technology; Emeritus Professor, *Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai 400094*; 401, Shubh Ashirwad Society, 5th Lane, Hindu Colony, Dadar East, Mumbai 400014 [Tel (022) 2559-7625 (O), 2411-5448 (R); Fax 3361-1020; Email [jbjoshi@gmail.com](mailto:jbjoshi@gmail.com)]; **Medal:** INSA Young Scientist (1981), Vishwakarma (2000), SH Zaheer (2008); **SC: V.**



**2013: JOSHI, Pankaj Shantilal** (*b* 1953), PhD, Sp: Gravitation Theory and Cosmology; FNASc, Vice-Chancellor (Provost) & Founding Director, *International Center for Cosmology (ICC), CHARUSAT University, Anand 388421* [Tel (02697) 265-011/21 (O); Fax 265-007; Email [psjcosmos@gmail.com](mailto:psjcosmos@gmail.com)]; **Medal:** INSA-Vainu Bappu Memorial (2019); **SC: II.**



**2007: JOSHIPURA, Anjan Sidhvantlal** (*b* 1950), PhD, Sp: High Energy Physics; FASc, FNASc, *Theoretical Physics Group, Physical Research Laboratory, Navarangpura, Ahmedabad 380009*; N104, Indraprastha 6, Prahaladnagar, Ahmedabad 380051 [Tel (079) 4005-8842 (R); Fax 2631-4460; Email [anjanjoshipura@gmail.com](mailto:anjanjoshipura@gmail.com)]; **SC: II.**

**2012: JOY, Keerikkattil Paily** (b 1950), PhD, Sp: Neuroendocrinology, Reproductive Endocrinology; INSA Senior Scientist, Cochin University of Science and Technology, Department of Biotechnology & Former Professor, Head of Department and Coordinator, CAS, Department of Zoology, Banaras Hindu University, Varanasi 221005; *Keerikkattil, Vadavancode P.O., Ernakulam, Kerala 682310* [Tel 82-812-74891, 91-885-02891 (M); Email kpjoy@bhu.ac.in, kpjoybhu@gmail.com, keerikkattilpailyjoy@yahoo.com]; INSA Senior Scientist (2015-18), INSA Emeritus Scientist (2018-19); **SC: VII.**



**1990: JUNJAPPA, Hiriyaaknavar** (b 1936), PhD, Sp: Synthetic and Mechanistic Organic Chemistry; FASc, Research Professor, Chemistry Research Unit, REVA Institute of Science and Management, Kattigenahalli, Yelahanka, Bengaluru 560064; formerly Professor & Head, Department of Chemistry, North Eastern Hill University, Shillong; *Flat No. 002, Block 8, Heritage Estate, Doddaballapur Road, Yelahanka, Bengaluru 560064* [Tel (080) 2366-4357 (R), 98-453-72078 (M); Email junjappa\_123@rediffmail.com]; INSA Senior Scientist (2012-15), INSA Honorary Scientist (2017-19); **SC: III.**



**2013: KAILAS, Swaminathan** (b 1949), PhD, Sp: Accelerator Based Nuclear Physics and Applications; FASc, INSA Senior Scientist, *UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai, Mumbai 400098*; formerly Director, Physics Group, BARC, Mumbai; 501 Tulip, Neelkanth Gardens Govandi, Mumbai 400088 [Tel 2551-2291 (R), 98-190-66226, 99-691-53075 (M); Email drskailas@rediffmail.com, swaminathankailas305@gmail.com, kailas@cbs.ac.in]; **SC: II.**



**1989: KAMBOJ, Ved Prakash** (b 1937), PhD, DSc, Sp: Drug/Vaccine Development, Reproductive Biology, Contraception and Endocrinology; FNASc, Mem NYASc, formerly Director, CDRI, Lucknow and formerly Chairman, BIBCOLD, Bulandshahar; NASI Honorary Scientist, Biotech Park, Lucknow; *C-1111, Opposite Church, Indira Nagar, Lucknow 226016* [Tel (0522) 235-4050 (R); Fax 262-3405, 262-3938; Email kambojvp@yahoo.com, kambojvp@rediffmail.com]; INSA Honorary Scientist (2008-15); **Council:** Ad Mem 1998-99, 2007, Mem 2008-10; **SC: VI.**



**2004: KAMRA, Adarsh Kumar** (b 1944), PhD, Sp: Atmospheric Sciences; FASc, INSA Emeritus Scientist, *Indian Institute of Tropical Meteorology, Dr Homi Bhabha Road, Pashan, Pune 411 008*; 203, Tulip, The Cosmopolitan Housing Society, Aundh, Pune 411007 [Tel (020) 2590-4281 (O), 2588-7270 (R); Fax 2586-5142; Email kamra@tropmet.res.in]; INSA Honorary Scientist (2014-19); **SC: IV.**



**2016: KANG, Gagandeep** (b 1962), MBBS, MD, PhD, FRCPath, Sp: Medicine, Microbiology, Vaccines, Enteric Infections, Public Health; FASc, FNASc, Fellow, American Academy of Microbiology, FRS, Professor, *The Wellcome Trust Research Laboratory, Division of Gastrointestinal Sciences, Christian Medical College, Vellore 632004*; 313, Ring Road, CMC Campus, Bagayam, Thorapadi Post, Vellore 632002 [Tel (0416) 228-2052 (O), 228-4266 (R), 98-940-70266 (M); Fax 228-2294; Email gkang@cmcvellore.ac.in, wellcome@cmcvellore.ac.in]; **Medal:** Meghnad Saha (2021); **SC: IX.**

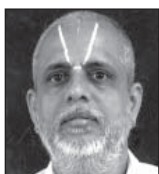




**2019: KANJILAL, Dinakar** (*b* 1955), PhD, Sp: Material Sciences & Engineering, Condensed Matter Physics, Accelerator Physics; FNASc, DAE Raja Ramanna Fellow & Former Director, *Inter-University Accelerator Centre (IUAC), Aruna Asaf Ali Marg, New Delhi 110067*; B-225, Prodyogiki Appt, Plot 11, Sector-3, Dwarka, New Delhi 110078 [Tel (011) 2412-6018 (O), 98-687-16629 (M); Fax 2412-6041; Email [dkuiac@gmail.com](mailto:dkuiac@gmail.com), [dk@iuac.res.in](mailto:dk@iuac.res.in)]; **SC: II.**



**1987: KANNAN, Kazhiur Kothandapani** (*b* 1939), PhD, Sp: Macromolecular Crystallography, Molecular Biology; FASc, formerly Scientific Officer, Solid State Physics Division, Atomic & Condensed Matter Physics Group, BARC, Mumbai; *F206, Redwood, Raheja Residency, Koramangala, 3rd Block, Bengaluru 560034* [Tel (080) 2550-5829 (R), 87-627-80061 (M); Email [kannan\\_99@yahoo.com](mailto:kannan_99@yahoo.com)]; **Lecture:** JL Nehru Birth Centenary (1992); INSA Senior Scientist (1998-02); **Council:** Sec 1993-95; **SC: VIII.**



**1994: KANNAN, Varadachariar** (*b* 1946), PhD, Sp: Mathematical Analysis & Topology; FASc, FNASc, Professor, SRM University AP, Amaravati; *1-1448, Koneru Street, Mangalagiri, Guntur Dt., Andhra Pradesh 522503* [Tel 99-491-93737 (M); Email [vksm.uoh@nic.in](mailto:vksm.uoh@nic.in), [kannan.v@srmmap.edu.in](mailto:kannan.v@srmmap.edu.in)]; **Council:** Mem 2007-09; **SC: I.**



**2022: KANT, Rama** (*b* 1963), PhD, Sp: Theoretical and Experimental Electrochemistry, Theoretical Polymer Physics and Complex Systems; FASc, Professor, *Department of Chemistry, University of Delhi, Delhi 110007*; C820, DDA Rohini Heights, Sector 29, Rohini, New Delhi-110042 [Tel (011) 2766-6646 Ext 188 (O), 98-105-77668 (R); Fax 2766-6605; Email [rkant@chemistry.du.ac.in](mailto:rkant@chemistry.du.ac.in), [rama\\_kant\\_99@yahoo.com](mailto:rama_kant_99@yahoo.com)] **SC: III.**



**2007: KANT, Tarun** (*b* 1946), PhD, Sp: Solid & Structural Mechanics; FASc, FNASc, FNAE, Professor Emeritus, *Department of Civil Engineering, Indian Institute of Technology Bombay, Powai, Mumbai 400076*; 201, Shree Ram Niwas, Opp. IIT Bombay, IIT Market, Powai, Mumbai 400076 [Tel (022) 2576-7301 (O), 99-691-64646 (M); Email [tkant@civil.iitb.ac.in](mailto:tkant@civil.iitb.ac.in), [tkant1946@gmail.com](mailto:tkant1946@gmail.com); Web <http://www.civil.iitb.ac.in/~tkant/>; **Medal:** Professor Brahm Prakash Memorial (2019); **Council:** Mem 2020-; **SC: V.**



**1984: KAPOOR, Shyam Sunder** (*b* 1938), PhD, Sp: Nuclear Physics, Particle Detectors, Particle Accelerators & Applications; FASc, FNASc, INSA Emeritus Scientist, formerly DAE Homi Bhabha Professor and Director, Physics and Electronics & Instrumentation Groups, BARC, Mumbai; *A-3, Banganga, Govandi Station Road, Deonar, Mumbai 400088* [Tel (022) 2550-4301 (R), 93-235-04942 (M); Email [kapoorss2002@yahoo.co.in](mailto:kapoorss2002@yahoo.co.in)]; INSA Honorary Scientist (2008-15); **Council:** Mem 1996-98; **SC: II.**



**2015: KAPURIA, Santosh** (*b* 1968), PhD, Sp: Structural Mechanics, Multifunctional Structures; FASc, FNASc, FNAE, JC Bose National Fellow and Professor, *Department of Applied Mechanics, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016*; Former Director, *CSIR-Structural Engineering Research Centre, Taramani, Chennai 600113*; 18 Vikramshila, IIT Campus, Hauz Khas, New Delhi 110016 [Tel (011) 2659-1218 (O), 2658-1563 (R), 96-547-28776 (M); Email [kapuria@am.iitd.ac.in](mailto:kapuria@am.iitd.ac.in)]; **SC: V.**

**2014: KAR, Premashis** (*b* 1950), MD, DM, PhD, Sp: Gastroenterology; FRCP, FAMS, INSA Senior Scientist, Director and Head, Department of Gastroenterology and Hepatology, Max Super Speciality Hospital, W-3 Sector-1, Vaishali 201012, Ghaziabad; formerly Director, Professor of Medicine & Gastroenterologist, New Delhi; *House No-B001, Pragjyotishpur Apartments, Plot No-7, Sector 10, Dwarka, New Delhi 110075* [Tel (011) 2808-4181 (R), 98-110-42164 (M); Email [premahishkar@gmail.com](mailto:premahishkar@gmail.com)]; **SC: IX.**



**2006: KARANDIKAR, Rajeeva Laxman** (*b* 1956), PhD, Sp: Probability and Statistics; FASc, Professor Emeritus, *Chennai Mathematical Institute, H1 SIPCOT IT Park, Siruseri 603103, Chennai* [Tel (044) 7196-1006 (O), 81-448-13296 (M); Fax 2747-0225; Email [rkarandikar@gmail.com](mailto:rkarandikar@gmail.com), [rlk@cmi.ac.in](mailto:rlk@cmi.ac.in)]; **Medal:** INSA Young Scientist (1985); **Council:** Mem 2013-15; **SC: I.**



**1994: KARTHA, Vasudevan Bhaskaran** (*b* 1934), PhD, Sp: Analytical Spectroscopy, Atomic & Molecular Physics, Laser Biomedical Applications; FASc, Advisor, Department of Atomic and Molecular Physics, Manipal University, Manipal 576104; *Apt. 007, BLESS HOMES Pvt. Ltd, Chembarakky, S. Vazhakkulam, Aluva 683105, Kerala* [Email [sbkartha@hotmail.com](mailto:sbkartha@hotmail.com), [bhasikartha@gmail.com](mailto:bhasikartha@gmail.com)]; **Lecture:** Professor KR Rao Memorial (1991); **SC: III.**



**2014: KASBEKAR, Durgadas Prabhakar** (*b* 1956), PhD, Sp: Fungal Genetics and Molecular Biology; FASc, INSA Senior Scientist, *Centre for DNA Fingerprinting and Diagnostics, Inner Ring Road, Uppal, Hyderabad 500039; K-127, Vaishali Garden Apartments, Street No. 20, Tarnaka, Hyderabad 500017* [Tel (040) 2721-6000 (O), 2717-3903 (R), 89-782-51840 (M); Fax 2721-6006; Email [kas@cdfd.org.in](mailto:kas@cdfd.org.in)]; **SC: VII.**



**1979: KASTURI, Tirumalai Rangachar** (*b* 1931), PhD, DSc, Sp: Synthetic & Mechanistic Organic Chemistry; FASc, INSA Senior Scientist, formerly Professor, Department of Organic Chemistry, IISc, Bengaluru; *237, Senator Place, Cincinnati, 45220, Ohio, USA* [Tel (+1) (513) 827-1015; Email [premakasturi@yahoo.in](mailto:premakasturi@yahoo.in)]; **SC: III.**



**1989: KASTURIRANGAN, Krishnaswamy** (*b* 1940), PhD, DSc (*hc*), Sp: Experimental Astronomy, Satellite Technology & Remote Sensing Systems; FASc, FNASc, FNAE, FTWAS, Honorary Distinguished Advisor, Indian Space Research Organisation; Distinguished Professor Emeritus, National Institute of Advanced Studies, Indian Institute of Science Campus, Bengaluru 560012; *Flat No. 1002, Alder 1, Godrej Woodman Estate, Bellary Road, Hebbal, Bengaluru 560024* [Tel (080) 2361-0522 (O); Fax 2361-0492; Email [k.rangan@gov.in](mailto:k.rangan@gov.in)]; **Medal:** Aryabhata (2000); **Council:** Mem 1993-94; **SC: V.**



**2009: KATOCH, Vishwa Mohan** (*b* 1953), MD, Sp: Microbiology and Molecular Biology of Mycobacteria/Mycobactriology; FASc, FNASc, FAMS, former Secretary, Department of Health Research and former Director General, Indian Council for Medical Research; *B-16, Govind Marg, Opposite Baraf Khana, Raja Park, Jaipur 302004* [Tel 99-100-53701 (M); Email [vishwamohan\\_katoch@yahoo.co.in](mailto:vishwamohan_katoch@yahoo.co.in)]; **SC: IX.**





**2006: KAUL, Deepak** (*b* 1953), PhD, FRCPath(Lond), Sp: Molecular Medicine, Functional Genomics, Genomic-Immunity; FICA, FWAAS, Founder-Professor, Molecular Biology Unit, Senior Professor & Head, *Department of Experimental Medicine & Biotechnology, Postgraduate Institute of Medical Education & Research, Chandigarh 160012*; HNo. 1041, Sector-37B, Chandigarh 160036 [Tel (0172) 275-5228, 275-5233 (O), 268-6434 (R); Fax 274-4401; Email dkaul\_24@hotmail.com, dkaul235@gmail.com]; **SC: IX.**



**1998: KAUL, Romesh Kumar** (*b* 1952), PhD, Sp: Quantum Field Theory, High Energy Physics & Quantum Gravity; FASc, Department of Physics, *IIT Jammu, Jagti, Jammu, J&K 181221* [Tel 94-449-24065 (M); Email kaul@imsc.res.in]; **Medal:** INSA Young Scientist (1982); **SC: II.**



**2007: KAUL, Sharika Nandan** (*b* 1949), DIIT, PhD, Sp: Condensed Matter Physics, Materials Science, Nanoscience and Nanotechnology; FASc, JC Bose National Fellow, Coordinator, Center for Nanotechnology, University of Hyderabad (2008-2014); INSA Honorary Scientist, Senior Professor, *School of Physics, University of Hyderabad, Hyderabad 500046*; Flat No. H-402, Aparna Sarover Grande, Nallagandla, Hyderabad 500019 [Tel (040) 2313-4322 (O); Fax 2301-0227; Email kaul.sn@gmail.com, sn.kaul@uohyd.ac.in, kaul\_sn@yahoo.com]; INSA Senior Scientist (2014-19); **SC: II.**



**1987: KESAVAN, Parthasarathy Chenna** (*b* 1938), PhD, Sp: Radiation Biology, Genetics, Biodiversity, Sustainability Science; FNASc, FNAAS, Distinguished Fellow, *MS Swaminathan Research Foundation, III Cross Road, Institutional Area, Taramani, Chennai 600113*; 'Sengamalam', N-19 Maxworth Nagar, Kovilambakkam, Sunnambu Kolathur, Chennai 600129 [Tel (044) 6529-9023 (D), 2254-1698, 2254-2698 (O), 2268-2254 (R), 94-440-24013 (M); Fax 2254-1319; Email pckalam38@gmail.com; Web www.mssrf.org]; **SC: VI.**



**1977: KESSAR, Satinder Vir** (*b* 1932), PhD (S Calif), Sp: Synthetic Organic Chemistry; FASc, FTWAS, Professor Emeritus, *Department of Chemistry, Panjab University, Chandigarh 160014*; 635, Sector 11, Chandigarh 160011 [Tel (0172) 254-1435 (O), 274-7308 (R); Email svkessar@pu.ac.in]; **Medal:** Golden Jubilee Commemoration (Chem Sc) (1992), Meghnad Saha (1996); INSA Honorary Scientist (2006); **Council:** Mem 1992, VP 1993-94; **SC: III.**



**2003: KHAKHAR, Devang Vipin** (*b* 1959), PhD, Sp: Chemical Engineering; FASc, FNASc, FNAE, *Department of Chemical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai 400076* [Tel (022) 2576-7212 (O), 98-206-05351 (M); Email khakhar@iitb.ac.in; Web <http://www.che.iitb.ac.in/faculty/dvk.html>]; **Council:** Mem 2011-13; VP 2021-; **SC: V.**



**1981: KHAN, Mirza Mohammad Taqui** (*b* 1931), PhD, Sp: Inorganic Chemistry, Homogeneous Catalysis; FASc, FNASc, formerly Director, CSMCRI, Bhavnagar, Emeritus Scientist (CSIR), Department of Chemistry, & Honorary Advisor, Academic & Scientific Development Programme, Osmania University, Hyderabad; 479-17-3, *Yakutpura, Hyderabad 500023* [Tel (040) 2452-4371(R)]; **SC: III.**

**2005: KHANDUJA, Sudesh Kaur** (b 1951), PhD, Sp: Algebra, Algebraic Number Theory; FASc, FNASc, FTWAS, INSA Senior Scientist, *Indian Institute of Science Education & Research (IISER), Mohali, Sector 81, Knowledge City, SAS Nagar, PO Manauli 140306, Punjab*; Professor Emeritus, *Centre for Advanced Study in Mathematics, Panjab University, Chandigarh 160014*; H No 1297, Sector 37-B, Chandigarh 160036 [Tel (0172) 224-0266 (O), 98-152-04096 (M); Email skhanduja@iisermohali.ac.in]; **Lecture:** Professor VV Narlikar Memorial (2015); **SC: I.**



**2018: KHANNA, Navin Chandra** (b 1956), PhD, Sp: Biotechnology: Recombinant Proteins of Medical Use; FNASc, FASc, Group Leader, *Recombinant Gene Products Laboratory, International Center for Genetic Engineering & Biotechnology, Aruna Asaf Ali Marg, New Delhi 110067*; 4373, B-5, Vasant Kunj, New Delhi 110070 [Tel (011) 2674-2357/60 (O), 4176-1859 (R), 96-501-00229 (M); Fax 2674-2316; Email navin@icgeb.res.in, navinkhanna5@gmail.com; Web <http://www.icgeb.org/navin-khanna.html>]; **SC: VIII.**



**1994: KHANNA-CHOPRA, Renu** (b 1949), PhD, Sp: Plant Physiology, Stress Physiology, Biochemistry; FNASc, FNAAS, INSA Senior Scientist, ICAR National Fellow, *Department of Biotechnology, School of Chemical and Life Sciences, Jamia Hamdard, Hamdard Nagar, New Delhi 110062*; A1/153, Paschim Vihar, New Delhi 110063 [Tel (011) 2605-9688 (O), 98-990-17170, 90-138-91001 (M); Email renu\_wtc@rediffmail.com, renu.chopra3@gmail.com]; **Medal:** INSA Young Scientist (1978); **Council:** Mem Oct 2009-11; **SC: VII.**



**2012: KHARE, Avinash** (b 1954), PhD, Sp: Plasma Physics, Statistical Mechanics, Critical Phenomenon; FNASc, FASc, Homi Bhabha Fellow, Vice-Chancellor, *Central University of Sikkim, 6th Mile, Samdur, P.O., Tadong, Gangtok, Sikkim 737102*; C-20 (29/31) University Apartments, Chhatra Marg, University of Delhi, Delhi 110007 [Tel (03592) 251-067/251-073 (O), 97-183-28154 (M); Email khareavinash82@gmail.com, vc@cus.ac.in]; **Lecture:** Dr Biren Roy Memorial (2016); **SC: II.**



**1996: KHARE, Avinash Vasant** (b 1945), PhD, Sp: Theoretical Physics; FASc, INSA Senior Scientist, *Department of Physics, Savitribai Phule Pune University, Pune 411007* [Tel (020) 2569-2678 Ext 333 (O), 97-653-96369 (M); Fax 2569-1684; Email khare@physics.unipune.ac.in]; INSA Senior Scientist (2015-18, 2020-21); **Council:** Mem 2002-04; **SC: II.**



**1994: KHEHRA, Amarjit Singh** (b 1934), PhD, Sp: Plant Breeding & Quantitative Genetics; FNAAS, formerly VC, PAU, Ludhiana; 903, Phase 3B2, Sector 60, Mohali 160059, Punjab [Tel (0172) 465-1903 (R), 98-882-60002 (M); Email khehra.amarjit@yahoo.com]; **SC: X.**



**2020: KHOSLA, Sanjeev** (b 1969), PhD, Sp: Epigenetics, Host-pathogen Interaction; FNASc, Director, *CSIR-Institute of Microbial Technology, Sector 39A, Chandigarh 160036*; H.No.-E1, IMTech Housing, Sector 39A, Chandigarh 160036 [Tel (0172) 269-0785 (O), 666-5501 (R), 99-499-52300 (M); Fax 269-0585; Email sanjuk@imtech.res.in]; **SC: VII.**





**2011: KHURANA, Paramjit** (b 1956), PhD, Sp: Plant Biotechnology, Molecular Biology, Genomics; FASc, FNASc, FNAAS, FTWAS, JC Bose National Fellow, Professor, *Department of Plant Molecular Biology, University of Delhi, South Campus, New Delhi 110021* [Tel (011) 2411-5096 (O), 2411-9090 (R), 97-110-06512 (M); Fax 2411-9430; Email param@genomeindia.org, paramjitkhurana@hotmail.com; Web <http://www.south.du.ac.in/dpmbindex.php?page=p-khurana>]; **Medal:** Professor Har Swarup Memorial (2021); **Council:** Ad Mem 2016, 2017, 2018, 2022; **SC: VII.**



**1978: KHUSH, Gurdev Singh** (b 1935), PhD (Calif), Dsc (*hc*), Sp: Plant Breeding & Genetics; FASc, FNAAS, FTWAS, FRS, Foreign Assoc US NAS, *39399 Black Hawk Place, Davis California 95616, USA* [Tel (530) 750-2440; Email gurdev@khush.org]; **Medal:** CV Raman (2007); **SC: X.**



**2016: KIRTI, Pulugurtha Bharadwaja** (b 1953), PhD, Sp: Plant Molecular Biology; FNASc, FNAAS, Professor, *Department of Plant Sciences, University of Hyderabad, Hyderabad 500046; 5-562, Deepthisri Nagar, Madinaguda, Hyderabad 500046* [Tel (040) 2313-4545 (O), 2004-4664 (R); Fax 2301-0120; Email pbksl@uohyd.ernet.in]; **SC: VII.**



**1991: KOCHUPILLAI, Narayan Panicker** (b 1939), MD, Sp: Endocrinology, Metabolism, Diabetes & Biotechnology; FASc, FAMS, Director, Endocrinology Metabolism & Diabetics, SRM Medical College, SRM University, Kattankulathur PO, Tamil Nadu 603203; *Flat No. 401, ITPL Residence Complex, International Technology Park, Whitefield Road, Bengaluru 560066* [Tel 98-183-09294, 95-358-56134 (M); Email narayanakochupillai@gmail.com]; **Medal:** Shree Dhanwantari (2009); **SC: IX.**



**2012: KOHLI, Ravinder Kumar** (b 1953), PhD, Sp: Physiological Ecology, Invasion Plant Ecology, Forestry; FASc, FNASc, FNAAS, JC Bose National Fellow, Certified Emeritus Sr Ecologist, ESA, USA; Vice-Chancellor, *Amity University, Mohali, Punjab 140306* [Tel (072) 401-5273 (O), 98-722-01516, 98-770-34221 (M); Email rkkohli45@yahoo.com, rkkohli45@gmail.com, rkkohli@pb.amity.edu; Web <http://www.rkkohli.com>]; **SC: VI.**



**1994: KOLASKAR, Ashok Sadanand** (b 1950), PhD, DLitt (*hc*), DSc (*hc*), DSc (*hc*), Sp: Molecular Biophysics, Bioinformatics; FNASc, Vice Chancellor, *'The Neotia University' (TNU), Vishwakarma, 86C, Topsia Road (S) Kolkata 700046*; former Vice Chancellor, KIIT University, Bhubaneswar and University of Pune; formerly Advisor, National Knowledge Commission, New Delhi; *Flat No. 04-1403, Upohar Luxury Gold, 2052 Chak Garia, Kolkata 700094* [Tel 70-440-96445 (M); Email akolaskar@yahoo.com, vc@tnu.in]; **SC: VIII.**



**2022: KOLTHUR-SEETHARAM, Ullas** (b 1974), PhD, Sp: Molecular Physiology Chromatin & Gene Expression Mitochondria & Metabolism Aging & Metabolic Diseases; FASc, FNASc, Professor, *Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400005; Bhaskara-608, TIFR Housing Colony, Homi Bhabha Road, Colaba, Mumbai 400005* [Tel (022) 2278-2721 (O), 2280-4592 (R), 98-672-34806 (M); Email ullas@tifr.res.in, ullaskolthur@gmail.com]; **SC: VII.**

**2015: KONDAIAH, Paturu** (*b* 1954), PhD, Sp: Cancer Biology and Biomarkers, Cancer Therapeutics, Gene Regulation by Steroid Hormones; INSA Senior Scientist, Professor, *Department of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bengaluru 560012*; DQ14, New Housing Colony, Indian Institute of Science, Bengaluru 560012 [Tel (080) 2293-2688 (O), 2360-3531 (R), 94-484-89531 (M); Fax 2360-0999; Email [paturu@alum.iisc.ac.in](mailto:paturu@alum.iisc.ac.in)]; **SC: IX**.



**2017: KOTHA, Sambasivarao** (*b* 1957), PhD, Sp: Organic Chemistry; FNASc, FASc, FRSC, Pramod Chaudhari Chair Professor (Green Chemistry), *Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai 400076*; Tower 7, Apt 203, I&T Emerald Isle, Sakivihar Road Powai, Mumbai 400072 [Tel (022) 2576-7160 (O), 98-693-92696 (M); Fax 2576-7152; Email [srk@chem.iitb.ac.in](mailto:srk@chem.iitb.ac.in)]; **SC: III**.



**2010: KRISHNA, Gopal** (*b* 1948), PhD, Sp: Radio Astronomy and Cosmology (Radio Galaxies and Quasars); FASc, FNASc, INSA Senior Scientist, *UM-DAE Centre for Excellence in Basic Sciences (CEBS), University of Mumbai Campus, Mumbai 400098* [Tel 98-504-15719 (M); Email [gopaltani@gmail.com](mailto:gopaltani@gmail.com)]; **SC: II**.



**2013: KRISHNA, Kolluru Sree** (*b* 1958), PhD, Sp: Lithospheric Dynamics, Tectonics, Plate Tectonics, Marine Geophysics; FASc, FNASc, Professor and Head, *Centre for Earth and Space Sciences, University of Hyderabad, Prof. C.R. Rao Road, Gachibowli, Hyderabad 500046*; H No 1-95, New Plots near the Primary School, Chinaogirala, Vuyyuru (Mandalam), Krishna (Dt), Andhra Pradesh 521245 [Tel (040) 2313-2669 (O), 97-654-94935, 97-653-21229 (M); Fax 2301-0152; Email [krishna@uohyd.ac.in](mailto:krishna@uohyd.ac.in), [nio.krishna@gmail.com](mailto:nio.krishna@gmail.com)]; **SC: IV**.



**1982: KRISHNA, Padmanabhan** (*b* 1938), PhD, Sp: Crystallography, Crystal Growth, Education, Science & Society; FASc, Trustee, *Krishnamurti Foundation India, Rajghat Fort, Varanasi 221001*; formerly Professor of Physics, BHU, Varanasi; Sangam House, KF1, Rajghat Fort, Varanasi 221001 [Tel 94-152-23667 (M); Email [pkrishna@pkrishna.org](mailto:pkrishna@pkrishna.org); Web <http://www.pkrishna.org>]; **SC: II**.



**2009: KRISHNAMOORTHY, Guruswamy** (*b* 1950), PhD, Sp: Biophysical Laser Spectroscopy, Macromolecular Dynamics; FASc, FRSC, INSA Honorary Scientist, *Department of Biotechnology, Anna University, Chennai 600025*; formerly Senior Professor, Department of Chemical Sciences, TIFR, Mumbai; 213, 1st South Cross Street, Kapaleeshwarar Nagar, Neelankarai, Chennai 600115 [Tel 77-380-41952 (M); Email [gk@tifr.res.in](mailto:gk@tifr.res.in)]; INSA Senior Scientist (2016-19); **SC: VIII**.



**2008: KRISHNAMOORTHY, Krishnaswamy** (*b* 1952), PhD, Sp: Atmospheric Aerosols, Radiative Forcing; FASc, FNASc, Distinguished Visiting Scientist, *Centre for Atmospheric and Oceanic Sciences, Indian Institute of Sciences, Bengaluru 560012*; A 406, Keerthi Gardenia Apartment, oppo: MKR Sports Arena, near VIBGYOR School, VIBGYOR School Road, Thubarahalli, Bengaluru 560066 [Tel (080) 2293-3147 (O), 94-960-50095, 99-455-30293 (M); Email [kkmoorthy@iisc.ac.in](mailto:kkmoorthy@iisc.ac.in), [krishnamoorthyspl@gmail.com](mailto:krishnamoorthyspl@gmail.com)]; **Medal: KR Ramanathan** (2011); **SC: IV**.





**1997: KRISHNAMURTHY, Hulikal Ramaiengar** (b 1951), PhD (Cornell), Sp: Theoretical Condensed Matter Physics, especially Quantum Many-Body Theory & Statistical Physics; FASc, FNASc, Professor, *Department of Physics, Indian Institute of Science, Bengaluru 560012*; 18, II Main Road, UAS Layout, Sanjaynagar, Bengaluru 560094 [Tel (080) 2293-3282, 2360-8658 (O), 2341-6627 (R); Fax 2360-2602, 2360-0683; Email hrkrish@iisc.ac.in]; **Medal:** INSA Young Scientist (1983), Homi Jehangir Bhabha (2020); **SC: II.**



**2020: KRISHNAMURTHY, Manchikanti** (b 1969), PhD, Sp: Atomic, Molecular, Optical and Plasma Physics; FASc, Sr. Professor (I), Dean, *Tata Institute of Fundamental Research, 36/P Gopannapally, Hyderabad 500107*; I-1901, Aparna Sarovar, Kanchi Gachibowli Road, Nallagandla, Hyderabad 500046 [Tel (040) 2020-3069 (O), 4776-6433 (R), 90-046-80294 (M); Email mkrisim@gmail.com, mkrisim@tifr.res.in]; **Medal:** INSA Young Scientist (2001); **SC: II.**



**1990: KRISHNAMURTHY, Setharampattu Seshaiyer** (b 1940), PhD, Sp: Inorganic & Organometallic Chemistry; FASc, Retired Professor, *Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bengaluru 560012*; 394, 6A Cross, JRD Tatanagar, Kodigehalli, Bengaluru 560092 [Tel (080) 2351-6293 (R), 98-454-57190 (M); Email sskrish@iisc.ac.in, sskrish60@yahoo.com]; **Lecture:** Professor S Swaminathan 60<sup>th</sup> Birthday Commemoration (2006); **SC: III.**



**2020: KRISHNAN, Raghavan** (b 1965), PhD, Sp: Atmospheric and Climate Science; FASc, Scientist-G & Executive Director, *Centre for Climate Change Research, Indian Institute of Tropical Meteorology, Dr. Homi Bhabha Road, NCL Post, Pashan, Pune 411008*; No. 55, Buena Monte, NCL-A Cooperative Housing Society, Panchavati, Pashan, Pune 411008 [Tel (020) 2590-4301 (O), 98-817-37976 (M); Fax 2586-5142; Email krish@tropmet.res.in]; **SC: IV.**



**1986: KRISHNAN, Rangachari** (b 1935), PhD, Sp: Physical Metallurgy, Materials Science; FASc, FNASc, FNAE, formerly Director, Gas Turbine Research Establishment (DRDO); *F-3, Parkside Manor, 162, 5th Main, Defence Colony, Bengaluru 560038* [Tel (080) 2526-8882 (R); Email rangachari.krishnan@gmail.com]; **Medal:** Professor Brahm Prakash Memorial (2001); **SC: V.**



**1986: KRISHNAN, Varadachari** (b 1937), PhD, Sp: Inorganic and Bio-Inorganic Chemistry; FASc, FTWAS, Honorary Professor, *Jawaharlal Nebru Centre for Advanced Scientific Research (JNCASR), Jakkur PO, Bengaluru 560064* and Co-ordinator, TWAS Regional Office for Central and South Asia at JNCASR, Hon Fellow, Chinese Chemical Society, IISc Distinguished Alumni (2011); formerly Professor, Department of Inorganic and Physical Chemistry, IISc, Bengaluru 560012; 121, I 'A' Main, AECS Layout 1st Stage, Sanjaynagar, Bengaluru 560094 [Tel (080) 2208-2749, 2362-2518 (O), 2293-2296, 2341-9380 (R); Fax 2208-2758, 2360-2468; Email vkrish@jncasr.ac.in, vkrishnan@iisc.ac.in]; **Medal:** Golden Jubilee Commemoration (Chem Sc) (1998); **Council:** VP 2000-02; **SC: III.**



**1998: KRISHNASWAMY, Kamala** (b 1940), MD, Sp: Internal Medicine; FASc, FNASc, FNAAS, FTWAS, FAMS, Senior Honorary Advisor, Madras Diabetes Research Foundation; formerly Director & Emeritus Medical Scientist (ICMR), National Institute of Nutrition, Jamai-Osmania PO, Hyderabad; *J 7, Prime Terrace, 150 LB Road, Tiruvanmiyur, Chennai 600041* [Email kamalakrishnaswamy@gmail.com, sri21kk@yahoo.com]; **Lecture:** BC Guha Memorial (1999); **SC: IX.**

**2012: KRUPANIDHI, Saluru Baba** (b 1951), PhD, Sp: Physics of Materials, Epitaxial Multi-Component Oxides, Compound Semiconductors, Superlattices, Functional Devices & Applications; FASc, INSA Senior Scientist, Professor, *Materials Research Centre, Indian Institute of Science, Bengaluru 560012*; 164, 2nd Cross, Central Excise Layout, Bhoopasandra, Bengaluru 560094 [Tel (080) 2360-1330, 2293-2601 (O); Fax 2360-7316; Email sbk@iisc.ac.in, sbkenator@gmail.com]; **SC: V.**



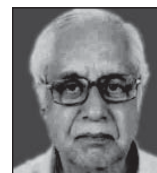
**2022: KULKARNI, Giridhar Udapi Rao** (b 1963), PhD, Sp: Nanomaterials and Self-assembly Routes to Nanofabrication; FNASc, FASc, President, *Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur P.O. Bengaluru 560064*; #54, Tulsi, 3<sup>rd</sup> phase, Royal Enclave, Srirampura, Jakkur, Bengaluru North 560064 [Tel (080) 2208-2752/2936 (O), 94-488-25386 (M); Email kulkarni@jncasr.ac.in, guk@cens.res.in]; **SC: III.**



**2011: KULKARNI, Sulabha Kashinath** (b 1949), PhD, Sp: Nanotechnology, Materials Science, Surface Science; FASc, FNASc, INSA Senior Scientist, *Centre for Materials for Electronics Technology (CMET), Panchwati, Pune 411008* [Tel (020) 2598-9273 Ext 224 (O), 88-884-25978 (M); Email skknano@gmail.com]; **SC: II.**



**1989: KUMAR, Anil** (b 1941), PhD, Sp: Nuclear Magnetic Resonance Spectroscopy & Applications to Biomolecules and Quantum Computing; FASc, FNASc, FTWAS, INSA Emeritus Scientist, NASI-Honorary Scientist, *Department of Physics and NMR Research Centre, Indian Institute of Science, Bengaluru 560012*; D-201, Sterling Gardens, Hebbal, Kempapura, Bengaluru 560024 [Tel (080) 2366-2757 (R), 98-454-21938 (M); Email anilnmr@iisc.ac.in, anilnmr@gmail.com]; **Lecture:** Professor KR Rao Memorial (1996); **Council:** Mem 2013-15; **SC: VIII.**



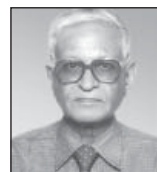
**2009: KUMAR, Anil** (b 1955), PhD, Sp: Physical Chemistry, Thermodynamics, Physical-Organic Chemistry; FASc, FNASc, JC Bose National Fellow; Flat 6, Megha Terrace, Near Wireless Colony, Aundh, Pune 411007 [Tel (020) 4862-4169 (R), 98-220-74509, 75-070-53053 (M); Email dranilkumar1956@gmail.com, akncl@yahoo.com]; **SC: III.**

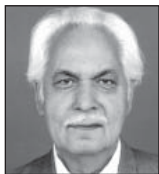


**2006: KUMAR, Anurag** (b 1955), PhD, Sp: Communication Networks: Stochastic Modelling, Analysis, Optimisation and Control Problems Arising in Communication Networks (Wireline and Wireless) and Distributed Systems; FASc, FNAE, FIEEE, FTWAS, Professor, *Department of Electrical Communication Engg., Indian Institute of Science, Bengaluru 560012* [Tel (080) 2293-2281 (O), 2341-5032 (R); Fax 2360-0991; Email anurag@iisc.ac.in; Web http://iisc.ac.in]; **Council:** Mem 2021-; **SC: V.**



**1988: KUMAR, Har Darshan** (b 1934), PhD (Lond), Sp: Algology, Ecology & Microbial Biotechnology; FASc, FNASc, formerly Emeritus Scientist (CSIR) and Professor, CAS in Botany and Dean, Faculty of Science, BHU, Varanasi; B 32/32, HK 214, Saketnagar Colony, Naria, Varanasi 221005 [Tel (0542) 231-5180 (R); Email hdk71@yahoo.co.in, hdkumar@rediffmail.com]; **Council:** Mem 1997-99; **SC: VI.**





**1985: KUMAR, Rajinder** (*b* 1934), PhD, Sp: Multiphase Phenomena; FASc, Retired Professor, *Department of Chemical Engg, Indian Institute of Science, Bengaluru 560012*; 47/1, 7th Cross, 5th Main, Malleswaram, Bengaluru 560003 [Tel (080) 2293-2320 (O), 2334-6394 (R); Fax 2360-8121, 2360-0683; Email kumar@iisc.ac.in]; **Medal:** SH Zaheer (1989), SS Bhatnagar (1997); **Visiting Fellowship:** JL Nehru Birth Centenary (1995); **Council:** Mem 1990, VP 1991-92; **SC: V.**



**2022: KUMAR, Vinod** (*b* 1956), PhD, Sp: Chronobiology, Behavioural Neuroendocrinology; Temporal Ecology; Ex-Senior Professor, *Department of Zoology, University of Delhi, Delhi 226024*; C-75, Sector-E, Aliganj, Lucknow 226024 [Tel (011) 2766-7212 Ext 218 (O), 98-188-75429 (M); Fax 011-2766-6564; Email drvkumar11@gmail.com, drvkumar11@yahoo.com; Web <https://centreforbiologicaltimekeeping.com/>]; **SC: VI.**



**2010: KUMARA SWAMY, Kalasa Chandrasekhar Jois** (*b* 1957), PhD, Sp: Chemistry Inorganic /Organic; FASc, Professor, *School of Chemistry, University of Hyderabad, Hyderabad 500046*; 155, Doyens Township, Serilingampally, Hyderabad 500019, Telangana [Tel (040) 2313-4856 (O), 98-497-24004 (M); Email kckssc@uohyd.ac.in, kckssc@yahoo.com; Web [chemistry.uohyd.ac.in/~kcksc/](http://chemistry.uohyd.ac.in/~kcksc/)]; **SC: III.**



**2002: KUMARAN, Viswanathan** (*b* 1966), PhD, Sp: Chemical Engineering; FASc, FNAE, Professor, *Department of Chemical Engineering, Indian Institute of Science, Bengaluru 560012*; NE-120, IISc, Bengaluru [Tel (080) 2293-3112 (O), 2360-1034 (R); Fax 2360-8121; Email kumaran@iisc.ac.in]; **Medal:** INSA Young Scientist (1996); **SC: V.**



**2010: KUNDU, Tapas Kumar** (*b* 1962), PhD, DSc, Sp: Regulation of Gene Expression (Transcription) in Humans with Special Emphasis on Disease and Therapeutics and Related Chemical Biology; FASc, FNAsc, Director, *CSIR-Central Drug Research Institute, Sector-10, Janakipuram Extension, Sitapur Road, Lucknow 226031* [Tel (0522) 277-1940 (O), 94-494-56334 (M); Fax 277-1941; Email director@cdri.res.in] & Professor, Transcription and Disease Laboratory, Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur PO, Bengaluru 560064; Flat No A 201, MV Royal Homes, 273/1/3, Srirampura, Jakkur PO Yelahanka Hobli, Bengaluru 560064 [Tel (080) 2208-2840 (O), 2362-2773 (R); Fax 2208-2766; Email tapas@jncasr.ac.in]; **Lecture:** Dr Nitya Anand Endowment (2015); **SC: VII.**



**2020: KUNNATH, Sandeep** (*b* 1973), PhD, Sp: Partial Differential Equations; FASc, Professor, *Tata Institute of Fundamental Research, Centre for Applicable Mathematics, Post Bag No. 6503, Sharada Nagar, Yelahanka New Town, Bengaluru 560065*; A 601, Nagarjuna Aster Park, Yelahanka New Town, Near Mother Dairy, Bengaluru [Tel (080) 6695-3744 (O), 4958-7955 (R), 98-456-50941 (M); Fax 6695-3799; Email sandeep@tifrbng.res.in]; **Medal:** INSA Young Scientist (2005); **SC: I.**



**2019: LAHIRI, Goutam Kumar** (*b* 1960), PhD, Sp: Inorganic Chemistry; FASc, FNAsc, Professor, *Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai 400076*; Nilgiri Building (B-311), IIT Bombay, Powai, Mumbai 400076 [Tel (022) 2576-7159 (O), 2576-8159 (R), 98-195-81787 (M); Fax 2572-3480; Email lahiri@chem.iitb.ac.in]; **SC: III.**

**2005: LAHIRI MAJUMDER, Arunendra Nath** (b 1946), PhD, DSc, Sp: Plant Biochemistry & Molecular Biology, Plant Biotechnology; FASc, FNASc, FNAAS, INSA Senior Scientist, formerly DAE Raja Ramanna Fellow, Senior Professor & Head, *Division of Plant Biology and Acharya JC Bose Biotechnology Innovation Centre, Bose Institute (Centenary Building), P-1/12, CIT Scheme, VII M, Kolkata 700054; 5B2, FJORD Tower, Hiland Park, Kolkata 700094* [Tel (033) 2569-3232 (O), 2436-7219 (R), 94-330-27050 (M); Fax 2355-3886; Email lahiri@jcbose.ac.in, alahirimajumder@yahoo.com, alahirimajumder@gmail.com]; **Medal:** Professor SB Saksena Memorial (2008); **SC: VII.**



**2003: LAKHINA, Gurbax Singh** (b 1943), PhD, Sp: Geomagnetism and Atmospheric Sciences; FNASc, NASI-Senior Scientist Platinum Jubilee Fellow, INSA Honorary Scientist, Emeritus Professor (CSIR), formerly Director, *Indian Institute of Geomagnetism, Plot No 5, Sector 18, Kalamboli Highway, New Panvel, Navi Mumbai 410218; Neel Sidhi Towers, B-701, Plot No. 195, Sector 12, Vashi, Navi Mumbai 400703* [Tel (022) 2748-4127 (O), 98-204-22678 (M); Fax (022) 2748-0762; Email gurbax.lakhina@iigm.res.in, gslakhina@gmail.com]; **Medal:** KR Ramanathan (2005); INSA Senior Scientist (2008-13); **SC: IV.**



**1993: LAKHOTIA, Subhash Chandra** (b 1945), PhD, Sp: Cytogenetics, Molecular Genetics & Cell Biology, Ayurvedic Biology; FASc, FNASc, BHU Distinguished Professor and SERB Distinguished Fellow, *Cytogenetics Laboratory, Department of Zoology, Banaras Hindu University, Varanasi 221005; P3/4, Ravindra Puri, Lane No 13, Varanasi 221005* [Tel (0542) 236-8145, 236-8457 (Lab), 231-2012 (R), 94-530-48657 (M); Email lakhotia@bhu.ac.in, sclakhotia@yahoo.co.in]; **Medal:** INSA Young Scientist (1975), SL Hora (2002), Aryabhata (2018); INSA Senior Scientist (2016-18); **Council:** Mem 2004-05, VP 2006, 2015-17; Editor-in-Chief, *Proceedings of the Indian National Science Academy* (2014-18); **SC: VII.**



**1992: LAKSHMANAN, Muthusamy** (b 1946), PhD, DSc (bc), Sp: Nonlinear Dynamics & Theoretical Physics; FASc, FNASc, FTWAS, Professor of Eminence & SERB National Science Chair, *Department of Nonlinear Dynamics, School of Physics, Bharathidasan University, Tiruchirapalli 620024; 654, Periyar Salai, KK Nagar, Tiruchirapalli 620021* [Tel (0431) 240-7093, 240-7057 (O), 245-9386 (R); Fax 240-7093; Email lakshman@cnd.bdu.ac.in, lakshman.cnd@gmail.com; Web <http://www.physicscnd.com>]; **Lecture:** Dr Biren Roy Memorial (1998), Professor VV Narlikar Memorial (2006); **Council:** Mem 2005-07; **SC: II.**



**2014: LAKSHMI KANTAM, Mannepalli** (b 1955), PhD, Sp: Catalysis, Materials and Process Chemistry; FNASc, FRSC, Dr. B.P. Godrej Distinguished Professor of Green Chemistry and Sustainability Engineering, *Department of Chemical Engineering, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai 400019; 501-Palms, 2-2-20/B/8, D.D. Colony, Baghamberpeta, Hyderabad 500013* [Tel (022) 3361-2015 (O), 97-691-01554 (M); Fax 3361-1020; Email lk.mannepalli@ictmumbai.edu.in, lkmanepalli3@gmail.com]; **Lecture:** Professor Darshan Ranganathan Memorial (2016); **Council:** Mem 2020-; **SC: III.**



**1984: Lal, KRISHAN** (b 1941), PhD, DSc (bc), Sp: Physics of Materials; FNASc, Foreign Mem, Russian Academy of Science, Co-Chair, IAP for Science, the Global Network of Science Academies (2016-); Past-President, AASSA, the Association of Academies and Societies of Sciences; and Past-President, ICSU-CODATA, formerly Director, CSIR-National Physical Laboratory, Dr KS Krishnan Marg, New Delhi 110012; *C-116, Ground Floor, Inderpuri, New Delhi 110012* [Tel (011) 4560-9104, 2322-1958 (O), 2583-6409, 4702-6374 (R); Email cochairkr@gmail.com, krish41ster@gmail.com]; **Lecture:** DS Kothari Memorial (1996); **Visiting Fellowship:** JL Nehru Birth Centenary (2010); **Council:** Treas 1993-95, Ad Mem 2000, Pres 2011-13; **SC: II.**





**2013: LAL, Rup** (b 1953), PhD, Sp: Microbial Diversity, Genomics and Metagenomics; FNA, FNASc, FNAAS, NASI Senior Scientist Platinum Jubilee Fellow, *The Energy and Resources Institute (TERI), Darbari Seth Block, IHC Complex, Lodhi Road, New Delhi 110003* [Tel 98-107-85766 (M); Email ruplal@gmail.com; Web <http://ruplal.in/>]; **SC: VII.**



**2004: LAL, SHYAM** (b 1951), PhD, Sp: Atmospheric Science, Ozone and Trace Gases, Air Quality and Climate; FASc, FNASc, Honorary Scientist, *Physical Research Laboratory, Navrangpura, Ahmedabad 380009*; A9 Sterling Row House, Gurukul Road, Memnagar, Ahmedabad 380052 [Tel 94-276-27076 (M); Fax 2631-4659; Email shyam@prl.res.in, shyamprl@gmail.com]; **Medal:** KR Ramanathan (2020); INSA Senior Scientist (2016-19); **SC: IV.**



**2012: LAVANIA, Umesh Chandra** (b 1952), PhD, DSc, Sp: General and Molecular Cytogenetics, Molecular Systematics and Chromosome Evolution, Medicinal and Aromatic Plants, Phytotechnologies; FNASc, INSA Senior Scientist, Department of Botany, Lucknow University, Lucknow 226007; formerly Chief Scientist & AcSIR Professor & Head, Division of Genetics & Plant Breeding, CSIR-CIMAP, Lucknow; 4/221, *Vivek Khand, Gomti Nagar, Lucknow 226010* [Tel (0522) 359-6674 (R), 94-155-16561 (M); Email lavaniauc@yahoo.co.in, lavaniauc@gmail.com]; **Medal:** INSA Young Scientist (1984); **SC: VI.**



**2021: LAXMI, Ashverya** (b 1974), PhD, Sp: Plant Physiology and Molecular Biology; FNA, FASc, FNASc, JC Bose National Fellow, Staff Scientist V, Lab-203, *National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110067*; House No. 4, Type IV, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110067 [Tel (011) 2673-5180 (O), 98-917-82198 (M); Fax 2674-1658; Email ashverya\_laxmi@nipgr.ac.in]; **SC: VII.**



**2018: LELE, Ashish Kishore** (b 1967), PhD, Sp: Chemical Engineering, Polymer Science and Engineering; FNAE, FASc, Director, CSIR – National Chemical Laboratory, Dr. Homi Bhabha Road, Pune 411008, Senior Vice-President and Head, *Advanced Materials and Alternate Energy Group, Research and Development, Reliance Industries Ltd., Reliance Corporate Park, Navi Mumbai 400709* [Email director@ncl.res.in, Ashish.Lele@ril.com]; **Council:** Ad Mem 2022; **SC: V.**



**1987: LELE, Shrikant** (b 1943), PhD, Sp: Physical Metallurgy & Materials Science; FASc, FNASc, FNAE, 377, *Mahatma Housing Society, Kotbrud, Pune 411038* [Tel (020) 2536-0906 (R), 97-664-33322 (M); Email drslele@gmail.com]; **Medal:** Professor Brahm Prakash Memorial (2010); **Council:** Mem May-Dec 1992, 1999-01; **SC: V.**



**1977: LUTHRA, Usha Kehar** (b 1932), MD (Path & Bac), PhD (Path), Sp: Pathology, Cytopathology, Cancer Research, Medical Research; FRCPath(Lond), FAMS, formerly Additional DG and Director, Institute of Cytology and Preventive Oncology, ICMR; J-202, *Som Vihar, Maj. Som Nath Marg, RK Puram, New Delhi 110022* [Tel (011) 2671-6748 (R); Email ukluthra@hotmail.com]; **SC: IX.**

**2004: MADAN, Mohan** (b 1953), PhD, Sp: Agricultural Biotechnology; FNAAS, Advocate, Supreme Court and High Court of Delhi; formerly Professor, Department of Plant Molecular Biology, University of Delhi, South Campus, Benito Juarez Marg, New Delhi 110021; *Sector B, Pocket 10, Flat No 7055, Vasant Kunj, New Delhi 110070* [Tel 98-110-54232 (M); Email mohanm98@hotmail.com]; **SC: X.**



**2011: MADHUBALA, Rentala** (b 1952), PhD, Sp: Molecular Parasitology, Functional Genomics; FASc, FNASc, FTWAS, AS Paintal Distinguished Scientist Chair of ICMR, *School of Life Sciences, Jawaharlal Nehru University, New Delhi 110067*; House No A15/28, Vasant Vihar, New Delhi 110057 [Tel (011) 2674-2630, 2616-7676 Ext 4521 (O); Fax 2674-2630; Email madhubala@mail.jnu.ac.in, rentala@outlook.com]; **Council: Mem 2019-21; SC: IX.**



**2000: MADHUSUDANA, Nelamangala Vedavyasachar** (b 1944), PhD, Sp: Liquid Crystals; FASc, Emeritus Scientist, Professor, *Liquid Crystal Lab, Raman Research Institute, CV Raman Avenue, Sadashivanagar, Bengaluru 560080*; No.45, Kuber Housing Society Ext, RBI Colony, Hebbal Agricultural Farm, Bengaluru 560024 [Tel 94-808-36199 (O), (080) 2333-3407 (R); Fax 2361-0492; Email nvmadhu@rri.res.in; Web <http://www.rri.res.in>]; **SC: II.**



**2014: MADRAS, Giridhar** (b 1967), PhD, Sp: Chemical Engineering; FASc, FNAE, FNASc, Professor, *Department of Chemical Engineering, Indian Institute of Science, Bengaluru 560012*; NE-106, Indian Institute of Science, Bengaluru 560012 [Tel (080) 2293-2321 (O), 2360-7880 (R), 93-425-19580 (M); Fax 2293-2321; Email giridhar@chemeng.iisc.ernet.in, giridharmadras@gmail.com]; **SC: V.**



**1993: MAHAJAN, Kushal Kumar** (b 1939), PhD, Sp: Radio, Atmospheric and Space Sciences; FASc, INSA Emeritus Scientist, formerly Head, Radio and Atmospheric Sciences Division, CSIR-National Physical Laboratory, Dr KS Krishnan Marg, New Delhi 110012; *C1/121, Janak Puri, New Delhi 110058* [Tel (011) 2553-6334 (R), 98-100-92120 (M); Email kkmahajan@yahoo.com]; INSA Senior Scientist (2005-09), INSA Honorary Scientist (2010-15); **SC: IV.**



**2015: MAHALE, Smita Dilip** (b 1957), PhD, Sp: Reproductive Physiology; FNASc, ICMR Emeritus Scientist and Former Director, *National Institute for Research in Reproductive Health, Jehangir Mervanji Street, Parel, Mumbai 400012*; A-503, Devdeveshwar C.H.S, Telly Galli Cross Lane, Andheri (East), Mumbai 400069 [Tel (022) 2419-2002 (O), 2684-2105 (R), 99-203-91165 (M); Fax 2413-9412; Email smitamahale@hotmail.com]; **SC: VII.**



**2018: MAHAN, MJ** (b 1968), PhD, Sp: Hyperbolic Geometry, Geometric Group Theory, Probabilistic Geometry, Topology of Algebraic Varieties; FASc, JC Bose National Fellow, Senior Professor (I), *School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400005*; Ramakrishna Math and Ramakrishna Mission, Ramakrishna Mission Marg, 12th Road, Khar (West), Mumbai 400052 [Tel (022) 2278-2353 (O), 86-974-06956 (M); Email mahan.mj@gmail.com, mahan@math.tifr.res.in]; **SC: I.**





**2021: MAHAPATRA, Souvik** (b 1970), PhD, Sp: Microelectronics and VLSI, Nanoelectronics; FASc, FIEEE, FNAE, Professor, *Department of Electrical Engineering, Indian Institute of Technology Bombay, Mumbai 400076*; B208, Building B23, IIT Bombay, Mumbai 400076 [Tel (022) 2572-0408, 98-190-17412 (M); Email [souvik@ee.iitb.ac.in](mailto:souvik@ee.iitb.ac.in)]; **SC: V**.



**1995: MAHARANA, Jnanadeva** (b 1945), PhD, Sp: String Theory & Quantum Gravity; FASc, INSA Honorary Scientist, Professor, *Institute of Physics, Bhubaneswar 751005* [Tel (0674) 230-1825 (O), 230-3444 (R); Fax 230-0142; Email [maharana@iopb.res.in](mailto:maharana@iopb.res.in)]; **Medal:** SN Bose (2015); INSA Senior Scientist (2016-18); **SC: II**.



**2016: MAITI, Kalobaran** (b 1967), PhD, Sp: Condensed Matter Physics; FASc, FNASc, Senior Professor and Dean, *Natural Sciences Faculty, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400005*; 703 Meghnad, TIFR Housing Complex, Homi Bhabha Road, Colaba, Mumbai 400005 [Tel (022) 2278-2302 (O), 98-921-06060 (M); Fax 2280-4610; Email [kbmaiti@tifr.res.in](mailto:kbmaiti@tifr.res.in), [kbmaiti@gmail.com](mailto:kbmaiti@gmail.com)]; **SC: II**.



**2022: MAITI, Prabal Kumar** (b 1969), PhD, Sp: Physics; FASc, Professor, *Department of Physics, Indian Institute of Science, Bengaluru 560012*; Apt #305, Block-1, Phase-2, RMV Clusters, L G Halli, Bengaluru 560094 [Tel 80-2293-2865 (O), 94-484-77862 (M); Email [maiti@iisc.ac.in](mailto:maiti@iisc.ac.in), [prabalmaiti@gmail.com](mailto:prabalmaiti@gmail.com)]; **SC: II**.



**2019: MAITI, Souvik** (b 1971), PhD, Sp: Chemical Biology and Biophysics; Senior Principal Scientist, *CSIR-Institute of Genomics and Integrative Biology, Sukhdev Vihar, Mathura Road, New Delhi 110025*; Adjunct Professor, Indian Institute of Science Education and Research Mohali, Knowledge City, Sector 81, Manauli, PO, Sahibzada Ajit Singh Nagar, Punjab 140306; C-601, F7 Antriksh Greens, Sector-50, Noida 201301 [Tel (011) 2987-9108 (O), 98-111-30093 (M); Fax 2766-7471; Email [souvik@igib.res.in](mailto:souvik@igib.res.in)]; **SC: VIII**.



**2009: MAITRA, Uday** (b 1957), PhD, Sp: Organic Chemistry, Supramolecular Chemistry, Chemistry of Bile Acids, Organo and Hydrogels; FASc, Professor, *Department of Organic Chemistry, Indian Institute of Science, Bengaluru 560012*; NE-201, New Housing Colony, Indian Institute of Science, Bengaluru 560012 [Tel (080) 2360-1968, 2293-2960; Fax 2360-0529; Email [maitra@iisc.ac.in](mailto:maitra@iisc.ac.in); Web <http://www.orgchem.iisc.ac.in/uday-maitra/>]; **SC: III**.



**2010: MAJUMDAR, Subeer S** (b 1961), PhD, Sp: Transgenic Animals and Endocrinology, Animal Biotechnology; Director, *National Institute of Animal Biotechnology, Opp. Journalist Colony, Near Gowlidoddy Extended, Q City Road, Gachibowli, Hyderabad, Telangana 500032* [Tel (040) 2312-0102 (O), 98-181-70750 (M); Email [subeer@nii.ac.in](mailto:subeer@nii.ac.in), [subeer@niab.org.in](mailto:subeer@niab.org.in)]; **Council:** Mem 2021-; **SC: VI**.

**2022: MAJUMDER, Gobinda** (b 1967), PhD, Sp: Experimental High Energy Physics; FASc, FNASc, Professor (H), *Dept. Of High Energy Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Mumbai 400005*; 903 Bhaskara, TIFR Housing Complex Homi Bhabha Road, Navy Nagar, Mumbai 400005 [Tel (022) 2278-2378 (O), 2278-3378 (R), 97-574-88232 (M); Email [gobinda@tifr.res.in](mailto:gobinda@tifr.res.in)]; **SC: II.**



**2004: MAJUMDER, Hemanta Kumar** (b 1950), PhD, Sp: Molecular Parasitology, Molecular Biology, Biochemistry; FASc, FNASc, FTWAS, NASI Senior Scientist Platinum Jubilee Fellow, formerly DAE Raja Ramanna Fellow and JC Bose National Fellow, *C.SIR-Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700032*, Adjunct Professor, Department of Biophysics, Molecular Biology and Bio Informatics, Calcutta University and former Working Chairman, WB State Council of S&T, Govt. of West Bengal, Kolkata; Diagamatika Samabaya Abasani, Flat F/11, Block AH, Sector II, Salt Lake City, Kolkata 700091 [Tel (033) 2412-3207 (O), 2359-1532 (R), 98-319-26491 (M); Fax 2473-5197; Email [hkmajumder@iicb.res.in](mailto:hkmajumder@iicb.res.in), [hemantamajumder@yahoo.co.in](mailto:hemantamajumder@yahoo.co.in)]; **Lecture:** Dr Nitya Anand Endowment (2012); **Council:** Mem 2019-21; **SC: VII.**



**2001: MAJUMDER, Partha Pratim** (b 1952), PhD, Sp: Human Genetics, Genetic Epidemiology Biostatistics; FASc, FNASc, National Science Chair, Distinguished Professor and Founder, *National Institute of Biomedical Genomics, P.O. Netaji Subhas Sanatorium, Kalyani 741251*; Emeritus Professor, *Indian Statistical Institute, Kolkata 700108*; Honorary Professor, *Indian Institute of Science Education and Research, Mohali 140306*; President, *Indian Academy of Sciences, Bengaluru 560080*; P-53, Arunachal (East), Sodpur, North 24-Parganas, West Bengal 743178 [Tel (033) 2589-2151 (O), 2565-4314 (R); Fax 2589-2150; Email [ppm1@nibmg.ac.in](mailto:ppm1@nibmg.ac.in); Web <http://www.nibmg.ac.in>]; **Medal:** Golden Jubilee Commemoration (Animal Sc) (2018); **Council:** Mem 2006-08; **SC: IX.**



**2013: MALHOTRA, Bansi Dhar** (b 1950), PhD, Sp: Advanced Soft Electronic Materials including Nano-Materials, Self-Assembled Monolayers, Langmuir-Blodgett Films, Hydrogels Conducting Polymers, Microfluids, Biofuel Cells, Sensors, Biosensors and Biomolecular Electronics; FNASc, SERB Distinguished Fellow, *Delhi Technological University, Main Banana Road, Delhi 110042*; Flat No 4-C, Pocket GG-2, Durgyana Apartments, Vikas Puri, New Delhi 110018 [Tel (011) 4288-0619 (R), 99-683-75812 (M); Email [bansi.malhotra@gmail.com](mailto:bansi.malhotra@gmail.com)]; **SC: V.**



**1993: MALHOTRA, Kailash Chandra** (b 1938), PhD, Sp: Human Ecology; FASc, Retd Professor of Human Ecology, ISI, Kolkata; *385, Sector 29, Noida 201301* [Tel 98-712-53459 (M); Email [kcmalhotra2001@yahoo.co.in](mailto:kcmalhotra2001@yahoo.co.in)]; **SC: VI.**



**2020: MALHOTRA, Pawan** (b 1960), PhD, Sp: Parasitology and Protein Biochemistry; FNASc, FASc, JC Bose National Fellow, Group Leader, *Malaria Biology Group, International Centre for Genetic Engineering and Biotechnology (ICGEB), Aruna Asaf Ali Marg, New Delhi 110067*; I-133 Kirti Nagar, New Delhi 110015 [Tel (011) 2674-1358 (O), 2511-0774, 4560-6313 (R), 98-107-79378 (M); Fax 2674-2316; Email [pawanmal@gmail.com](mailto:pawanmal@gmail.com), [pawanm@icgeb.res.in](mailto:pawanm@icgeb.res.in)]; **SC: VIII.**





**1995: MALIK, Satish Kumar** (b 1943), PhD, Sp: Magnetism, Valence Fluctuation & Superconductivity; FASc, Visiting Professor, *ICCMP, University of Brasilia, Brazil* [Email skm@tifr.res.in]; **SC: II.**



**2005: MALLICK, Birendra Nath** (b 1956), PhD, Sp: Physiology, Neurobiology/Neurophysiology of Sleep-Wakefulness and REM sleep; FASc, FNASc, Professor and Director, *AMITY Institute of Neuropsychology & Neurosciences, Amity University Campus, Sector 125, Gautam Budh Nagar, Noida, Uttar Pradesh 201313*; 5D, Aravali Apartments, Sector 56, Gurgaon, Haryana 122011 [Tel (0120) 439-2652 (O), (0124) 480-5840 (R), 93-113-79248, 98-106-60572 (M); Email remsbnm@yahoo.com]; Web <http://www.jnu.ac.in/faculty/bnmallik/>; **SC: IX.**



**2015: MALLICK, Nirupama** (b 1964), PhD, Sp: Algal Biotechnology; FNASc, Professor, *Department of Agricultural & Food Engineering, Indian Institute of Technology Kharagpur, Kharagpur 721302*; A-41, IIT Campus, Indian Institute of Technology Kharagpur, Kharagpur 721302 [Tel (03222) 283-166 (O), 283-167 (R), 94-340-41662 (M); Email nm@agfe.iitkgp.ac.in]; **SC: VI.**



**2001: MALLIK, Asok Kumar** (b 1947), PhD, Sp: Vibration Engineering, Kinematics; FASc, FNASc, FNAE, formerly Professor, IIT Kanpur; *P31 CIT Road, Scheme VI (MS), Kolkata 700054* [Tel 70-037-15838 (R); Email asokiitk@gmail.com]; **Award:** INSA Teachers Award (2014); **SC: V.**



**2011: MALLIK, Ranjan Kumar** (b 1964), PhD, Sp: Electrical Engineering (Communications); FNAE, FNASc, FASc, FTWAS, FIEEE, Professor, *Department of Electrical Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016*; 1 West Avenue, IIT Delhi, Hauz Khas, New Delhi 110016 [Tel (011) 2659-1049 (O), 2659-1572 (R); Fax 2658-1606; Email rkmallik@ee.iitd.ernet.in, ranjankmallik@yahoo.co.in]; **SC: V.**



**2022: MALLIK, Roop** (b 1970), PhD, Sp: Intracellular Transport and Membrane Biology; Professor, *Department of Biosciences and Bioengineering, Indian Institute of Technology Bombay, Powai, Mumbai 400076* [Tel (022) 2576-7769 (O), 98-694-85055 (M); Email rmallik@iitb.ac.in]; **SC: VII.**



**2010: MANDAL, Chitra** (b 1951), PhD, Sp: Cancer Biology, Glycobiology, Immunology; FASc, FNASc, FTWAS, FAMS, SERB-Distinguished Fellow, JC Bose National Fellow, *CSIR-Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700032*; B-131 Survey Park, Kolkata 700075 [Tel (033) 2499-5717 (O), 98-310-36964 (M); Email cmandal@iicb.res.in, chitra\_mandal@yahoo.com; Web <http://www.iicb.res.in/>]; **Medal:** Professor BS Trivedi Memorial (2014); **Lecture:** Dr Y SubbaRow Memorial (2011); **SC: IX.**



**2018: MANDAL, Gautam** (b 1962), PhD, Sp: Quantum Field Theory, String Theory, Gravitational Physics and Non-equilibrium Phenomena; FASc, Senior Professor, *Department of Theoretical Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400005* [Tel (022) 2278-2429 (O); Fax 2280-4611; Email mandal@theory.tifr.res.in; Web <http://theory.tifr.res.in/~mandal/>]; **SC: II.**

**2019: MANDAL, Mahitosh** (b 1963), PhD, Sp: Cancer Biology; FASc, FNASc, JC Bose National Fellow, Professor, *School of Medical Science and Technology, Indian Institute of Technology Kharagpur, Kharagpur 721302*; B-132, IIT Campus, Kharagpur 721302 [Tel (03222) 283-578 (O), 283-579 (R), 94-348-96984 (M); Fax 282-221; Email mahitosh@smst.iitkgp.ac.in, mahitoshm@gmail.com]; **SC: IX.**



**2010: MANDAL, Nibir** (b 1963), PhD, Sp: Structural Geology and Tectonics; FASc, Professor, *Department of Geological Sciences, Jadavpur University, Kolkata 700032*; Flat-12, Vanilla Housing Co-operative Society, 31/G-BP Township, Block-H, Kolkata 700094 [Tel (033) 2414-6666 Ext 2364 (O), 98-754-43433 (M); Email nibirmandal@yahoo.co.in]; **Medal:** INSA Young Scientist (1992); **Council:** Mem 2015-17; **SC: IV.**



**1994: MANDAL, Nitai Chandra** (b 1938), PhD, Sp: Molecular Biology; FASc, FNASc, formerly Guest Scientist, IISER, Kolkata; Emeritus Scientist (CSIR) and Professor, Department of Biochemistry, Bose Institute, Kolkata; *E-5, Digantika, AH-Block, Sector-II, Salt Lake, Kolkata 700091* [Tel 94-775-85894 (M); Email mandalnc2003@yahoo.com]; **SC: VIII.**



**2022 : MANDAL, Prabhat** ( b 1959), Ph D, Sp: Condensed Matter Physics, Materials Science & Crystal Growth (Superconductivity, Strong Electronic Correlation, Colossal Magnetoresistance, Topological Insulator, Dirac/Weyl Semimetals, Charge Density Wave, van der Waals systems, *etc*); FASc, Emeritus Professor, Condensed Matter Physics & Material Sciences Department, S.N. Bose National Centre for Basic Sciences, JD Block, Sector-III, Salt Lake City, Kolkata 700106; Kanakachal Cooperative Housing Society, CE/1/C/196 AA - I, New Town, Kolkata 700156 [Tel (033) 2335 1313/0312/3057/3061/5705-08 (O), 70-446-82899, 74-394-27332 (M); Email prabhat.mandal@saha.ac.in, nathmandal@rediffmail.com]; **SC: II.**



**2010: MANDE, Shekhar Chintamani** (b 1962), PhD, Sp: Biophysics; FASc, FNASc, Secretary to the GOI, *Department of Scientific and Industrial Research (DSIR)* and Director General, *Council of Scientific and Industrial Research (CSIR), Anusandhan Bhavan, 2, Rafi Marg, New Delhi 110001* [Tel (011) 2371-0472, 2371-7053 (O); Fax 2371-0618; Email secy-dsir@gov.in, dgcsir@csir.res.in, dg@csir.res.in; Web http://www.csir.res.in]; **Medal:** Aryabhata (2021); **Lecture:** BC Guha Memorial (2017); **Council:** Mem 2021-; **SC: VIII.**



**2011: MANNA, Indranil** (b 1961) PhD, Sp: Materials Engineering, Phase Transformation, Surface Engineering, Bainitic Steel, Nanofluid; FTWAS, Professor, *Metallurgical & Materials Engineering Department, Indian Institute of Technology Kharagpur, Kharagpur 721302*; formerly Director, IIT Kanpur and formerly Director, CSIR-CGCRI, Kolkata [Tel (03222) 283-266 (O), 283-267 (R); Email imanna@metal.iitkgp.ernet.in, imanna@iitkgp.ac.in]; **Council:** Ad Mem 2016; **SC: V.**



**2005: MARIMUTHU, Ganapathy** (b 1954), PhD, DSc, Sp: Animal Behaviour and Chronobiology; FASc, FNASc, INSA Honorary Scientist, 2/201, Rajambadi, Palkalai Nagar, Madurai 625021 [Tel (0452) 245-8658 (R), 97-916-96463 (M); Email mailboxgm@gmail.com, mailbox\_gm@rediffmail.com]; **Medal:** Chandrakala Hora Memorial (2010); INSA Senior Scientist (2014-19); **Council:** Mem 2010-12; **SC: VI.**





**1984: MASHELKAR, Raghunath Anant** (*b* 1943), PhD, DSc (*bc*), Sp: Polymer Science and Engineering; FASc, FNASc, FNAE, FTWAS, FRS, Foreign Assoc US NAS, Foreign Assoc US Nat Acad Engg, Foreign Mem Royal Acad Engg, Assoc Foreign Mem, American Academy of Arts & Sciences, National Research Professor, *3rd Floor, Adams Court, Above Bank of Baroda, Pune 411045*; formerly Secretary, DSIR & DG, CSIR, New Delhi; “Raghunath”, D-4, Varsha Park, Baner, Pune 411045 [Tel (020) 4692-5703 (O); Email ram@mashelkar.com]; **Medal:** Vishwakarma (1988), SS Bhatnagar (2001), INSA Medal for Promotion & Service to Science (2020); **Lecture:** JL Nehru Birth Centenary (1995), Etienne Wolf-Ramanujan (2007); **Council:** Mem 1986-88; Pres 2005-07; **SC:** V.



**1999: MATHAN, Minnie Mariam** (*b* 1937) MD, PhD, Sp: Pathology, Electron Microscopy; FAMS, FICP, FRCPath, Consultant Pathologist, formerly Professor of Pathology and Head, Department of Gastrointestinal Sciences, CMC Hospital, Vellore; *Flat 4 Shanthi, 15 Second Avenue, Harrington Road, Chetpet, Chennai 600031* [Tel (044) 4206-8200 (O), 2836-2473 (R), 98-402-41611 (M); Email minniemathan@gmail.com]; INSA Senior Scientist (2005-10); **SC:** IX.



**1990: MATHAN, Vadakenadayil Ittyerah** (*b* 1937), MD, PhD, FRCP, Sp: Gastroenterology and Epidemiology; FNASc, FAMS, Honorary Advisor, National Institute of Epidemiology, ICMR, Chennai; formerly Professor of Medicine & Gastroenterology; Head, ICMR Centre of Advanced Research on Enteric Diseases and Director, CMC Hospital, Vellore; *Flat 4 Shanthi, 15 Second Avenue, Harrington Road, Chetpet, Chennai 600031* [Tel (044) 4206-8200 (O), 2836-2473 (R), 98-400-38637 (M); Email vimathan19@gmail.com]; **Lecture:** Dr TS Tirumurti Memorial (1997); **SC:** IX.



**1983: MATHEWS, Piravonu Mathews** (*b* 1932), PhD, Sp: Geodynamics, Relativistic fields and Stochastic Processes; FASc, formerly Senior Professor, Department of Theoretical Physics, Madras University, Guindy Campus, Chennai 600025; *22 (Old 20) Lady Madhavan Road, Nungambakkam, Chennai 600034* [Tel (044) 2220-2830 (O), 2817-2098 (R); Email indi4272@yahoo.com]; INSA Senior Scientist (1997-01); **SC:** II.



**1990: MATHUR, Asha** (*b* 1938), DCP, MD, Sp: Medical Microbiology, Virology, Immunology; FASc, FNASc, FAMS, FTWAS, FRC (Path), Emeritus Medical Scientist, Professor & Head, Department of Pathology & Microbiology, Saraswati Medical & Dental College, 233 Tiwari Ganj, Faizabad Road, Lucknow 227105; formerly Professor & Head, Department of Microbiology, KG Medical College, Lucknow; *103, Shalimar Estate, Birbal Sahni Marg, Lucknow 226007* [Tel (0522) 281-5044 Ext 236 (O), 278-0325 (R), 96-213-95580 (M); Email asha.mathur@gmail.com]; **SC:** IX.



**1999: MATHUR, Deepak** (*b* 1952), PhD, Sp: Atomic, Molecular and Optical Sciences, Biological Physics; FASc, FTWAS, formerly Distinguished Professor and JC Bose National Fellow, TIFR and Founding Director, UM-DAE Centre for Excellence in Basic Science; *c/o B-310, IIT Bombay, Powai, Mumbai 400076* [Tel 98-691-15322 (R); Email atm01@gmail.com]; **Council:** Mem 2014-16; **SC:** II.

**2004: MAYOR, Satyajit** (*b* 1963), PhD, Sp: Cell Biology; Foreign Assoc US NAS, Professor, Cellular Organization and Signalling Group, Director, *National Centre for Biological Sciences (NCBS), GKVK Campus, Bellary Road, Bengaluru 560065*; No. 201, Serena, 2, Lloyd Road, Cooks Town, Bengaluru 560005 [Tel (080) 2366-6300 Ext 301 (O), 2546-4058 (R); Fax 2363-6662; Email mayor@ncbs.res.in]; **SC: VIII.**



**1988: MEHER-HOMJI, Vispy Minocher** (*b* 1932), PhD, DSc, Sp: Ecology, Bioclimatology & Plant Geography; FASc, FNASc, Honorary Dean, School of Ecology, Pondicherry University; formerly Director (Research), French Institute, Puducherry; *20 D, Sagar Sangeet, 58 Colaba Road, Mumbai 400005* [Tel (022) 2215-0120 (R)]; **Council:** Mem 1991-May 92; **SC: VI.**



**2008: MEHRA, Narinder Kumar** (*b* 1949), PhD, Sp: Transplant Immunology, HLA and Clinical Immunogenetics; FNASc, FTWAS, Member (*hc*), Hungarian Academy of Sciences, ICMR Emeritus Scientist and Dr C.G. Pandit National Chair, Former Dean (Research) & Founder Head, Department of Transplant Immunology & Immunogenetics, AIIMS, New Delhi; *A563E, Sushant Lok I, Block A, Gurugram 122001* [Tel (0124) 408-8428 (R), 98-990-87445, 98-999-69390 (M); Email narin.mehra@gmail.com, narin98@hotmail.com]; **Medal:** SS Bhatnagar (1992); **Council:** VP 2022-; **SC: IX.**



**1983: MEHTA, Goverdhan** (*b* 1943), PhD, DSc (*hc*), Sp: Organic Chemistry; FASc, FNASc, FTWAS, FRS, Foreign Mem, Russian Academy of Sciences, University Distinguished Professor and Dr Kallam Anji Reddy Chair, *School of Chemistry, University of Hyderabad, Hyderabad 500046*; A-45, South Campus, University of Hyderabad, Hyderabad 500046 [Tel (040) 2313-4848, Telefax 2301-0785 (O), 2313-6145 (R); Email gmsc@uohyd.ernet.in, gmehta43@gmail.com]; **Professorship:** INSA-Srinivasa Ramanujan Research Professor (1992-97); **Medal:** Golden Jubilee Commemoration (Chem Sc) (1989), CV Raman (2003), INSA Medal for Promotion & Service to Science (2017); **Lecture:** JL Nehru Birth Centenary (1990); **Council:** Mem 1989-91, VP 1995-97, Pres 1999-2001; **SC: III.**



**2020: MEHTA, Neelesh Bhogilal** (*b* 1975), PhD, Sp: Wireless Communications; FNASc, FNAE, FIEEE, Professor, *Department of Electrical Communication Engineering, Indian Institute of Science, Bengaluru 560012*; NE202, New Housing Colony, Indian Institute of Science, Bengaluru 560012 [Tel 2360-9469 (O), 99-725-92147 (M); Fax 2360-0563; Email neeleshbmehta@gmail.com, nbmehta@iisc.ac.in]; **SC: V.**



**1982: MERH, Sukumar Shyamlal** (*b* 1928), PhD (Lond), DIC, Sp: Structural Geology, Quaternary Geology; FASc, FNASc, formerly Professor of Geology, MS University of Baroda, Vadodara 390002; *Flat 5, Ashdown Court, 5 Idmiston Road, Worcester Park, Surrey KT4 7SE, London, UK* [Tel (0044 20) 8330-1225 (R)]; **Medal:** DN Wadia (2001); INSA Senior Scientist (1989-91); **Council:** Mem 1987-89; **SC: IV.**



**2021: MINWALLA, Shiraz Naval** (*b* 1972), PhD, Sp: Theoretical Physics (Gravity, Quantum Field Theory, String Theory); FASc, FTWAS, Senior Professor (I), *The Department of Theoretical Physics, Tata Institute of Fundamental Research, 1 Homi Bhabha Road, Mumbai 400005*; 4 Sargent House, J.A. Allana Marg, Mumbai 400001 [Tel (022) 2278-2212, 98-925-22213 (M); Fax 2280-4555; Email shiraz.minwalla@gmail.com]; **SC: II.**





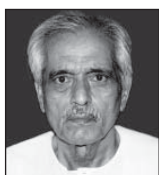
**2011: MISHRA, Akhilesh Chandra** (b 1950), PhD, Sp: Epidemiology & Natural Cycle of Viral Diseases; FASc, Director, Interactive Research School for Health Affairs (IRSHA), Bharati Vidyapeeth University, Katraj, Pune; formerly Director, National Institute of Virology, Pune; *B16 Mont Vert 1, Sus Road, Pashan, Pune 411021* [Tel (020) 2436-6929 (O), 99-701-78555 (M); Fax 2436-6931; Email acm1750@gmail.com, acm1750@rediffmail.com]; **SC: IX.**



**2006: MISHRA, Gyan Chandra** (b 1947), PhD, Sp: Immunology; NASI-Platinum Jubilee Chair Distinguished Professor, *National Centre for Cell Science, NCCS Complex, Pune University Campus, Ganeshkhind, Pune 411007* [Tel (020) 2570-8283 (O), 94-225-22705 (M); Fax 2569-7756; Email gcmishra@nccs.res.in; Web <http://www.web.nccs.res.in>]; **Council: Ad Mem 2019-20; SC: IX.**



**2015: MISHRA, Rakesh Kumar** (b 1961), PhD, Sp: Genomics of the non-coding DNA & Epigenetic Regulation and Development; FASc, FNAsc, Director, *CSIR-Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500007*; House No. 2-17-3/E, Plot No. 95/A, Dharmapuri Colony, Road No. 3, Prashanti Nagar, Uppal, Hyderabad 500039 [Tel (040) 2719-2658 (O), 2720-6400 (R), 94-419-02188 (M); Fax 2716-0591; Email mishra@ccmb.res.in; Web <http://www.ccmb.res.in/rakeshmishra/home.html>]; **Lecture: Professor Har Swarup Memorial (2020); SC: VIII.**



**1990: MISHRA, Santosh Kumar** (b 1941), PhD, Sp: Dynamic Meteorology and Numerical Modelling; FASc, formerly DG, National Centre for Medium Range Weather Forecasting, New Delhi; *Flat 4, 163/24 Mansam Vibar, DP Road, Aundh, Pune 411067* [Tel (020) 2589-0369 (R); Email skmishrapune@rediffmail.com]; **Council: Mem 1995-97; SC: IV.**



**2009: MISRA, Gadadhar** (b 1956), PhD, Sp: Operator Theory; FASc, JC Bose National Fellow Statistics and Mathematics Unit, *Indian Statistical Institute, Bangalore 560059*; 508/509, Block-II, RMV Clusters (Phase-II), RMV Ext, IIInd Stage, Bengaluru 560094 [Tel +91(80)26985474, 94-498-17021 (M); Fax 2360-0146; Email gadadhar.misra@gmail.com, gm@isibang.ac.in]; Website: <http://isibang.ac.in~gm> **Council: VP 2018-20; SC: I.**



**2015: MISRA, Usha Kant** (b 1952), MD, DM, Sp: Neurology; FASc, FNAsc, Professor & Head, *Department of Neurology, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Rae Bareilly Road, Lucknow 226014*; 10-B Madan Mohan Malviya Marg, Lucknow 226001 [Tel (0522) 249-4167 (O), 220-5931 (R), 94-504-53685 (M); Fax 266-8017, 266-8811; Email drukmisra@rediffmail.com, drukmisra@gmail.com]; **SC: IX.**



**1966: MITRA, Asoke Nath** (b 1929), PhD (Delhi & Cornell), Sp: Quarks, Particles, Nuclei & Fields; FASc, FNAsc, FTWAS, Professor Emeritus, *Department of Physics, University of Delhi, Delhi, 244, Tagore Park, Delhi 110009* [Tel (011) 2744-6153 (O), 2744-4731 (R); Fax 2766-7336 (DU); Email anmitraph@gmail.com, anmitra@physics.du.ac.in]; **Professorship: INSA-Albert Einstein Research Professor (1989-94); Medal: SN Bose (1986); Council: Sec 1975-78, Ed Pub 1983-86; SC: II.**

**2014: MITRA, Debashis** (*b* 1960), PhD, Sp: Molecular Virology and Molecular Immunology; FASc, FNASc, Director, *Centre for DNA Fingerprinting and Diagnostics, Inner Ring Road, Uppal, Hyderabad 500039* [Tel (040) 2721-6003 (O), 98-230-59841 (M); Fax 2721-6006; Email [dmitra@cdfd.org.in](mailto:dmitra@cdfd.org.in), [director@cdfd.org.in](mailto:director@cdfd.org.in)]; **SC: IX.**



**2012: MITRA, Parthasarathi** (*b* 1951), PhD, Sp: Theoretical Physics; FNASc, formerly Professor, Theory Division, Saha Institute of Nuclear Physics, Sector 1, Block AF, Bidhan Nagar, Kolkata 700064; 6, *Panditii Terrace, Kolkata 700029* [Email [parthasinp@gmail.com](mailto:parthasinp@gmail.com)]; **SC: II.**



**1987: MITRA, Samaresh** (*b* 1940), DPhil, Sp: Bioinorganic Chemistry, Biological Chemistry; FASc, FNASc, CSIR-Indian Institute of Chemical Biology, Kolkata 700032; formerly Senior Professor, TIFR, Mumbai; *Panchami 508, Udita, 1050/1, Survey Park, Kolkata 700075* [Tel (033) 2418-8209 (R), 98-312-73257 (M); Email [samaresh.mitra@gmail.com](mailto:samaresh.mitra@gmail.com), [mitrasamresh@yahoo.com](mailto:mitrasamresh@yahoo.com)]; **Lecture:** Professor S Swaminathan 60th Birthday Commemoration (1998); INSA Senior Scientist (2011-15); **SC: III.**



**2019: MITRA, Sushmita** (*b* 1962), PhD, Sp: Machine Learning, Data Science, Deep Learning, Medical Imaging, Bioinformatics; FNASc, FNAE, FIEEE, Professor, *Machine Intelligence Unit, Indian Statistical Institute, 203 B.T. Road, Kolkata 700108*; AE 590, Salt Lake Sector I, Kolkata 700064 [Tel (033) 2575-3102 (O), 94-333-53507 (M); Fax 2578-3357; Email [sushmita@isical.ac.in](mailto:sushmita@isical.ac.in)]; **SC: V.**



**1988: MITTAL, Jai Pal** (*b* 1940), PhD (Notre Dame, USA), Sp: Radiation & Photochemistry, Chemical Dynamics & Laser Chemistry; FASc, FNASc, FTWAS, Distinguished Professor & Chairman, Academic Board, UM-DAE, Centre for Excellence in Basic Sciences, University of Mumbai, Kalina Campus, Mumbai 400 098; formerly MN Saha Distinguished Professor (NASI), Bhabha Atomic Research Centre, 6-A-16, Central Complex, Trombay, Mumbai 400085; formerly Director, Chemistry and Isotope Group, BARC, Mumbai; Honorary Distinguished Professor, IIT Bombay and Honorary Distinguished Professor, National Center for Free Radical Research, University of Pune, Pune; *11-B, Robini Coop. Hsg Society, Sector 9-A, Vashi, Navi Mumbai 400703* [Tel (022) 2559-5245 (D), 2559-5246 (O), 2766-4822, 2766-1035 (R), 98-699-92912 (M); Email [mittaljp2003@yahoo.co.in](mailto:mittaljp2003@yahoo.co.in), [mittaljp@barc.gov.in](mailto:mittaljp@barc.gov.in)]; **Visiting Fellowship:** JL Nehru Birth Centenary (2013); **Medal:** Professor TR Seshadri 70th Birthday Commemoration (1994), Golden Jubilee Commemoration (Chem Sc) (2001); INSA Senior Scientist (2016-18); **Council:** Mem 1998-2000; Ad Mem 2005-06, 2012-13, VP 2014-16; **SC: III.**



**2011: MITTAL, Sanjay** (*b* 1968), PhD, Sp: Unsteady Aerodynamics, Finite Elements, High Performance Computing; FASc, FNAE, *Department of Aerospace Engineering, Indian Institute of Technology Kanpur, Kanpur 208016*; House Number 635, IIT Campus, Kanpur 208016 [Tel (0512) 259-7906, 259-7674 (O), 259-8702 (R); Fax 259-7561; Email [smittal@iitk.ac.in](mailto:smittal@iitk.ac.in)]; **Medal:** INSA Young Scientist (1999), AK Bose Memorial (2002); **SC: V.**





**2000: MITTRA, Indraneel** (b 1943) MBBS, FRCS (England), PhD (London), Sp: Oncology/Cancer Surgery, Fundamental, Clinical and Public Health Research in Cancer; FASc, Dr Ernest Borges Chair in Translational Research and Professor Emeritus, *Department of Surgical Oncology, Tata Memorial Centre, Advance Centre for Treatment, Research & Education in Cancer (ACTREC), Kharghar, Navi Mumbai 410210* [Tel (022) 2740-5136 (O), 2497-6307 (R), 97-697-69720 (M); Fax 2740-5061; Email [indraneel.mittra@gmail.com](mailto:indraneel.mittra@gmail.com)]; **Council:** Mem 2003-05; **SC: IX.**



**2012: MOHAN, Viswanathan** (b 1954), MD, FRCP, PhD, DSc, DSc (*bc*), Sp: Medicine – Diabetes Mellitus; FASc, FNASc, FTWAS, FRSE, Director, *Madras Diabetes Research Foundation and Dr Mohan's Diabetes Specialities Centre, No 4, Conran Smith Road, Gopalapuram, Chennai 600086*; Sai Anugraha, No 6, Arch Bishop Mathias Avenue, Raja Annamalaipuram, Chennai 600028 [Tel (044) 4396-8888 (O); Fax 2835-0935; Email [drmohans@diabetes.ind.in](mailto:drmohans@diabetes.ind.in); Web [www.drmoahans.com](http://www.drmoahans.com), [www.mdrf.in](http://www.mdrf.in)]; **Medal:** Professor KP Bhargava Memorial (2020); **SC: IX.**



**2000: MOHAN RAO, Chintalagiri** (b 1954) PhD, Sp: Biophysical Chemistry and Molecular Biology, Protein Folding in Health and Disease, Molecular Diagnostics, Microfluidics and Nanobiology; FASc, FNASc, FTWAS, CSIR Distinguished Scientist and JC Bose National Fellow, *CSIR-Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500007*; Plot 71, House No 17-5/3, Dharmapuri Colony, Uppal, Hyderabad 500039 [Tel (040) 2719-2543 (O), 2720-3931 (R); Fax 2716-0591; Email [mohan@ccmb.res.in](mailto:mohan@ccmb.res.in); Web <http://e-portal.ccmb.res.in/e-space/mohan/index.html>]; **Lecture:** BC Guha Memorial (2014); **Council:** Mem 2010-12; **SC: VIII.**



**2017: MOHANTY, Bedangadas** (b 1973), PhD, Sp: Experimental High Energy Physics, Phenomenology of Quark-Gluon Plasma, QCD Phase Diagram and Direct Dark Matter Search; FASc, FNASc, JC Bose National Fellow, Fellow American Physical Society, Professor and Dean Faculty Affairs, *National Institute of Science Education and Research Bhubaneswar, Jatni 752050, Odisha*; E-40, NISER, Jatni 752050, Odisha [Tel (0674) 249-4266 (O), 249-4200 (R), 88-955-84872 (M); Fax 249-4004; Email [bedanga@niser.ac.in](mailto:bedanga@niser.ac.in), [bedanga@gmail.com](mailto:bedanga@gmail.com)]; **Medal:** INSA Young Scientist (2003), SS Bhatnagar (2015); **SC: II.**



**2013: MOHANTY, Debasisa** (b 1966), PhD, Sp: Computational Biology & Bioinformatics; FASc, FNASc, Staff Scientist-VII, *National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110067*; Apt No H-5, NII Campus, Aruna Asaf Ali Marg, New Delhi 110067 [Tel (011) 2670-3749 (O), 2674-1168, 2670-3730 (R), 98-187-47627 (M); Fax 2674-2125; Email [deb@nii.res.in](mailto:deb@nii.res.in), [deb@nii.ac.in](mailto:deb@nii.ac.in)]; **SC: VIII.**



**2015: MOHANTY, Uma Charan** (b 1948), PhD, Sp: Tropical Meteorology, Numerical Weather Prediction, Monsoon Dynamics, Meso-scale Modelling of severe weather and Climate Modelling; FASc, FNASc, FNAE, Visiting Professor, *School of Earth, Ocean & Climate Sciences (SEOCS), Indian Institute of Technology Bhubaneswar (IITBBS) SBS Building, Argul, Khurda-Jatni Road, Khurda 752050, Odisha*; Plot No. 1579/2558, Lane No.4, BM Nagar, Jagamara, Bhubaneswar 751030 [Tel (0674) 713-5524 (O), 235-2164 (R), 87-638-62775, 98-689-57957 (M); Fax 230-6203; Email [ucmohanty@gmail.com](mailto:ucmohanty@gmail.com), [ucmohanty@iitbbs.ac.in](mailto:ucmohanty@iitbbs.ac.in)]; **SC: IV.**

**2013: MOHAPATRA, Trilochan** (b 1962), PhD, Sp: Agricultural Biotechnology; FNASc, FNAAS, Secretary, *Department of Agricultural Research and Education (DARE)* and Director General, *Indian Council of Agricultural Research (ICAR), Room No. 108, Krishi Bhavan, New Delhi 110001*; B-8, IARI Campus, Pusa, New Delhi 110012 [Tel (011) 2338-2629, 2338-6711 (O), 2584-6420 (R), 78-400-00542 (M); Fax 2338-4773; Email [dg.icar@nic.in](mailto:dg.icar@nic.in)]; **Award:** Professor LSS Kumar Memorial (1994); **Medal:** INSA Young Scientist (1994); **SC: X.**



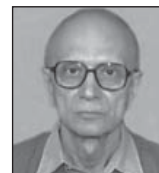
**2003: MONDAL, Naba Kumar** (b 1951), PhD, Sp: Experimental Particle Physics, Accelerator Based and Non-Accelerator Based Particle Physics and Neutrino Physics; FASc, FNASc, FTWAS, DAE Raja Ramanna Fellow, *Applied Nuclear Physics Division, Saha Institute of Nuclear Physics, Kolkata 700064*; NRE 292, New Town Heights, Action Area III, New Town, Kolkata 700135 [Tel (033) 2337-5345 Ext 1733 (O), 4064-8539 (R), 99-875-37701 (M); Email [nkm@tifr.res.in](mailto:nkm@tifr.res.in), [nabak.mondal@gmail.com](mailto:nabak.mondal@gmail.com)]; **SC: II.**



**2018: MOORTHY, Jarugu Narasimha** (b 1964), PhD, Sp: Physical Organic Chemistry; FASc, FRSC, Director, *Indian Institute of Science Education and Research Thiruvananthapuram, Vithura, Thiruvananthapuram 695551*; JC Bose National Fellow, Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur 208016; House No. 462, Indian Institute of Technology Kanpur, Kanpur 208016 [Tel (0471) 277-8090 (O), 94-503-43016 (M); Email [moorthy@iitk.ac.in](mailto:moorthy@iitk.ac.in); Web <http://www.iisertvm.ac.in/pages/director/>]; **SC: III.**



**1998: MOULIK, Satya Priya** (b 1936), DSc, PhD, Sp: Surface & Biophysical Chemistry; JU Emeritus Professor & INSA Emeritus Scientist, *Centre for Surface Science, Department of Chemistry, Jadavpur University, Kolkata 700032*; P-202, JU EMPL COOP, Panchasayar, Kolkata 700094 [Tel (033) 2414-6411 (O), 94-339-57837 (M); Fax 2414-6266; Email [spmcss@yahoo.com](mailto:spmcss@yahoo.com), [spmcss@gmail.com](mailto:spmcss@gmail.com)]; **Lecture:** Professor S Swaminathan 60th Birthday Commemoration (2004); INSA Honorary Scientist (2006-15); **SC: III.**



**2017: MUGESH, Govindasamy** (b 1970), PhD, Sp: Inorganic Chemistry; FASc, FNASc, FRSC, Professor, *Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bengaluru 560012*; HE-242, New Housing Colony, Indian Institute of Science Campus, Bengaluru 560012 [Tel (080) 2360-2566 (O), 2360-5888 (R), 94-484-50108 (M); Fax 2360-2566; Email [mugesh@iisc.ac.in](mailto:mugesh@iisc.ac.in)]; **SC: III.**



**2018: MUJUMDAR, Pradeep Pralhad** (b 1958), PhD, Sp: Hydrology; FASc, FNAE, Professor, *Department of Civil Engineering, Indian Institute of Science, Bengaluru 560012*; E-32, New Housing Colony, Indian Institute of Science, Bengaluru 560012 [Tel (080) 2293-2669, 2293-2323 (O), 2360-2668 (R), 98-452-15612 (M); Fax 2360-0290, 2360-0404; Email [pradeep@iisc.ac.in](mailto:pradeep@iisc.ac.in); Web <http://civil.iisc.ernet.in/~pradeep/>]; **SC: IV.**



**2004: MUKERJEE, Rahul** (b 1956), PhD, Sp: Statistics (Design of Experiments, Asymptotic Theory, Survey Sampling); FASc, FNASc, *National Science Chair, Indian Institute of Management Calcutta, Joka, Diamond Harbour Road, Kolkata 700104*; Flat 6E, Regent Tower, 121/1 NSC Bose Road, Kolkata 700040 [Tel (033) 2467-8300 (O), 2423-9712 (R); Email [rmuk0902@gmail.com](mailto:rmuk0902@gmail.com)]; **SC: I.**





**1991: MUKHERJEE, Debashis** (*b* 1946), PhD, DSc (*bc*), Sp: Theoretical Chemistry, Theoretical Spectroscopy; FASc, FNASc, FTWAS, Distinguished Chair Professor, TCG CREST, Sector V, Salt Lake, Kolkata, West Bengal 700091; formerly SN Bose Chair Professor, SN Bose National Centre for Basic Sciences, JD Block, Sector III, Salt Lake City, Kolkata 700106 (2019-20); Emeritus Chair Professor, SERB Distinguished Fellow and Director, Indian Association for the Cultivation of Science, Kolkata (1978-2018); Res: *Flat 301, Meghdoot Apartments, 24 A, Central Road, Kolkata 700032* [Tel 93-310-19518 (M); Email [pcdemu@gmail.com](mailto:pcdemu@gmail.com)]; **Lecture:** Dr Jagdish Shankar Memorial (1994), Professor Sadhan Basu Memorial (2005); **SC: III.**



**2022: MUKHERJEE, Prasun Kumar** (*b* 1963), PhD, Sp: Plant Pathology, Biocontrol, Fungal Genetics; FNASc, FNAAS, Scientific Officer H, *Head, Environmental Biotechnology Section, Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre (BARC), Trombay, Mumbai 400085*; 04-C, Annapurna, Anushaktinagar, Mumbai 400094 [Tel (022) 2559-0367 (O), 97-574-14312 (M); Email [prasnukherjee1@gmail.com](mailto:prasnukherjee1@gmail.com)]; **SC: X.**



**2008: MUKHERJEE, Rabindra Nath** (*b* 1953), PhD, Sp: Inorganic Chemistry, Bio-inorganic Chemistry; FASc, FRSC, *Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur 208016*; Elita Garden Vista, Block 5 Flat No. 11-01, Action Area III, Rajarhat, New Town, Kolkata 700135 [Tel (0512) 259-7437 (O), 99-033-82482 (M); Fax 259-7436; Email [rnm@iitk.ac.in](mailto:rnm@iitk.ac.in), [rnath.mukherjee@gmail.com](mailto:rnath.mukherjee@gmail.com)]; **SC: III.**



**2007: MUKHERJEE, Sunil Kumar** (*b* 1950), PhD, Sp: Plant Molecular Biology; FASc, FNASc, INSA Senior Scientist, *Advanced Center of Plant Virology, Division of Plant Pathology, ICAR-IARI, New Delhi 110012*; 7145, B 10, Vasant Kunj, New Delhi 110070 [Tel (011) 2689-5815 (R), 98-719-95629 (M); Email [sunilmukherjeeudsc@gmail.com](mailto:sunilmukherjeeudsc@gmail.com)]; **Lecture:** Professor Panchanan Maheshwari Memorial (2011); **SC: VII.**



**2005: MUKHI, Sunil** (*b* 1956), PhD, Sp: Theoretical High Energy Physics, String Theory; FASc, FTWAS, Professor, *Physics Department, Indian Institute of Science Education and Research (IISER), Homi Bhabha Road, Pashan, Pune 411008*; C702, Mont Vert Dieu, Pashan-Sus Road, Pune 411021 [Tel (022) 2590-8116 (O), 98-672-01156 (M); Email [sunil.mukhi@iiserpune.ac.in](mailto:sunil.mukhi@iiserpune.ac.in)]; **SC: II.**



**2007: MUKHOPADHYAY, Amitabha** (*b* 1959), PhD, Sp: Cell Biology; FASc, FNASc, Professor, *Kusuma School of Biological Sciences, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016* [Tel (011) 2659-1106 (O), 2674-1164 (R), 98-108-87164 (M); Fax 2671-7104; Email [amitabha@bioschool.iitd.ac.in](mailto:amitabha@bioschool.iitd.ac.in)]; **SC: VIII.**



**2021: MUKHOPADHYAY, Arnab** (*b* 1972), Ph.D, Sp: Molecular Genetics of Aging; FNASc, FNA, Staff Scientist VI, *Molecular Aging Laboratory, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110067*; A3, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110067 [Tel (011) 2670-3885 (O), 2671-5035 (O), 98-712-29286 (M); Email [arnab@nii.ac.in](mailto:arnab@nii.ac.in)]; **SC: VII.**

**1987: MUKHOPADHYAY, Dhrubajyoti** (b 1938), PhD, DIC, Sp: Structural & Precambrian Geology; FASc, FNASc, INSA Emeritus Scientist, Raman Centre for Applied and Interdisciplinary Sciences, 16 A Jheel Road, Kolkata 700075; *G-7 MIG Hsg Estate, 25/3 Raja Manindra Road, Kolkata 700037* [Tel 98-302-72581, 94-330-92581 (M); Email dhruba\_38@yahoo.co.uk]; **Medal:** Professor K Naha Memorial (2001); INSA Senior Scientist (2003-08), INSA Honorary Scientist (2008-15); **Council:** Mem 1997-99; **SC: IV.**



**2016: MUKHOPADHYAY, Sangita** (b 1966), PhD, Sp: Immunology and Infection Biology; FNASc, FASc, Staff Scientist VII, *Centre for DNA Fingerprinting and Diagnostics, Inner Ring Road, Uppal, Hyderabad 500039*; C2-206, Indu Aranya Pallavi, Bandlaguda, Hyderabad 522660 [Tel (040) 2721-6136 (O), 2988-6994 (R), 94-907-51094 (M); Fax 2721-6006; Email sangita@cdfd.org.in]; **SC: IX.**



**1980: MUKUNDA, Narasimhaiengar** (b 1939), PhD, Sp: Mechanics, Optics, Mathematical Physics; FASc, FNASc, FTWAS, formerly Professor, IISc, Bengaluru; *103, 6th Main Road, Malleswaram, Bengaluru 560003* [Tel (080) 2334-8657 (R); Email nmukunda@gmail.com]; **Lecture:** JL Nehru Birth Centenary (1992); INSA Distinguished Professor (2015-19); **Council:** Mem 1987-89; **SC: I.**



**2000: MUNIYAPPA, Kalappagowda** (b 1952), PhD, Sp: Molecular Genetics, Molecular Cell Biology, Functional Genomics; FASc, FNASc, FTWAS, CSIR Bhatnagar Fellow & Honorary Professor, *Department of Biochemistry, Indian Institute of Science, Bengaluru 560012*; No. 8/9, 4th Cross, MLA layout, RMV II Stage, Bengaluru 560094 [Tel (080) 2293-2235, 2360-0278 (O), 4866-6966 (R); Fax 2360-0814, 2360-0683; Email kmbc@iisc.ac.in, kmbc@rediffmail.com]; **Medal:** JC Bose (2019); **Lecture:** Professor Vishwa Nath Memorial (2001); **Council:** Mem 2012-14; **SC: VIII.**



**1987: MUNJAL, Manohar Lal** (b 1945), PhD, Sp: Technical Acoustics, Industrial Noise Control, Automotive Noise Control; FASc, FNASc, FNAE, AICTE Distinguished Chair Professor & INSA Honorary Scientist, *Department of Mechanical Engineering, Indian Institute of Science, Bengaluru 560012*; S-1, Skanda Residency, 40-41, 6th Cross, Ashram Colony, Sanjay Nagar, Bengaluru 560094 [Tel (080) 2360-3611, 2293-2303 (O), 2341-4855 (R); Fax 2360-0648; Email munjal@iisc.ac.in; Web <http://www.mecheng.iisc.ac.in/~frita/>]; **Medal:** INSA Young Scientist (1975); **Lecture:** Dr GP Chatterjee Memorial (2006); INSA Senior Scientist (2017-19); **Council:** Mem 2001-03, VP 2011-13; **SC: V.**



**2020: MUNSHI, Ritabrata** (b 1976), PhD, Sp: Number Theory; FASc, Professor, *Indian Statistical Institute, 203 B.T. Road, Kolkata 700108*; 10E R1, Sunrise Symphony, AA2B New Town, Kolkata 700157 [Tel (033) 2575-3419 (O), 2332-2527 (R), 90-040-55057 (M); Fax 2577-3071; Email ritabratamunshi@gmail.com]; **SC: I.**



**1995: MURALIDHAR, Kambadur** (b 1948), PhD, Sp: Biochemistry & Endocrinology; FASc, FNASc, formerly Jawaharlal Nehru Chair, School of Life Sciences, University of Hyderabad, Hyderabad 500046; formerly JC Bose National Fellow & Honorary Professor, South Asian University, New Delhi; formerly Professor & HOD, Zoology, University of Delhi; #303, 7-1-69/1/25, DK Road, Ameerpet, Hyderabad 500016 [Tel 98-109-27705 (M); Email murali9810@hotmail.com, kambadur2015@gmail.com]; **Lecture:** Professor MRN Prasad Memorial (2010); **Council:** Mem 1998-2000; **SC: VI.**





**1997: MURTHY, Mathur Ramabhadrasastry Narasimha** (*b* 1950), PhD, Sp: X-ray Diffraction, Macromolecular Crystallography, Protein Structure and Function, Virus Structure and Assembly; FASc, FAAS, FTWAS, Astra-Zeneca Distinguished Professor, Institute of Bioinformatics and Structural Biology, Bengaluru; Visiting Professor, Indian Institute of Science Education and Research, Thiruvananthapuram; 531, Beladingalu, 14th Main Gokul, I Stage, I Phase, Bengaluru 560054 [Tel (080) 2293-3219 (O), 99-003-13742 (M)]; Fax 2360-0535; Email [mrn@mbu.ac.in](mailto:mrn@mbu.ac.in), [mburn@mbu.ac.in](mailto:mburn@mbu.ac.in), [mburn@gmail.com](mailto:mburn@gmail.com)]; **Medal:** Professor GN Ramachandran 60th Birthday Commemoration (2003); INSA Senior Scientist (2016-19); **Council:** Mem 2011-13; **SC: VIII.**



**2014: MURTY, Budaraju Srinivasa** (*b* 1964), PhD, Sp: Physical Metallurgy, Advanced Materials; FASc, FNAsc, FNAE, Professor, *Department of Metallurgical & Materials Engineering, Indian Institute of Technology Madras, Chennai 600036*; C2-6-5A (Marutham-5A), IIT Madras Campus, Chennai [Tel (044) 2257-4754 (O), 2257-6754 (R), 94-440-77006 (M)]; Fax 2257-4752, 2257-0509; Email [murty@iitm.ac.in](mailto:murty@iitm.ac.in), [murty.iitm@gmail.com](mailto:murty.iitm@gmail.com); Web [www.mme.iitm.ac.in/murty](http://www.mme.iitm.ac.in/murty); **Medal:** INSA Young Scientist (1995); **SC: V.**



**2015: MURUGAVEL, Ramaswamy** (*b* 1964), PhD, Sp: Inorganic Chemistry; FASc, FRSC, Biswas Palepu Distinguished Chair Professor, *Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai 400076*; B-300, IIT Staff Quarters, Powai, Mumbai 400076 [Tel (022) 2576-7163, 2576-8163 (R), 98-208-03249 (M)]; Email [rmv@chem.iitb.ac.in](mailto:rmv@chem.iitb.ac.in), [muks@iitb.ac.in](mailto:muks@iitb.ac.in), [rmuks@gmail.com](mailto:rmuks@gmail.com)]; **SC: III.**



**1989: MUTHUKKARUPPAN, Veerappan** (*b* 1934), PhD, Sp: Immunology, Ocular Diseases, Stem Cell Biology; FASc, formerly Professor of Immunology, School of Biological Sciences, Madurai Kamaraj University, Madurai 625021 and VC, Bharathidasan Univ, Tiruchirappalli; Advisor-Research, *Aravind Medical Research Foundation, Dr. G. Venkataswamy Eye Research Institute, No 1, Anna Nagar, Madurai 625020*; 2/173-A, Palkalai Nagar East, Madurai 625021 [Tel (0452) 435-6100 (O), 245-6191 (R)]; Fax 253-0984; Email [muthu@aravind.org](mailto:muthu@aravind.org); **SC: IX.**



**1991: NADKARNI, Mahendra Ganpatrao** (*b* 1939), PhD, Sp: Harmonic Analysis & Ergodic Theory; FASc, Professor Emeritus, Department of Mathematics, University of Mumbai, Kalina, Mumbai 400098; *C-31, Mangireesh, M M Chotani Road, Mahim, Mumbai 400016* [Tel (022) 2652-8871 (O), 2444-1093 (R)]; Email [mgnadkarni@gmail.com](mailto:mgnadkarni@gmail.com)]; **Medal:** PC Mahalanobis (2014); INSA Senior Scientist (2003-07); **Council:** Mem 1997-99; **SC: I.**



**1990: NAG, Kamalaksha** (*b* 1942), PhD, DSc (*hc*), Sp: Inorganic Chemistry; FASc, formerly Senior/Emeritus Professor, Indian Association for the Cultivation of Science, Kolkata 700032; *B-26, Jayashri Park, Behala, Kolkata 700034* [Tel (033) 2406-6575 (R), 96-745-13756 (M)]; Email [kamalakshanag@gmail.com](mailto:kamalakshanag@gmail.com), [ickn@iacs.res.in](mailto:ickn@iacs.res.in)]; INSA Senior Scientist (2008-12); **SC: III.**



**1981: NAGABUSHANAM, Rachakonda** (*b* 1931), DSc, PhD (Tulane), Sp: Animal Physiology & Invertebrate Endocrinology; FNAsc, formerly Professor & Head, Department of Zoology, Marathwada University, Aurangabad; Consultant in Biotechnology, *8009 New Brunswick Dr Cincinnati, OH, 45241-1357, USA* [Tel (0513) 779-1443]; **SC: VI.**

**2017: NAGARAJ, Donihakalu Shankar** (b 1958), PhD, Sp: Algebraic Geometry; FASc, FNASc, Professor, *Indian Institute of Science Education and Research Tirupati, Karakambadi Road, Rami Reddy Nagar, Mangalam (P.O.), Andhra Pradesh 517507*; J-3, Shivani, Block II, 40, East Coast Road, Thiruvanniyur, Chennai 600041 [Tel (0877) 250-0421 (O), 2451-6393 (R), 96-770-30434 (M); Email dsn@imsc.res.in, dsn@iisertirupati.ac.in]; **SC: I.**



**1998: NAGARAJ, Ramakrishnan** (b 1953), PhD, Sp: Peptide Biochemistry, Membrane Biochemistry; INSA Senior Scientist, *CSIR-Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500007*; Flat No 103, Vinay Vihar, Street No 11, Tarnaka, Hyderabad 500017 [Tel 98-483-03895 (M); Email nrjccmb@gmail.com; Web <http://www.ccmb.res.in>]; **Medal:** INSA Young Scientist (1981); **Lecture:** Dr Nitya Anand Endowment (1997); **SC: VIII.**



**2004: NAGARAJA, Valakunja** (b 1954), PhD, Sp: Molecular Biology of Mycobacteria, Regulation of Gene Expression and Protein-DNA Interactions; Professor, *Department of Microbiology and Cell Biology, Indian Institute of Science, Bengaluru 560012*; 'Sumeru' No. 19, RMV Enclave, NTI Layout, Adj. Dollar Colony, RMV Extn II Stage, Bengaluru 560094 [Tel (080) 2360-0668, 2293-2598 (O), 2341-8256 (R); Fax 2360-2697; Email vraj@iisc.ac.in]; **Medal:** JC Bose (2010); **Lecture:** Dr Nitya Anand Endowment (2009); **Council:** Mem 2021-; **SC: VIII.**



**1977: NAGARAJAN, Kuppuswamy** (b 1930), PhD, Sp: Natural Products Chemistry, Medicinal and Pesticide Chemistry; FASc, Corporate Adviser-R&D, *Hikal Ltd., 3rd Floor, Grey Rock, No. 10, 24th Main, J.P. Nagar, 2nd Phase, Bengaluru 560078*; formerly Director, R&D, Recon Ltd, Bengaluru, Director, Searle R&D, Mumbai 400705 and Head of Medicinal Chemistry, Ciba-Geigy Research Centre, Mumbai 400063; Block 1, Flat 007, Serene Urbana, Kannamangala, Bangalore Rural, Karnataka 562110 [Tel (080) 6735-6112 Ext 9212, (O), 2972-8227 (R), 98-867-13958 (M); Email n\_kuppuswamy@hotmail.com, dkn69@yahoo.com, k\_nagarajan@hikal.com]; **SC: III.**



**2000: NAGARAJAN, Radhakrishnan** (b 1942), MSc (Prev), Sp: Superconductivity, Valence Fluctuation, Mossbauer Spectroscopy, Instrumentation; Emeritus Professor, University of Mumbai, Department of Atomic Energy, Centre of Excellence for Basic Sciences, Health Centre Building, Vidyanagari, Santacruz (E), Mumbai 400098; formerly Professor, Department of Condensed Matter Physics and Material Science, TIFR, Mumbai; 303, Dnyaneshwar, Off- Gaikwad Road, (Near Jain Temple, opp. Tambe Nagar), Mulund (W), Mumbai 400080 [Tel 93-223-70689 (M); Email nagjan2006@gmail.com]; **Lecture:** INSA Prize for Materials Science (2003); **SC: II.**



**2021: NAGARAJU, Ganesh** (b 1973), PhD, Sp: DNA Damage Responses, Cell Biology and Cancer Biology; FNASc, Professor, *Department of Biochemistry, Indian Institute of Science, Bengaluru 560012*; HE-122, Indian Institute of Science, Bengaluru 560 012 [Tel (080) 22933055 (O), 97-318-81206 (M); Email nganesh@iisc.ac.in]; **SC: VIII.**





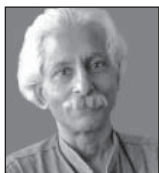
**2003: NAIR, Gopinath Balakrish** (*b* 1954), PhD, Sp: Medical and Molecular Microbiology; FASc, FNASc, FTWAS, Foreign Assoc US NAS, Fellow, American Academy of Microbiology, Independent Consultant, Former Director NICED & THSTI; Former Acting Regional Adviser, WHO, SEARO; *3E SFS Palace Court, T.C. 5/2380 (22), Pipe Lane Road, Kowdiar, Thiruvananthapuram 695003* [Tel (0471) 243-3857 (R), 99-998-29379 (M); Email [gbnair\\_2000@yahoo.com](mailto:gbnair_2000@yahoo.com)]; **Council:** Ad Mem 2010; **SC: IX.**



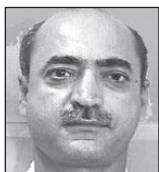
**2019: NANDICOORI, Vinay Kumar** (*b* 1969), PhD, Sp: Microbiology, Molecular Biology and Cell Signalling; FNASc, FASc, Director, Centre for Cellular & Molecular Biology, Habsiguda, Uppal Road, Hyderabad 500007; Staff Scientist VII, *Signal Transduction Lab 1, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110067*; A-12, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110067 [Tel (011) 2670-3789 (O), 98-914-97516 (M); Fax 2674-2125; Email [director@ccmb.res.in](mailto:director@ccmb.res.in), [vinaykn@ccmb.res.in](mailto:vinaykn@ccmb.res.in)]; **SC: VII.**



**2009: NANGIA, Ashwini** (*b* 1960), PhD, Sp: Organic Chemistry, Crystal Engineering, Pharmaceutical Cocrystals; Senior Professor, School of Chemistry, University of Hyderabad, Hyderabad 500046 [Tel (040) 2313-4800 (O), 98-481-55416, 91-722-06021 (M); Email [ashwini.nangia@gmail.com](mailto:ashwini.nangia@gmail.com)]; **Medal:** Golden Jubilee Commemoration (Chem Sc) (2016); **SC: III.**



**1998: NANJUNDIAH, Vidyanand** (*b* 1947), PhD, Sp: Developmental Biology, Evolution, Theoretical Biology; *Centre for Human Genetics, BioTech Park, Electronic City (Phase I), Bengaluru 560100*; 201, Bombay House, Home School Circle, 55 Kanakapura Road, Basavanagudi, Bengaluru 560004 [Tel (080) 2852-1832 (O), 2667-0631 (R); Fax 2852-1832; Email [vidyan@alumni.iisc.ac.in](mailto:vidyan@alumni.iisc.ac.in)]; **SC: VI.**



**2001: NAQVI, Syed Wajih Ahmad** (*b* 1954), PhD, Sp: Aquatic Biogeochemistry, Chemical Oceanography and Paleoceanography; FASc, FNASc, FTWAS, Geochemistry Fellow, Distinguished Visiting Professor, Department of Earth Sciences, Indian Institute of Technology, Kanpur 208016; VFA B4, IIT Kanpur 208016 [Tel (0522) 259-2158 (O), (0522) 259-8176 (R), 96-433-14093 (M); Email [naqvi@nio.org](mailto:naqvi@nio.org); Web <http://www.nio.org>]; **Lecture:** SK Mitra Memorial (2015); **Council:** Mem 2020-; **SC: IV.**



**2010: NARAHARI, Yadati** (*b* 1959), PhD, Sp: Game Theory and Artificial Intelligence; FASc, FNASc, FNAE, FIEEE, Professor, *Department of Computer Science and Automation, Indian Institute of Science, Bengaluru 560012*; No 65, 4th Cross Swimming Pool Extension, Malleswaram, Bengaluru 560003 [Tel (080) 2293-2773, 2293-2468, 2293-2368 (O), 2331-0265 (R); Fax 2360-2911/0683/0085; Email [narahari@iisc.ac.in](mailto:narahari@iisc.ac.in); Web <http://gtl.csa.iisc.ac.in/hari>]; **SC: V.**



**1978: NARAIN, Prem** (*b* 1934), PhD, DSc (Edinburgh), Sp: Statistical Genetics and Agricultural Statistics; FASc, FNASc, FNAAS, formerly Professor Emeritus, CSIR, Dean & Joint Director (Education), IARI & Director, IASRI; *29278 Glen Oaks Blvd. W., Farmington Hills, MI 48334-2932, USA* [Email [narainprem@hotmail.com](mailto:narainprem@hotmail.com), [premn877@gmail.com](mailto:premn877@gmail.com)]; **Lecture:** Dr GP Chatterjee Memorial (1987); INSA Honorary Scientist (2006-15); **SC: X.**

**2021: NARAIN, Sunita** (b 1961), DSc (Hon), Sp: Environment, Sustainable development, Public Policy, Science Outreach; Director General, *Centre for Science and Environment*, 41 Tughlakabad Institutional Area, New Delhi 110062; A17, Green Park (Main), New Delhi 110017 [Tel (011) 2995-5778 (O), 98-100-64207 (M); Email [sunita@cseindia.org](mailto:sunita@cseindia.org)]; **NC**.



**2002: NARASIMHAN, Ramarathnam** (b 1960), PhD, Sp: Fracture Mechanics, Computational Solid Mechanics; FASc, FNAE, Professor, *Department of Mechanical Engineering, Indian Institute of Science, Bengaluru 560012*; No 130, Third Main Road, Vinayaka Layout, Boopasandra, Bengaluru 560094 [Tel (080) 2293-2959 (O), 2341-9667 (R); Fax 2360-0648; Email [narasi@iisc.ac.in](mailto:narasi@iisc.ac.in)]; **Council**: Mem 2018-20; **SC**: V.



**2015: NARAYAN, Kavassery Sureswaran** (b 1964), MS, PhD, Sp: Device Physics, Organic Electronics, Photophysics & Biomolecular Electronics; FASc, FNAsc, Professor and Dean (R&D), *Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur, Bengaluru 560064*; B-502, Sterling Residency, RMV IInd Stage, Dollars Colony, Bengaluru 560094 [Tel (080) 2208-2822 (O), 99-166-19847 (M); Fax 2208-2766; Email [narayan@jncasr.ac.in](mailto:narayan@jncasr.ac.in)]; **SC**: II.



**1993: NARLIKAR, Anant Vishnu** (b 1940), PhD (Cantab), ScD (Cantab), Sp: Superconductivity & Nanostructures; FASc, FNAsc, formerly Director Grade Scientist, NPL, New Delhi; *211-212 Peace Point Colony, Behind Queens College, Khandva Road, Indore 452001*; Email [narlikar@yahoo.com](mailto:narlikar@yahoo.com)]; **Medal**: HJ Bhabha (1996); **SC**: II.



**1977: NARLIKAR, Jayant Vishnu** (b 1938), ScD (Cantab), Sp: Cosmology & Theoretical Astrophysics; FASc, FNAsc, FTWAS, Emeritus Professor, *Inter-Univ Centre for Astronomy and Astrophysics, Pune University Campus, Pune 411007*; 6, Khagol, S No. 38/1 Panchavati, Pashan, Pune 411008 [Tel (020) 2560-4100 (O), 2588-1150 (R); Fax 2560-4698; Email [jvn@iucaa.in](mailto:jvn@iucaa.in)]; **Medal**: INSA-Vainu Bappu Memorial (1988); Indira Gandhi Prize for Popularization of Science (1990); **Council**: Mem 1987-88; **SC**: II.



**2017: NATARAJAN, Saradha** (b 1954), PhD, Sp: Number Theory; INSA Senior Scientist, University of Mumbai-Department of Atomic Energy, Centre for Excellence in Basic Sciences, Mumbai 400098; B-706, Everard Towers, Everard Nagar, Eastern Express Highway, Sion, Mumbai 400022 [Tel 91-672-84541 (O), 98-923-61908 (M); Email [saradha54@gmail.com](mailto:saradha54@gmail.com)]; **SC**: I.



**2013: NATARAJAN, Srinivasan** (b 1960), PhD, Sp: Inorganic Materials Chemistry, FASc, FNAsc, Professor, *Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560012*; Flat No. 4, 2A Ram Elegance, 4th Main, 7th Cross Naidu Layout RMV 2nd Stage, Bengaluru 560094 [Tel (080) 2293-2551 (O), 2341-7591 (R), 94-489-37430 (M); Fax 2360-1310 2360-0683; Email [snatarajan@iisc.ac.in](mailto:snatarajan@iisc.ac.in), [rajan1960@gmail.com](mailto:rajan1960@gmail.com); Web <http://ssc.uisc.ac.in/faculty/prof-srinivasan-natarajan/>]; **Lecture**: Professor S Swaminathan 60th Birthday Commemoration (2019); **SC**: III.





**2020: NATH, Utpal** (b 1965), PhD, Sp: Leaf Morphogenesis; FASc, FNASc, Associate Professor, *Department of Microbiology & Cell Biology, Indian Institute of Science, Bengaluru 560012*; B-305, Brigade Gateway, 26/1 Dr. Rajkumar Road, Malleswaram West, Bengaluru 560055 [Tel (080) 2293-2414 (O), 4114-8064 (R), 94-489-70438 (M); Fax 2360-2697; Email [utpalnath@iisc.ac.in](mailto:utpalnath@iisc.ac.in)]; **SC: VI.**



**2014: NAUTIYAL, Chandra Shekhar** (b 1956), PhD, Sp: Plant-Microbe Interactions & Soil Microbiology and Holistic Human Health; FNASc, FNAAS, Scientific Advisor, Swami Rama Himalayan University, Jolly Grant University, Doiwala, Dehradun 248140; formerly Director, CSIR-National Botanical Research Institute, Rana Pratap Marg, PO Box 436, Lucknow 226001; *Vice-Chancellor, Doon University, Mothrowala Road, Kedarpur, Dehradun 248001*; *Swami Ram Himalayan University, Jolly Grant University, Doiwala, Dehradun 248140* [Tel 63-959-22202, 94-155-11111 (M); Email [csnbri@yahoo.com](mailto:csnbri@yahoo.com), [nautiyalnri@lycos.com](mailto:nautiyalnri@lycos.com)]; **SC: X.**



**1988: NAYAK, Nabeen Chandra** (b 1931), MD, Sp: Pathology, Liver Diseases & Cancer; FASc, FAMS, FRCPath, Senior Consultant and Head, *Department of Histopathology & Chairman, Research Committee, Sir Ganga Ram Hospital, Rajinder Nagar, New Delhi 110060*; Emeritus Professor of Pathology, AIIMS, New Delhi; formerly Head, Department of Pathology and Chief of Cancer Hospital, AIIMS, New Delhi; Chairman, Pathology and Director Hospital Laboratory Services, Faculty of Medicine, Kuwait University; X-29, Hauz Khas, New Delhi 110016 [Tel 70-424-65558 (M), 2656-8171 (R), Fax 2656-8171 (R); Email [dr\\_ncnayak@yahoo.com](mailto:dr_ncnayak@yahoo.com)]; **SC: IX.**



**2021: NAYAK, Shailesh** (b 1953), PhD, Sp: Earth Sciences; FASc, FNASc, Director, *National Institute of Advanced Studies, Indian Institute of Science Campus, Bengaluru 560012*; 304, Purva Atria Platina, 3rd Main, 4th Cross, RMV Stage II, Bengaluru 560094 [Tel (080) 2360-1969, 2218-5076 (O), 98-682-62969 (M); Email [shailesh@nias.res.in](mailto:shailesh@nias.res.in), [shaileshnayak@hotmail.com](mailto:shaileshnayak@hotmail.com)]; **NC.**



**2021: NITSURE, Nitin** (b 1957), PhD, Sp: Mathematics; FASc, Former Professor, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400005; *C-1811 Maple Leaf, Rabeja Vihar, 119F/1A Tunga Village, Powai, Mumbai 400072* [Tel 9869020788 (M); Email: [nitsure@gmail.com](mailto:nitsure@gmail.com)]; Medal: INSA Young Scientist (1989); **SC: I.**

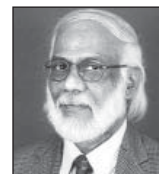


**1998: NITYANANDA, Rajaram** (b 1948), PhD, Sp: Optics, Statistical Physics, Gravitational Dynamics; FASc, FNASc, Retired as Professor, Azim Premji University, Bengaluru; *B-701, Mahaveer Riviera, Silver Oak Layout, 24 Main, Bengaluru 560078* [Tel 96-117-89391 (M); Email [rajaram.nityananda@gmail.com](mailto:rajaram.nityananda@gmail.com)]; **Lecture:** KS Krishnan Memorial (2004); **SC: II.**

**1988: NORI, Madhav Vithal** (b 1949), PhD, Sp: Algebraic Geometry, Commutative Algebra; *Department of Mathematics, The University of Chicago, 5734 S Univ Avenue, Chicago, IL 60637, USA* [Email mnori@uchicago.edu]; **Medal:** INSA Young Scientist (1980); **SC: I.**



**1985: PADMANABAN, Govindarajan** (b 1938), PhD, DSc (*hc*), Sp: Biochemistry, Molecular Biology & Malaria; FASc, FNASc, Honorary Professor, *Department of Biochemistry, Indian Institute of Science, Bengaluru 560012*; formerly Director, IISc, Bengaluru; No. 5, 8th Main Rd, Vyalikaval, Bengaluru 560003 [Tel (080) 2360-1492, 2394-2540 (O), 2334-2223 (R); Fax 2360-1492, 2360-0814; Email geepee@iisc.ac.in]; **Professorship:** INSA-CV Raman Research Professor (1991-96); **Medal:** SS Bhatnagar (1999); **Visiting Fellowship:** JL Nehru Birth Centenary (1991); INSA Senior Scientist (2013-15); **Council:** Mem 1991-92; **SC: VIII.**



**2020: PADMANABHAN, Janardhan** (b 1960), PhD, Sp: Solarwind, Space Weather, Solar Radio Studies, Solar Magnetic Fields, Comets; Senior Professor (H) and Dean (Retd.), Physical Research Laboratory, Navrangpura, Ahmedabad 380009; *E-5 PRL Residences, Vikramnagar, Ambli-Bopal Road, Ahmedabad 380058* [Tel (079) 2686-0261 (R), 94-282-46845 (M); Email jerry@prl.res.in, janardhan.padmanabhan@gmail.com]; **SC: II.**



**1980: PAI, Mangalore Anantha** (b 1931), BE (Univ of Madras), MS, PhD (UC Berkeley), Sp: Power System Dynamics, Power System Control & Computation; Professor Emeritus, *Department of Electrical and Computer Engineering, University of Illinois, Urbana-Champaign, Urbana IL 61801, USA*; 33 Rockwood, Irvine, CA 92614, USA [Tel 217-344-0977 (O), 217-417- 9725 (M); Email mapai@illinois.edu, mapai@uiuc.edu]; **SC: V.**



**2016: PAL, Amlan Jyoti** (b 1960), PhD, Sp: Device Physics, Organic Electronics, Materials Engineering; FASc, FNAE, FNASc, JC Bose National Fellow and Director, *UGC-DAE Consortium for Scientific Research, Indore 452001*; Senior Professor, School of Physical Sciences, *Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700032*; A-4/11/44, Calcutta Greens Towers, 1050/2 Survey Park, Kolkata 700075 [Tel (0731) 246-3913, (033) 2956-0222 (R), 94-330-59564 (M); Fax (033) 2473-2805; Email sspajp@iacs.res.in, amlan.pal@gmail.com; Web <http://iacs.res.in/faculty-profile.html?id=73>]; **SC: II.**



**1990: PAL, Manoj Kumar** (b 1932), DPhil, Sp: Theoretical Nuclear Physics; FASc, *SN Bose National Centre for Basic Sciences, JD Block, Sector 3, Salt Lake City, Kolkata 700091*; 41, Elgin Road (IB), Kolkata 700020 [Tel (033) 2358-5708 (O), 2475-6829 (R)]; **SC: II.**



**2011: PAL, Nikhil Ranjan** (b 1959), PhD, Sp: Computational Intelligence-Fuzzy Logic, Neural Networks and Evolutionary Computing, Machine Learning, and Artificial Intelligence; FNASc, FNAE, FTWAS, FIEEE, *Electronics and Communication Sciences Unit, Indian Statistical Institute, 203 BT Road, Kolkata 700108* [Tel (033) 2575-2906 (O), 94-339-05237 (M); Fax 2575-2914; Email nikhil@isical.ac.in, nrpal59@gmail.com; Web [www.isical.ac.in/~nikhil](http://www.isical.ac.in/~nikhil)]; **SC: V.**





**1994: PAL, Sankar Kumar** (b 1950), PhD (Cal & Lond), DIC, Sp: Computer Science, Soft Computing and Machine Intelligence, Pattern Recognition and Image/Video Processing, Fuzzy Systems & Neural Learning, Data Mining and Social Network Analysis, Bioinformatics, Cognitive Machines and Machine-Mind Development, Data Science and Deep Learning; FNASc, FASc, FNAE, FTWAS, FIEEE, National Science Chair (SERB-DST), ISI-Emeritus Professor, AICTE Distinguished Chair Professor, formerly Distinguished Scientist and Director, *Indian Statistical Institute, 203, BT Road, Kolkata 700108*; formerly DAE Raja Ramanna Fellow, JC Bose National Fellow, INAE Chair Professor; B-4, Lake View Park, PO ISI, Kolkata 700108 [Tel (033) 2575-2041 (D), 2575-2040, 2575-3100 (O), 2464-8775, 2577-2030 (R); Fax 2578-8699, 2578-3357; Email [sankar@isical.ac.in](mailto:sankar@isical.ac.in), [sankarpal@yahoo.com](mailto:sankarpal@yahoo.com); Web <http://www.isical.ac.in/~sankar>]; **Medal:** SH Zaheer (2001); **Lecture:** JL Nehru Birth Centenary (2017); INSA Distinguished Professor (2018-20); **SC: V.**



**2003: PAL, Sourav** (b 1955), PhD, Sp: Theoretical Chemistry, Electronic Structure Theory, Ab initio Quantum Chemistry; FASc, FNASc, FRSC, Director, *Indian Institute of Science Education and Research, Kolkata, Mohanpur 741246, Nadia, West Bengal*; Director's Bungalow, IISER Kolkata campus, Mohanpur 741246, West Bengal [Tel (033) 6634-0012 (O), 6634-0013 (R); Fax 2502-8002; Email [s.pal@iiserkol.ac.in](mailto:s.pal@iiserkol.ac.in), [s.pal@ncl.res.in](mailto:s.pal@ncl.res.in), [spal@chem.iitb.ac.in](mailto:spal@chem.iitb.ac.in); Web <http://www.chem.iitb.ac.in>, [www.iiserkol.ac.in](http://www.iiserkol.ac.in)]; **Medal:** INSA Young Scientist (1987); **Lecture:** Dr Jagdish Shankar Memorial (2006); Professor Sadhan Basu Memorial (2014); **Council:** Mem 2018-20; **SC: III.**



**2014: PALANIANDAVAR, Mallayan** (b 1951), PhD, Sp: Bioinorganic Chemistry of DNA, Copper and Iron: Activation of Molecular Oxygen, Functional Models for Metalloproteins, Interaction of Metal Complexes with DNA and Proteins, Metal-based Anticancer Drugs; FASc, FRSC, *Department of Chemistry, Bharathidasan University, Tiruchirappalli 620023*; 10, Gokulam Colony, Tiruchirappalli 620023 [Tel (0431) 245-7510 (R), 94-436-44758 (M); Email [palanim51@yahoo.com](mailto:palanim51@yahoo.com), [palaniandavarm@gmail.com](mailto:palaniandavarm@gmail.com), [palaniandavar@bdu.ac.in](mailto:palaniandavar@bdu.ac.in)]; **SC: III.**



**2014: PALIT, Dipak Kumar** (b 1957), PhD, Sp: Radiation and Photochemistry, Ultrafast Spectroscopy and Chemical Reaction Dynamics; FASc, FNASc, Emeritus Professor, *UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai, Kalina Campus, Santacruz (E), Mumbai 400098*; Flat No. B22-03, Neptune Building, Suncity Housing Complex, A.S. Marg, Powai, Mumbai 400076 [Tel (022) 2578-4128 (R), 99-691-49589 (M); Email [palitdk@gmail.com](mailto:palitdk@gmail.com), [dkpalit@cbs.ac.in](mailto:dkpalit@cbs.ac.in)]; **SC: III.**



**2013: PALNI, Lok Man Singh** (b 1953), PhD, Sp: Plant Physiology & Biotechnology, Plant-Microbe Interactions, Himalayan Issues; FNASc, FNAAS, Professor & Vice Chancellor, *Graphic Era (Deemed) University, Clement Town, Dehradun 248002*; formerly Director, GB Pant National Institute of Himalayan Environment & Sustainable Development, Almora; Flat 1-A/B, Riturain, Woldorf Compound, Nr. Vijaya Bank, Nainital 263001, Uttarakhand [Tel 84-759-96514, 94-567-48720 (M); Email [lmspalni@rediffmail.com](mailto:lmspalni@rediffmail.com)]; **SC: X.**



**2018: PANDA, Dulal** (b 1964), PhD, Sp: Biochemistry, Cell Biology and Biophysics; FNASc, FASc, Chair Professor, *Department of Biosciences & Bioengineering, Indian Institute of Technology Bombay, Mumbai 400076*; Apt B245, ARAVALI, Hill Side, Indian Institute of Technology Bombay, Mumbai 400076 [Tel (022) 2576-7838, 2576-4796 (O), 2572-0281 (R), 98-203-91591 (M); Fax 2572-3480; Email [panda@iitb.ac.in](mailto:panda@iitb.ac.in)]; **SC: VIII.**

**2010: PANDA, Subrat Kumar** (b 1954), MBBS, MD, Sp: Liver Pathology and Virology of Hepatitis Viruses; FASc, FAMS, E-64, Sector Beta-1, Greater Noida, Gautam Budh Nagar, Uttar Pradesh 201310 [Tel 98-104-77853, 99-681-73829 (M); Email subrat@gmail.com, pandask@hotmail.com]; **SC: IX.**



**2015: PANDA, Sudhakar** (b 1959), PhD, Sp: Field Theory, String Theory, Supergravity and String Cosmology; FASc, FNASc, JC Bose National Fellow, Director, National Institute of Science Education and Research, Post. Jatni, Khurda 752050, Odisha [Tel (0674) 249-4002 (O), 249-4500 (R), 94-375-59215 (M); Email director@niser.ac.in, panda@niser.ac.in]; **SC: II.**



**2004: PANDEY, Dhananjai** (b 1952), PhD, Sp: Condensed Matter Physics, Materials Science, Crystallography, Structural Phase Transitions; FASc, School of Materials Science and Technology, Indian Institute of Technology, Banaras Hindu University, Varanasi 221005; formerly Director, Indian Institute of Technology, BHU, Varanasi; H-7, VDA Flats, Ravindrapuri Extension, Varanasi 221005 [Tel (0542) 670-1790 (O), 231-4658 (R), 94-530-48510 (M); Fax 236-8174, 236-8428; Email dpandey\_bhu@yahoo.co.in, dp.mst1979@gmail.com]; **Medal:** INSA Young Scientist (1980); **Council:** Mem 2016-17; **SC: II.**



**1999: PANDEY, Ganesh Prasad** (b 1954), PhD, Sp: Organic Chemistry; FASc, FNASc, Distinguished Professor, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi 221005; A-198, Omaex City, Amar Shahid Path, Raebareli Road, Lucknow 226025 [Tel (0522) 434-9432 (R), 99-701-71802 (M); Email ganesh.pandey1@bhu.ac.in, gp8577@gmail.com; Web <http://www.bhu.ac.in/science/chemistry/>]; **Medal:** Professor TR Seshadri 70th Birthday Commemoration (2003); **Lecture:** Professor S Swaminathan 60th Birthday Commemoration (2013); **Council:** Ad Mem 2009, 2013, Mem 2017-19; **SC: III.**



**1987: PANDIAN, Thavamani Jegajothivel** (b 1939), PhD, Dr rer nat (Kiel, Germany), DSc (CIFE, Mumbai), Sp: Animal Sciences & Fish Genetics; FASc, FNASc, FNAAS, FTWAS, formerly National Professor, School of Biological Sciences, Madurai Kamaraj University, Madurai 625021; 9, Old Natham Road, Madurai 625014 [Tel (0452) 264-0139 (R), 98-421-64139 (M); Email tjpandian16@gmail.com]; **Council:** Mem 1990, Ed Pub 1991-94; **SC: VI.**



**2009: PANDIT, Aniruddha Bhalchandra** (b 1957), PhD (Tech), Sp: Chemical Engineering, Design of Multiphase Reactors, Bubble Dynamics and Cavitation Phenomena; FASc, FNASc, FNAE, FTWAS, Vice Chancellor and UGC Research Scientist C (Professor's Grade), Chemical Engineering Department, Institute of Chemical Technology, Mumbai 400019; E-3, Prashant Co-op Housing Society, Senapati Bapat Marg, Mahim, Mumbai 400016 [Tel (022) 3361-1111 (O), 2430-2660 (R); Fax 3361-1020; Email ab.pandit@ictmumbai.edu.in, dr.pandit@gmail.com, nanapandit@yahoo.co.uk]; **Award:** INSA Teachers Award (2012); **Medal:** Vishwakarma (2015); **SC: V.**





**2017: PANDIT, Maharaaj Krishan** (*b* 1958), PhD, Sp: Plant Sciences, Ecogenomics, Conservation Biology; FNASc, Dean, Faculty of Science, Professor & Head, Department of Environmental Studies & Director, CISMHE, University of Delhi, Delhi 110007; *L-3/19, DLF Phase 2, Gurugram 122002* [Tel (011) 2766-7125 (O), (0124) 420-1173 (R), 98-110-47018 (M); Email [mkpandit@cismhe.org](mailto:mkpandit@cismhe.org), [rajkpandit@gmail.com](mailto:rajkpandit@gmail.com); Web [www.maharaajpandit.com](http://www.maharaajpandit.com)]; **SC: VI.**



**2006: PANDIT, Rahul** (*b* 1956), PhD (Illinois), Sp: Statistical Mechanics of Phase Transitions, Condensed Matter Theory, Spatiotemporal Chaos, Mathematical Models for Cardiac Tissue and Turbulence; FASc, FTWAS, Honorary Professor, *Department of Physics, Indian Institute of Science, Bengaluru 560012* [Tel (080) 2293-2863 (O), 2664-7689 (R) 98-452-30684 (M); Fax 2360-2602; Email [rahul@iisc.ac.in](mailto:rahul@iisc.ac.in); Web <http://www.physics.iisc.ac.in/~rahul/>]; **Medal:** INSA Young Scientist (1988), Satyendranath Bose (2021); **SC: II.**



**2018: PARAMESWARAN, Aryampilly Jayanthan** (*b* 1962), PhD, Sp: Algebraic Geometry; FASc, Professor (I), *School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400005*; 102 Satyendra, TIFR Housing Colony, Homi Bhabha Road, Colaba, Mumbai 400005 [Tel (022) 2278-3222 (O), 90-041-99416 (M); Email [param@math.tifr.res.in](mailto:param@math.tifr.res.in)]; **Medal:** INSA Young Scientist (1994); **SC: I.**



**2010: PARANJAPE, Kapil Hari** (*b* 1960), PhD, Sp: Geometry; Professor of Mathematics, *Indian Institute of Science Education and Research, Mohali, Sector 81, SAS Nagar, Manauli PO 140306, Punjab*; D/5, IISER, Knowledge City, Sector 81, SAS Nagar, Manauli PO 140306 [Tel (0172) 229-3110 (O); Email [kapil@iisermohali.ac.in](mailto:kapil@iisermohali.ac.in)]; **Council:** Mem 2019-21; **SC: I.**



**2022: PARIDA, Swarup Kumar** (*b* 1979), PhD, Sp: Genomics-Assisted Breeding for Crop Improvement, Molecular Genetics, Molecular Breeding, Agriculture Biotechnology; FNASc, FNAAS, Scientist IV, *National Institute of Plant Genome Research (NIPGR), (Lab No. 109), Aruna Asaf Ali Marg, P.O. Box No. 10531, New Delhi-110067*; National Institute of Plant Genome Research (NIPGR) (H-III/103), Aruna Asaf Ali Marg, P.O. Box No. 10531, New Delhi-110067 [Tel (011) 2673-5228 (O), 2673-5194 (R), 99-682-07166 (M); Fax 2674-1658; Email [swarup@nipgr.ac.in](mailto:swarup@nipgr.ac.in), [swarupdbt@gmail.com](mailto:swarupdbt@gmail.com)]; **SC: X.**



**1990: PARIMALA, Raman** (*b* 1948), PhD, Sp: Algebra; FASc, Professor, *Department of Mathematics and Computer Science, Emory University, 400 Dowman Drive W 401, Atlanta, GA 30322, USA*; 848, Artwood Road, GA 30307, USA [Tel (001-404) 727-7577 (O), 444-8870 (R); Fax 727-5611; Email [parimala@mathcs.emory.edu](mailto:parimala@mathcs.emory.edu)]; **Medal:** Srinivasa Ramanujan (2006); **Lecture:** JL Nehru Birth Centenary (2004); **Council:** Mem 2000-02; **SC: I.**



**2004: PARNAIK, Veena K** (*b* 1953), PhD, Sp: Cell and Molecular Biology, FASc, *CSIR-Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500007*; 103, Vinay Vihar, Str No 11, Tarnaka, Hyderabad 500017 [Tel 98-850-86220 (M); Email [veenap@csircmb.org](mailto:veenap@csircmb.org), [veenaparnaik@gmail.com](mailto:veenaparnaik@gmail.com)]; INSA Senior Scientist (2016-18); **SC: VII.**

**1986: PARODA, Rajendra Singh** (b 1942), PhD, DSc (*hc*), Sp: Plant Breeding & Genetics; FNAS, FNAAS, FTWAS, Chairman, *Trust for Advancement of Agricultural Sciences (TAAS), Avenue II, IARI, Pusa Campus, New Delhi 110 012*; formerly Secretary, DARE & DG, ICAR, Executive Secretary, Asia-Pacific Association of Agricultural Research Institutions (APAARI), Chairman, Haryana Farmers' Commission; President, Indian Science Congress (2000-2001); President, NAAS; Founder Chairman, GFAR [Telefax (011) 2584-3243 (O), (0124) 408-9343 (R), 98-101-91486 (M); Email raj.paroda@gmail.com, taasiari@gmail.com]; **Medal:** Silver Jubilee Commemoration (2000); **Council:** Ad Mem 1999; **SC: X.**



**2013: PARTHASARATHY, Gopalakrishnarao** (b 1958), PhD, Sp: Earth and Planetary Science, Mineralogy, High-Pressure Mineral Physics, Nanogeoscience, Condensed Matter Physics, Materials Science, Environmental Science; FRSC, INSA Senior Scientist, Adjunct Professor, School of Natural and Engineering Sciences, National Institute of Advanced Studies, Indian Institute of Science Campus, Bengaluru 560012; Adjunct Professor, Marine Geology, Mangalore University, Mangalagangothri, Karnataka 574199; Residence: *"Anannyyaa", T-9 (old 121), 35<sup>th</sup> Cross, 14<sup>th</sup> Main, 4<sup>th</sup> T Block, Jayanagar, Bengaluru 560041* [Tel (080) 2218-5112 (O) 96-061-21365, 78-936-15248 (M); Email partha.nias@gmail.com, drg.parthasarathy@gmail.com]; **SC: IV.**



**1976: PARTHASARATHY, Kalyanapuram Rangachari** (b 1936), PhD, Sp: Probability Theory & Quantum Information Theory; FASc, FNASc, FTWAS, Emeritus Scientist (formerly Distinguished Scientist), *Indian Statistical Institute, 7, SJS Sansannal Marg, New Delhi 110016*; A-51, Gyandeept Apts, Plot 8, Mayur Vihar, Phase I, Delhi 110091 [Tel (011) 4149-3923 (O), 4984-6959 (R); Fax 4149-3981; Email krp@isid.ac.in]; **Professorship:** INSA-CV Raman Research Professor (1996-2001); **Medal:** Srinivasa Ramanujan (2013); **Council:** Mem 1983-85; **SC: I.**



**1985: PARTHASARATHY, Rajagopalan** (b 1945), PhD, DSc (*hc*), Sp: Representations of Lie Groups; FASc, FNASc, former Senior Professor, School of Mathematics, TIFR, Mumbai; *Villa B-75, Nananani Homes Phase 3, Kulathupalayam Dhaliyur Road, Coimbatore 641109* [Tel 95-002-33213 (M); Email sarathy.math.tifr@gmail.com]; INSA Senior Scientist (2016-18); **SC: I.**



**1995: PARTHASARATHY, Thiruvengkatachari** (b 1941), PhD, Sp: Game Theory & Mathematical Programming; FASc, INSA Senior Scientist, Indian Statistical Institute, 37/110, Nelson Manikham Road, Chennai 600029; *No 1, 43rd Street, Nanganallur, Chennai 600061* [Tel (044) 2224-3130 (R), 98-408-56926 (M); Email pacha14@yahoo.com]; **SC: I.**



**2015: PATHAK, Himanshu** (b 1965), PhD, Sp: Agricultural Sciences; FNASc, FNAAS, Director, *ICAR-National Institute of Abiotic Stress Management, Baramati, Pune, Maharashtra 413115*; Director's Residence, NIASM, Baramati, Pune, Maharashtra 413115 [Tel (02112) 254-055 (O), 98-992-47590 (M); Email hpathak.iari@gmail.com]; **Medal:** Silver Jubilee Commemoration (2016); **SC: X.**





**2009: PATHAK, Kare Narain** (b 1941), PhD, Sp: Condensed Matter Physics, Solid State Physics; FASc, FNASc, formerly VC & Professor Emeritus, NASI Honorary Scientist, *Department of Physics, Panjab University, Chandigarh 160014* [Tel (0172) 253-4467 (O), 269-9944 (R); Fax 278-3336; Email knpathak26@gmail.com, pathak@pu.ac.in]; INSA Senior Scientist (2011-15); **Council:** Mem 2014-16; **SC: II.**



**2019: PATI, Swapan Kumar** (b 1968), PhD, Sp: Solid State Sciences; FASc, FNASc, FTWAS, Professor, *Theoretical Sciences Unit, Jawaharlal Nebru Centre for Advanced Scientific Research (JNCASR), Jakkur Campus, Jakkur, Bengaluru 560064; #47, IIIrd Phase, Royal Enclave, Srirampura, Jakkur, Bengaluru 560064* [Tel (080) 2208-2839 (O), 94-485-60474 (M); Fax 2208-2767; Email pati@jncasr.ac.in; Web www.jncasr.ac.in/pati/]; **SC: III.**



**2022: PATIL, Nitin Tukaram** (b 1975), PhD, Sp: Synthetic Organic Chemistry; Associate Professor, *Department of Chemistry, Indian Institute of Science Education and Research (IISER) Bhopal, Bhopal 462066; Flat-203, Tower B, Indian Institute of Science Education and Research (IISER) Bhopal, Bhopal Bypass Road, Bhauri, Bhopal 462066* [Tel (755) 269-1351 (O) 85-549-51605 (M); Fax 269-2392; Email npatil@iiserb.ac.in]; **Medal:** INSA Young Scientist (2010); **SC: III.**



**1992: PATNAIK, Lalit Mohan** (b 1946), PhD, DSc, Sp: Computer Science and Engineering, Electronics & Information Technology; FASc, FNASc, FNAE, FTWAS, Adjunct Professor, *National Institute of Advanced Studies, Bengaluru 560012*; formerly VC, Defence Institute of Advanced Technology, Pune; Apartment No 313, Sriniket Apts, 19/8, First Cross, MS Ramaiah College Road, Mathikere, Bengaluru 560054 [Tel (080) 2293-2520, 2293-2246 (O), 2360-2635 (R); Email patnaiklm@yahoo.com, lalitblr@gmail.com; Web www.lmpatnaik.in]; INSA Senior Scientist (2015-19); **Council:** Mem 2004-06; **SC: V.**



**2016: PATRA, Amit Kumar** (b 1966), PhD, Sp: Atmospheric and Ionospheric Physics, Radar Probing Techniques; FASc, Director, *National Atmospheric Research Laboratory, PO Box 123, Tirupati 517502*; E1 NARL Quarters, Prakasam Nagar, SV University Campus Post, Tirupati 517502 [Tel (08585) 272-010 (O), (0877) 224-8099 (R), 99-596-71098 (M); Fax 272-018; Email akpatra@narl.gov.in]; **SC: IV.**



**1993: PAUL, Dalim Kumar** (b 1939), PhD (Leeds), DSc (Cal), Sp: Geochemistry, Isotope Geology and Petrology; FTWAS, INSA Honorary Scientist, *Department of Geology, Presidency College, Kolkata 700073*; formerly Director, ISM, Dhanbad; DDG, Geological Survey of India; BF 217, Salt Lake, Kolkata 700064 [Tel (033) 2219-2636 (O), 2337-4673 (R), 90-073-89217 (M); Email dalimpaul@yahoo.co.in]; **SC: IV.**



**2018: PAUL, Vinod Kumar** (b 1955), MBBS, MD, PhD, Sp: Pediatrics, Health Sciences, Basic and Clinical Sciences / Public Health; FAMS, FNASc, FASc, Member, *National Institution for Transforming India, NITI Aayog, Government of India, New Delhi 110001* [Tel (011) 2309-6809 (O), 2658-9702 (R), 98-110-42437 (M); Fax 2309-6810; Email vinodk.paul@gov.in, vinodkpaul@gmail.com]; **SC: IX.**

**2004: PENTAL, Deepak** (b 1951), PhD, DSc (bc) Sp: Breeding of Mustard, Transgenic Crops; FASc, FNAsc, FNAAS, CSIR-Distinguished Scientist, *Centre for Genetic Manipulation of Crop Plants, University of Delhi, South Campus, New Delhi 110021*; 4215, Pocket B 5/6, Vasant Kunj, New Delhi 110070 [Tel (011) 2411-2609, 2411-5203 (O), 98-108-43421 (M); Email dpental@gmail.com]; **Visiting Fellowship:** JLNehru Birth Centenary (2008); INSA Senior Scientist (2016-17); **Council:** Mem 2006-08; **SC: X.**



**2005: PERIASAMY, Mariappan** (b 1952), PhD, Sp: Organic Chemistry, Organometallics and Chiral Reagents Chemistry; FASc, Professor, *School of Chemistry, University of Hyderabad, Central University PO, Hyderabad 500046*; 158, Doyens Township, Serilingampally, RR District, Hyderabad 500019 [Tel (040) 2313-4814 (O), 2301-0904 (R), Fax 2301-2460; Email mpssc@uohyd.ernet.in, mariappan.periasamy@gmail.com]; **Lecture:** Professor S Swaminathan 60th Birthday Commemoration (2010); **SC: III.**



**2004: PERIASAMY, Nallagounder** (b 1946), PhD, Sp: Physical Chemistry; FASc, FNAsc, *Flat No 303 Golf Manor Apartments, 126 NAL Wind Tunnel Road, Murugeshpalya, Bengaluru 560017* [Tel 97-419-12592 (M); Email peri46@gmail.com]; **Lecture:** Professor RK Asundi Memorial (2009); **SC: III.**



**2018: PILLAI, Madhavan Radhakrishna** (b 1960), PhD, MRCPPath, FRCPath, Sp: Disease Biology; FASc, FNAsc, FAMS, Former Director, *Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram 695014*; Sarada Bhavanam, KP 8/110, House No. 111, Darsan Nagar, Thiruvananthapuram 695005 [Tel (0471) 234-7973 (O), 273-3819 (R), 99-951-99993 (M); Fax 234-6333; Email mrpillai@gmail.com]; **SC: IX.**



**2018: PILLAI, Vijayamohan Kunjukrishna** (b 1960), PhD, Sp: Electrochemistry, Materials Chemistry; FASc, Professor, *Indian Institute of Science Education and Research Tirupati, C/o Sree Rama Engineering College (Transit Campus), Rami Reddy Nagar, Karakambadi Road, Mangalam P.O. Tirupati 517507*; BRERA-48, Sowbhagya Lane, Burmah Road, Kumarapuram, Thiruvananthapuram 695011 [Tel 94-422-26929 (M); Email vijay@iisertirupati.ac.in, k.vijayamohan@gmail.com]; **SC: III.**



**2018: PODILE, Appa Rao** (b 1960), PhD, Sp: Plant-Microbe Interactions; FNAsc, FNAAS, FASc, JC Bose Fellow, Vice Chancellor, *University of Hyderabad, Prof. C.R. Rao Road, Central University P.O., Gachibowli, Hyderabad 500046*; Vice-Chancellor's Lodge, University of Hyderabad, Prof C.R. Rao Road, Central University, P.O. Gachibowli, Hyderabad 500046 [Tel (040) 2313-2000, 2301-0121 (O), 2301-0353 (R), 94-907-49922, 91-006-55777 (M); Fax 2301-1090; Email vc@uohyd.ac.in, podilerao@gmail.com]; **SC: X.**



**2022: PRABHAKARAN, Dorairaj** (b 1961), MD, DM, Sp: Cardiology, Epidemiology and Public Health; FNAsc, Vice President (Research and Policy) and Director, *Centre for Control of Chronic Conditions, Public Health Foundation of India, Plot No. 47, Sector 44, Near Huda City Metro Station, Gurgaon, Haryana 122002*; 4621, Dahlia Lane, Near Galleria Market, DLF Phase 4, Gurgaon, Haryana 122002 [Tel (0124) 478-1400 (O), 98-101-18696 (M); Email: dprabhakaran@phfi.org, dprabhakaran@ccdcindia.org]; **SC: IX.**





**2016: PRADEEP, Thalappil** (*b* 1963), PhD, Sp: Molecular and Nanoscale Materials, Nanoscience and Nanotechnology, Molecular Surfaces, Low Energy Ion Scattering, Instrumentation, Water Purification; FASc, FNAE, FNASc, FRSC, FTWAS, FAAAS, Institute Professor and Deepak Parekh Institute Chair Professor, *Department of Chemistry, Indian Institute of Technology Madras, Chennai 600036*; Flat No. 7D, ASV Jayantika, #164, Velachery Main Road, Chennai 600042 [Tel (044) 2257-4208 (O), 4201-4246 (R), 94-455-60767 (M); Fax 2257-0545/0509; Email pradeep@iitm.ac.in; Web <https://pradeepresearch.org/>]; **Medal:** Vishwakarma (2021); **SC:** III.



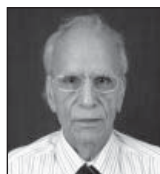
**2012: PRADHAN, Akshay Kumar** (*b* 1956), PhD, Sp: Plant Genetics and Molecular Plant Breeding; FNASc, FNAAS, INSA Senior Scientist, Centre for Genetic Manipulation of Crop Plants (CGMCP), 1<sup>st</sup> Floor, Biotech Centre, *University of Delhi, South Campus, Benito Juarez Road, New Delhi 110021*; 1052, Joy Apartment, Plot No 2, Sector 2, Dwarka Phase 1, New Delhi 110075 [Tel (011) 2411-2322 (O), 98-717-48739 (M); Fax 2411-6392; Email pradhancgmcp@gmail.com]; **SC:** X.



**2015: PRADIP** (*b* 1956), PhD, Sp: Materials Science and Mineral Engineering, Particle Science and Technology; FNAE, Foreign Fellow, NAE (USA), formerly Vice-President, Tata Consultancy Services (TCS), Chief Scientist and Head, Process Engineering Innovation Lab, Tata Research Development & Design Centre (a division of TCS); *A3/504, Oxford Village Classic, Wanowrie, Pune 411040* [Tel (020) 6522-6764 (R), 92-255-18568 (M); Email pradip18568@gmail.com]; **SC:** V.



**1984: PRAKASA RAO, Bhagavatula Lakshmi Surya** (*b* 1942), PhD, Sp: Mathematical Statistics; FASc, FNASc, Professor Emeritus, Indian Statistical Institute and INSA Senior Scientist, CR Rao Advanced Institute of Mathematics, Statistics & Computer Science, University of Hyderabad Campus, Prof. C. R. Rao Road, Gachibowli, Hyderabad 500046; formerly Distinguished Scientist and Director, Indian Statistical Institute, Kolkata; *Apt 510, House No 1-1-770/A, Vishnu Residency, C Block, Gandhi Nagar, Hyderabad 500080* [Tel 99-491-85041 (M); Email blsprao@gmail.com]; **Council:** Ed Pub 1991-93; **SC:** I.



**1983: PRAKASH, Satya** (*b* 1929), PhD, Sp: Plasma Physics, Upper Atmospheric Physics and Space Borne Payloads; FASc, FNASc, formerly Senior Professor, Upper Atmosphere and Space Physics, PRL, Navrangpura, Ahmedabad; *Satya Prakash Care of Pankaj Prakash, 28, Pannalal Road, Prayagraj, Allahabad 211002* [Tel (+1) 898-059-9794; Email sprakash\_prl@yahoo.com]; **SC:** II.



**2003: PRASAD, Dipendra** (*b* 1960), PhD (Harvard), Sp: Automorphic Form, Number Theory; FASc, FNASc; Professor, *Department of Mathematics, Indian Institute of Technology Bombay, Powai, Mumbai, 400076*; 220 Aravalli, Indian Institute of Technology Bombay, Mumbai 400076 [Tel (022) 2576-7477 (O), 2576-8477 (R), 99-309-88824 (M); Email prasad.dipendra@gmail.com]; **SC:** I.



**1982: PRASAD, Gopal** (*b* 1945), PhD, Sp: Lie & Algebraic Groups; FASc, Raoul Bott Professor Emeritus, *Department of Mathematics, University of Michigan, Ann Arbor, MI 48109, USA*; formerly Professor, School of Mathematics, TIFR, Mumbai; 2863 Leslie Park Cir., Ann Arbor, MI 48105, USA [Tel (734) 647-4468 (O), (734) 585-5487 (R); Fax 763-0937; Email gprasad@umich.edu]; **SC:** I.

**2006: PRASAD, Guntupalli Veera Raghavendra** (b 1958), PhD, Sp: Vertebrate Palaeontology, Biostratigraphy, Palaeobiogeography, Evolution of Mesozoic Mammals; Professor, *Department of Geology, Centre for Advanced Studies, University of Delhi, Delhi 110007*; A-I/8, Type V Quarters, University of Delhi, Maurice Nagar, Delhi 110007 [Tel (011) 2766-7073 (O), 2766-2568 (R), 98-682-07140 (M); Email guntupalli.vrprasad@gmail.com, pguntupalli@rediffmail.com]; **Council:** Mem 2018-20; **SC: IV.**



**2017: PRASAD, Manoj** (b 1970), PhD, Sp: Plant Genetics & Genomics, Stress Biology; FNAAS, FNASc, Staff Scientist VII (Professor) & JC Bose National Fellow, *National Institute of Plant Genome Research (NIPGR), Aruna Asaf Ali Marg, JNU Campus, New Delhi 110067*; Adjunct Professor, Department of Plant Sciences, University of Hyderabad, Hyderabad, Telangana 500046; House No. H-VB-D1-003, NIPGR, Aruna Asaf Ali Marg, JNU Campus, New Delhi 110067 [Tel (011) 2673-5160 (O), 2673-5147 (R), 88-001-84445, 98-683-16379 (M); Fax 2674-1658; Email manoj\_prasad@nipgr.ac.in, prasadmanoj1970@gmail.com; Web [http://nipgr.ac.in/research/dr\\_mprasad.php](http://nipgr.ac.in/research/dr_mprasad.php)]; **SC: X.**



**2019: PRASAD, Nagaraj Guru** (b 1974), PhD, Sp: Evolutionary Genetics; Associate Professor, *Indian Institute of Science Education and Research Mohali, Sector 81, SAS Nagar, PO Manauli, Punjab 140306*; H. No. 104, MJ Block, Indian Institute of Science Education and Research Mohali, Sector 81, SAS Nagar, PO Manauli, Punjab 140306 [Tel (0172) 224-0266 (O), 98-724-36249 (M); Fax 224-0124; Email prasad@iisermohali.ac.in, ngprasa@gmail.com]; **SC: VI.**



**1987: PRASAD, Phoolan** (b 1944), PhD, Sp: Theory of Wave Propagation, Partial Differential Equations & Fluid Dynamics; FASc, FNASc, formerly Honorary Professor & DAE Raja Ramanna Fellow, Professor in Super-Time Scale, Chairman and MSIL Chair Professor, *Department of Mathematics, Indian Institute of Science, Bengaluru 560012*; 927-28, 7th Cross, HMT Layout, Mathikere PO, Bengaluru 560054 [Tel (080) 2293-2711 (O), 2337-1039 (R), 94-484-61299 (M); Fax 2360-0146; Email prasadp@alumni.iisc.ac.in, phoolan.prasad@gmail.com]; **SC: I.**



**1990: PRASAD, Rajendra** (b 1936), PhD (Mississippi State), Sp: Agronomy, Soil Fertility & Fertilizers, Cropping Systems; FNASc, FNAAS, formerly ICAR National Professor, Division of Agronomy, IARI, New Delhi; *6695 Meghan Rose Way, East Amherst, NY 14051, USA* [Tel (+1) 716-868-1540 (R); Email rajuma36@gmail.com]; INSA Honorary Scientist (2007-15); **SC: X.**



**2002: PRASAD, Rajendra** (b 1947), PhD, Sp: Membrane Biology, Biochemistry, Fungal Genetics; FASc, FNASc, Dean, *Faculty of Science, Engineering and Technology, Director, Amity Institute of Integrative Sciences and Health & Amity Institute of Biotechnology, Amity University Haryana, Amity Education Valley, Gurugram 122413*; D2-002, The Legend, Sector 57, Sushant Lok, Phase-III, Gurugram 122001 [Tel (0124) 233-7015 Ext 1111 (O), 257-3443 (R); Email rprasad@ggn.amity.edu, rp47jnu@gmail.com; Web <http://www.jnu.ac.in/FacultyStaff/ShowProfile.asp?SendUserName=rp>]; **Council:** VP 2014-16; **SC: VIII.**





**1994: PRASAD, Surendra** (b 1948), PhD, Sp: Signal Processing & Communications; FASc, FNAE, Professor, *Department of Electrical Engineering, Indian Institute of Technology, Hauz Khas, New Delhi 110016* [Tel (011) 2659-6201 (O), 2658-2022, 2659-1801 (R); 98-103-50517 (M); Fax 2658-2659; Email sprasad@ee.iitd.ernet.in]; **Lecture:** KS Krishnan Memorial (2010); **Council:** VP 2002-04; **SC:** V.



**1990: PRASAD, Yellapregada VRK** (b 1944), PhD, Sp: Metallurgical Engineering-Mechanical Metallurgy & Processing; formerly Professor, *Department of Materials Engineering, Indian Institute of Science, Bengaluru 560012*; B/2, Hospital Ext, Vinayakanagar Layout, Hebbal, Bengaluru 560024 [Tel (080) 2333-0673, Email prasad\_yvrk@hotmail.com]; **SC:** V.



**1994: PRASADA RAO, Palle Deva** (b 1941), PhD, Sp: Neuro-endocrinology, Neurobiology & Fisheries; FNASc, National Environmental Engineering Research Institute, Nagpur; formerly Professor & Head, Department of Zoology, Nagpur University, Nagpur; *9-Deotale Layout, Nagpur University Campus, Nagpur 440033* [Tel (0712) 224-9010 (R), 94-236-32159 (M); Email prasadraopd99@gmail.com]; **Lecture:** Professor Har Swarup Memorial (2014); INSA Honorary Scientist (2012-15); **SC:** VI.



**1999: PRATHAP, Gangan** (b 1951), PhD, Sp: Computational Mechanics, Informetrics; FASc, Honorary Professor, APJ Abdul Kalam Technological University, Thiruvananthapuram 695016; formerly Director, National Institute of Science Communication and Information Resources, New Delhi; *56, Pebble Gardens, Njandoorkonam, Thiruvananthapuram 695587* [Tel (0471) 271-1956 (R); Email gangan\_prathap@hotmail.com]; **SC:** V.



**2021: PUCADYIL, Thomas** (b 1976), PhD, Sp: Biochemistry/Cell Biology; *Indian Institute of Science Education and Research (IISER), Dr. Homi Bhabha Road, Pashan, Pune 411008, Maharashtra*; A603, IISER Pune Housing Block, Dr. Homi Bhabha Road, Pashan, Pune 411008, Maharashtra [Tel (020) 25908204 (O), 78-756-24566 (M); Email pucadyil@iiserpune.ac.in]; **SC:** VII.



**2012: PURI, Sanjay** (b 1961), PhD, Sp: Physical Sciences; FASc, Professor, *School of Physical Sciences, Jawaharlal Nehru University, New Delhi 110067*; 66, Dakshinapuram, JNU, New Delhi 110067 [Tel (011) 2670-4634 (O), 98-185-52477 (M); Fax 2671-7537; Email puri@mail.jnu.ac.in, purijnu@gmail.com]; **Medal:** INSA Young Scientist (1993); Editor-in-Chief, *Proceedings of the Indian National Science Academy*; **SC:** II.



**1995: PUROHIT, Aditya Narain** (b 1940), PhD, Sp: Environmental Plant Physiology, Physiology and Biochemistry of Medicinal Plants; FNASc, FNAAS, formerly Director and VC, HAPPRC, HNB Garhwal University, Srinagar Garhwal 246174, Uttaranchal; *"Almi Anchal", 181/1, Dobhalwala, Dehradun 248001* [Tel 94-120-58572 (M); Email adityapurohit19@gmail.com]; **Council:** Mem 2000-02; **SC:** VII.

**2014: QADRI, Ayub** (b 1960), PhD, Sp: Immunology; Staff Scientist VII, *National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110067*; L-4, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110067 [Tel (011) 2670-3733 (O), 99-101-72191 (M); Fax 2674-2125; Email qadriayub@gmail.com]; **SC: IX.**



**2014: RADHAKRISHNAN, Jaikumar** (b 1964), PhD, Sp: Theoretical Computer Science, Complexity Theory, Discrete Mathematics; FASc, Senior Professor (I), *School of Technology and Computer Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400005*; 201 Meghnad, TIFR, Homi Bhabha Road, Mumbai 400005 [Tel (022) 2278-2311 (O), 2280-4647, 2278-3311 (R), 90-046-80293 (M); Fax 2280-4555; Email jaikumar@tifr.res.in; Web <http://www.tcs.tifr.res.in/~jaikumar/>]; **SC: I.**



**2010: RADHAKRISHNAN, Thavarool Puthiyedath** (b 1960), PhD, Sp: Materials Chemistry; FASc, FNASc, Professor, *School of Chemistry, University of Hyderabad, Hyderabad 500046*; A-308, Aparna Cyber Commune, Nallagandla, Hyderabad 500019 [Tel (040) 2313-4827 (O), Fax 2301-2460 (O); Email tpr@uohyd.ac.in]; **Medal:** INSA Young Scientist (1992); **SC: III.**



**2021: RAGHAVA, Gajendra Pal Singh** (b 1963), PhD, Sp: Bioinformatics; Professor, *Center for Computational Biology, Indraprastha Institute of Information Technology (IIIT), Okhla Phase III, New Delhi 110020*; 103 Faculty Residence, Indraprastha Institute of Information Technology (IIIT), Okhla Phase III, New Delhi 110020 [Tel (011) 26907444, 99-156-56900 (M); Fax 26907410; Email raghava@iiitd.ac.in]; **SC: VIII.**



**2002: RAGHAVENDRA, Agepati Srinivasa** (b 1950), PhD, Sp: Botany, Plant Biochemistry, Molecular Plant Physiology and Plant Metabolomics; FASc, FNASc, FNAAS, FTWAS, Professor, *School of Life Sciences, Department of Plant Sciences, University of Hyderabad, Hyderabad 500046*; Flat M-1701, Aparna Sarovar, Nallagandla, Gachibowli, Hyderabad 500046 [Tel (040) 2988-1003, 6679-4555 (O), 4851-4460 (R), 98-491-07190 (M); Fax 2301-0145; Email asrsl@uohyd.ernet.in, as\_raghavendra@yahoo.com]; **Medal:** INSA Young Scientist (1977); **Lecture:** Professor TS Sadasivan (2006); **Council:** Mem 2010-12; **SC: VII.**



**1975: RAGHUNATHAN, Madabusi Santanam** (b 1941), PhD, Sp: Lie Groups, Algebraic Groups, Discontinuous Groups; FASc, FNASc, FTWAS, FRS, Distinguished Professor, *Centre of Excellence in Basic Sciences, University of Mumbai, Vidyanagari Campus, Kalina, Santacruz East, Mumbai 400098*; 503, Atlantis, Raheja Acropolis-1, Deonar Pada Road, Chembur, Mumbai 400088 [Tel (022) 2652-4983 (O), 2550-4766 (R); Fax 2652-4982; Email madabusir@gmail.com]; **Professorship:** INSA-SN Bose Research Professor (1994-96); **Medal:** Srinivasa Ramanujan (1991); Aryabhata (2006); **Council:** Mem 1984-86; **SC: I.**



**2021: RAGHUNATHAN, Velayudhan Anandavally** (b 1960), PhD, Sp: Soft Condensed Matter Physics; FASc, INSA Senior Scientist, *Raman Research Institute, CV Raman Avenue, Sadashivanagar, Bengaluru 560080*; 42/2, 2nd Main Road, Jayanagar 8th Block, Bengaluru 560070 [Tel 94-808-36154 (O), 94-498-28940 (M); Fax (080) 2361-10492; Email varaghu@rri.res.in]; **SC: II.**





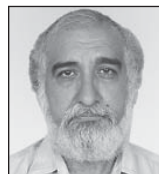
**2022: RAGHURAM, Anantharam** (*b* 1971), PhD, Sp: Number Theory, Representation Theory, Automorphic Forms, Special Values of L-functions, Cohomology of Arithmetic Groups; FASc, Professor, Fordham University, Lincoln Center, 113 W. 60<sup>th</sup> St., New York, NY 10023 USA; 22207 Osprey Way, Princeton Junction, NJ 08550, USA [Tel: +1 (212) 636-6333 (O), +1 (609) 937-3346 (R/M); Email [raghuram@iiserpune.ac.in](mailto:raghuram@iiserpune.ac.in), [raghuram.1@gmail.com](mailto:raghuram.1@gmail.com); Web <https://sites.google.com/site/math4raghuram/>]; **SC: I.**



**2010: RAI, Lal Chand** (*b* 1950), PhD, Sp: Algology, Environmental & Agricultural Microbiology, Molecular Biology; FNASc, FNAAS, Distinguished Professor (Lifelong) & NASI Senior Scientist, formerly JC Bose National Fellow, DAE Raja Ramanna Fellow, formerly Head & Coordinator, *Centre of Advanced Study in Botany, Institute of Science, Banaras Hindu University, Varanasi 221005*; B 30/40, 27-28, Orthocity, Madhav Market, Lanka, Varanasi 221005 [Tel (0542) 236-7520 (R), 94-152-25821, 75-700-00360 (M); Fax 236-8174; Email [lcrbhu15@gmail.com](mailto:lcrbhu15@gmail.com), [lcrai@bhu.ac.in](mailto:lcrai@bhu.ac.in)]; **Medal:** Professor SB Saksena Memorial (2011); **SC: VI.**



**2009: RAI, Shyam Sundar** (*b* 1954), PhD, Sp: Geophysical System Modelling, Seismology, Tectonophysics and Geophysical Exploration; FASc, FNASc, DAE-Raja Ramanna Fellow & Professor Emeritus, *Department of Earth and Climate Science, Indian Institute of Science Education & Research (IISER), Pune, Dr Homi Bhabha Road, Pune 411008*; Apt#301, F2, Success Tower, Panchavati, Homi Bhabha Road, Pashan, Pune 411008 [Tel (020) 2590-8255 (O), 98-903-22705 (M); Fax 2590-8186, 2586-5086; Email [shyamsrai@iiserpune.ac.in](mailto:shyamsrai@iiserpune.ac.in), [shyamsrai@gmail.com](mailto:shyamsrai@gmail.com)]; **Medal:** Professor K Naha Memorial (2019); **SC: IV.**



**2018: RAINA, Dhruv** (*b* 1958), PhD, Sp: History and Philosophy of Science; Professor, *Zakir Husain Centre for Educational Studies, School of Social Sciences, Jawaharlal Nehru University, New Delhi 110067*; 529 B, Paschimabad, Jawaharlal Nehru University, New Delhi 110067 [Tel (011) 2670-4417/4416 (O), 2674-2825 (R), 99-105-62068 (M); Fax 2670-4192, 2671-7580; Email [d\\_raina@yahoo.com](mailto:d_raina@yahoo.com), [dhruv@mail.jnu.ac.in](mailto:dhruv@mail.jnu.ac.in)]; **NC.**



**2005: RAINA, Satish Kumar** (*b* 1947), PhD, Sp: Agricultural Biotechnology; Chief Advisor, *Nath Biogene (India) Ltd., Nath House, Nath Road, PB No 318, Aurangabad 431005* [Tel (0240) 237-6314-17 (EPBX), 237-6586 (O), 235-6907 (R), 93-262-08377 (M); Fax 237-6188]; **SC: X.**



**2015: RAJAM, Manchikatla Venkat** (*b* 1955), PhD, Sp: Plant Biotechnology, Polyamine Physiology and RNA Interference; FNASc, FNAAS, Professor and UGC BSR Faculty Fellow, Department of Genetics, University of Delhi, South Campus, Benito Juarez Marg, New Delhi 110021; *Flat No. 2E, Shivalika Apartments, Sector 9, Plot No. 16, Dwarka, New Delhi 110077* [Tel (011) 2411-2503 (O), 2507-5497 (R), 98-181-08515 (M); Fax 2411-2761; Email [venkat.rajam@south.du.ac.in](mailto:venkat.rajam@south.du.ac.in), [rajam.mv@gmail.com](mailto:rajam.mv@gmail.com)]; **SC: X.**

**1999: RAJAMANI, Vedharaman** (*b* 1944), PhD, Sp: Geochemistry; FASc, Emeritus Professor, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi 110067; *H-430, Brigade Courtyard, HMT Factory Main Road, Jalahalli, Bengaluru 560013* [Tel 99-101-81299 (M); Email rajav1946@gmail.com]; **Council:** Mem 2012-14; **SC: IV.**



**2012: RAJAN, Balaji Sundar** (*b* 1958), PhD, Sp: Electrical Engineering (Communications); FNASc, FNAE, FIEEE, JC Bose National Fellow, formerly INAE Chair Professor, *Department of Electrical Communication Engineering, Indian Institute of Science, Bengaluru 560012*; E-19, New Housing Colony, IISc Campus, Bengaluru 560012 [Tel (080) 2293-2254 (O), 2360-2085 (R), 98-459-88753 (M); Fax 2360-0563; Email bsrajan@iisc.ac.in, bsrajanb@yahoo.com]; **SC: V.**



**2015: RAJAN, Conjeeveram Srirangachari** (*b* 1961), PhD, Sp: Arithmetic Geometry, Automorphic forms, Representation theory; FASc, Professor (H), *School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400005*; 901 Bhaskara, TIFR Colony, Homi Bhabha Road, Mumbai 400005 [Tel (022) 2278-2665 (O), 2280-4643 (R), 98-690-63353 (M); Fax 2280-4610; Email rajan@math.tifr.res.in]; **SC: I.**



**1985: RAJAPPA, Srinivasachari** (*b* 1934), PhD, Sp: Organic Chemistry; FASc, *B-1, Melody Apts, Plot No 12, ICS Colony, Pune 411007* [Tel (020) 2553-6395 (R); Email p\_rajappa@vsnl.com]; **SC: III.**



**1985: RAJARAMAN, Ramamurti** (*b* 1939), PhD, Sp: Theoretical Physics, Nuclear Policies; FASc, Emeritus Professor of Theoretical Physics, *School of Physical Sciences, Jawaharlal Nehru University, New Delhi 110067*; B-2395, Sector B, Pocket 2&3, Vasant Kunj, New Delhi 110070 [Tel (011) 2670-4785 (O), 2612-3485 (R), 98-181-60651 (M); Email doug0700@mail.jnu.ac.in, doug1968@hotmail.com]; **Medal:** SN Bose (1995); **Lecture:** Dr GP Chatterjee Memorial (1989); **Council:** Mem 2004-06, VP 2010-12; **SC: II.**



**1982: RAJARAMAN, Vaidyeswaran** (*b* 1933), PhD, DSc (*hc*), Sp: Computer Science; FASc, FNASc, FNAE, Honorary Professor, *Supercomputer Education and Research Centre, Indian Institute of Science, Bengaluru 560012*; 140, 6th Main, 6th Cross Road, JRD Tata Nagar, Near Kodigehalli, Bengaluru 560092 [Tel (080) 2360-0805, 2360-0811, 2293-2532 (O), 2341-9672 (R); Fax 2360-0805; Email rajaram@iisc.ac.in]; **Medal:** SH Zaheer (1998); **Council:** Mem 1986-88; **SC: V.**



**1986: RAJASEKARAN, Guruswamy** (*b* 1936), PhD, Sp: High Energy Physics & Quantum Field Theory; FASc, FNASc, *The Institute of Mathematical Sciences, CIT Campus, Chennai 600113*; *Chennai Mathematical Institute, Siruseri, Chennai 693103*; 20, XI Cross Street, Indira Nagar, Chennai 600020 [Tel (044) 2254-1856 (O), 2441-3395 (R); Fax 2254-1586; Email graj@imsc.res.in]; **Medal:** SN Bose (1998); **SC: II.**

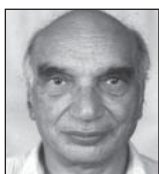




**2012: RAJASEKHARAN, Ram** (b 1960), PhD, Sp: Plant Lipid Metabolism; FASc, FNASc, FNAAS, Dean, School of Life Sciences, Central University of Tamil Nadu, Thiruvarur, Tamil Nadu 610005; #2/10 NMS Nagar, Chichiluppai (B.O.), Alathur Village, Oomachikulam, Madurai, Tamil Nadu 625014 [Tel 94-835-21260 (M); Email ram@cutn.ac.in]; **SC: VII.**



**2017: RAJEEVAN, Madhavan Nair** (b 1961), PhD, Sp: Atmospheric Science; FASc, FNASc, Former Secretary to the Government of India, Ministry of Earth Sciences; formerly Director, Indian Institute of Tropical Meteorology, Pune; 114, New Moti Bagh, New Delhi 110023 [Tel (011) 2410-0122 (R), 85-059-02700 (M); Email rajeevan61@yahoo.co.in, madhavanrajeevan@gmail.com]; **SC: IV.**



**1988: RAMA** (b 1929), PhD, Sp: Isotope Hydrology; FASc, FNAAS, formerly Professor, TIFR, Mumbai & Emeritus Scientist (CSIR), NGRI, Hyderabad; Y-4, Sec 9, CBD, New Mumbai 400614 [Tel (022) 2757-0081 (R); Email rama139@yahoo.co.in]; **SC: IV.**



**1986: RAMA RAO, Alla Venkata** (b 1935), PhD (Tech), DSc, Sp: Organic Chemistry, Medicinal Chemistry, Drug Technology, Chiral Synthesis & Technology and Natural Products; FASc, FTWAS, Director, A V Rama Rao Research Foundation, Chairman & Managing Director, Avra Laboratories Pvt. Ltd., Avra House, 7-102/54 Sai Enclave, Habsiguda, Hyderabad 500007; formerly Director, IICT, Hyderabad [Tel 98-481-35163 (M), 2717-3360 (R); Email ramarao@avralab.com; Web http://www.avramarao.com]; **Medal:** Vishwakarma (1991); **Council:** Mem 1995-97; **SC: III.**



**1989: RAMACHANDRAN, Balasubrahmanyam** (b 1932), PhD (USA), Sp: Analytical Probability Theory; formerly Professor, ISI, New Delhi; "Kaveri", No. 29, Fourth Cross Street, RK Nagar, Chennai 600028 [Tel (044) 2461-8280 (R); Email brama1933@yahoo.com]; INSA Senior Scientist (1993-97); **SC: I.**



**2016: RAMADAS, Trivandrum Ramakrishnan** (b 1955), PhD, Sp: Algebraic and Differential Geometry, Mathematical Physics; FASc, Professor Emeritus, Chennai Mathematical Institute, H1 SIPCOT IT Park, Siruseri, Kelambakkam 603103; 17F Jasper, Olympia Opaline, Navalur 600130 [Tel (044) 6748-0941 (O), 87-545-76434 (M); Email ramadas@cmi.ac.in]; **Council:** Mem 2021-; **SC: I.**



**1970: RAMAIAH, Nanduri Atchuta** (b 1923), PhD, Sp: Physical Chemistry & Sugar Chemistry; formerly Director, National Sugar Institute, Kanpur; 14 Ocean View Layout, Vishakhapatnam 530003 [Tel (0891) 561-225 (R)]; **SC: III.**

**2009: RAMAKRISHNA, Balakrishnan Siddartha** (*b* 1952), MD, DM (Gastro), PhD, Sp: Gastroenterology; FASc, FAMS, Senior Consultant and Director, *Institute of Gastroenterology, Hepatobiliary Science & Transplantation, SRM Institutes for Medical Science, 1 Jawaharlal Nehru Road, Vadapalani, Chennai 600026*; 202 Green Park, 32 Vaidyanatha Street, Nungambakkam, Chennai 600034 [Tel (044) 2362-6314 (O), 99-946-14890 (M); Email wurama@hotmail.com]; **SC: IX.**



**1992: RAMAKRISHNAN, Chandrasekharan** (*b* 1939), PhD, Sp: Molecular Biophysics; FASc, Professor (Retd), Molecular Biophysics Unit, IISc, Bengaluru 560012; *Kausthubam, 212, 7th Cross 6th Main, Tata Nagar, Bengaluru 560092* [Tel (080) 2293-3452 (O), 2351-7566 (R), 98-457-52493 (M); Email ramkisak@yahoo.co.in, ramkicyc@gmail.com]; **SC: VIII.**



**1980: RAMAKRISHNAN, Palayanoor Sivaswamy** (*b* 1936), PhD, Sp: Ecology & Sustainable Development; FASc, FNAsc, FNAAS, FTWAS, INSA Honorary Scientist, *School of Environmental Sciences, Jawaharlal Nehru University, New Delhi 110067*; I-21, South City Phase I, Gurugram 122001 [Tel (011) 2670-4326 (O), (0124) 408-5970 (R), 99-585-14140 (M); Fax 2674-1262; Email psr@mail.jnu.ac.in, krishnanpoornam@gmail.com]; **Lecture:** J.L. Nehru Birth Centenary (1994); **Council:** Mem 1992-93; **SC: VI.**



**1984: RAMAKRISHNAN, Tiruppattur Venkatachalamurti** (*b* 1941), PhD (Columbia), Sp: Theoretical Condensed Matter Physics and Statistical Mechanics; FASc, FTWAS, FRS, DAE Homi Bhabha Chair, *Department of Physics, Banaras Hindu University, Varanasi 221005*; DG/G-3, BHU Campus, Varanasi 221005 [Tel (0542) 2367-005 (O), 2367-008 (R); Email tvrama@bhu.ac.in]; **Professorship:** INSA-Srinivasa Ramanujan Research Professor (1997-2002); **Lecture:** KS Krishnan Memorial (1995); **Visiting Fellowship:** J.L. Nehru Birth Centenary (2006); **Council:** VP 2001-03; **SC: II.**



**2020: RAMAKRISHNAN, Uma** (*b* 1972), PhD, Sp: Molecular Ecology, Population Genetics, Conservation Biology; Associate Professor, *Ecology and Evolution, National Centre for Biological Sciences, Tata Institute of Fundamental Research, Bengaluru 560065*; 104 Mallige, National Centre for Biological Sciences, GKVK Campus, Bellary Road, Bengaluru 560065 [Tel (080) 2366-6030 (O), 98-454-36445 (M); Fax 2363-6662; Email uramakri@ncbs.res.in]; **SC: VI.**



**1988: RAMAMURTHI, Rallapalli** (*b* 1936), PhD, DSc, Sp: Animal Physiology, Biodiversity & Environmental Biology; FNAsc, FNAAS, Department of Fishery Science and formerly VC, S.V. University, Tirupati; Chairman, Regional Centre of Expertise at Tirupati on Education for Sustainable Development, U.N. University, Tokyo; Distinguished Scientist, Academy of Gandhian Studies; *A-9 Vaikuntapuram, MR Palli, Tirupati 517502* [Tel (0877) 224-1907 (O), 98-494-88390 (M); Fax 224-2079; Email rrallapallius@yahoo.com, gauthama.rallapalli@gmail.com]; INSA Honorary Scientist (2012-15); **Council:** Ad Mem 2008, 2012, 2017, 2019-22; **SC: VI.**



**2013: RAMAMURTHY, Thandavarayan** (*b* 1953), PhD, Sp: Microbiology and Molecular Microbiology; FNAsc, INSA Senior Scientist, *ICMR-National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme-XM, Beliaghata, Kolkata 700010*; A-13, Cluster IX, Purbhachal Housing Estate, Sector III, Salt Lake City, Kolkata 700097 [Tel 94-321-14945 (M); Email ramamurthy.t@icmr.gov.in, rama1murthy@yahoo.com]; **SC: VI.**





**1987: RAMAMURTHY, Valangiman Subramanian** (*b* 1942), PhD (Bombay), Sp: Nuclear Physics, Ion Beam Applications, Science & Technology Policy; FASc, FNASc, FNAE, FTWAS, Hon. FIETE, Emeritus Professor and formerly Director, *National Institute of Advanced Studies, IISc Campus, Bengaluru 560012*; formerly Secretary, DST, New Delhi [Tel 99-000-02178 (M); Email vsramamurthy@nic.in, vsramamurthy@nias.res.in, vsramamurthy@gmail.com]; **Medal:** Meghnad Saha (2009); **Council:** Ad Mem 1996-2006; **SC: II.**



**2012: RAMAMURTY, Upadrasta** (*b* 1967), PhD, Sp: Mechanical Behavior of Materials, Advanced Materials and Manufacturing; FASc, FNAE, FTWAS, Professor, *School of Mechanical and Aerospace Engineering, Nanyang Technological University, Singapore 639798*; # EV 201, Vigyanapura, New BEL Road, Sanjaynagar, Bengaluru 560094 [Tel (+65) 6790-4040 (O); Fax 6792-4062; Email satwiku@gmail.com]; **SC: V.**



**1998: RAMAN, Rajiva** (*b* 1948), PhD, Sp: Molecular Cytogenetics, Human Genetics; FASc, FNASc, Distinguished Professor, *Department of Zoology, Banaras Hindu University, Varanasi 221005*; 8, Mahamana Puri, PO BHU, Varanasi 221005 [Tel (0542) 257-0967 (R), 93-361-52694 (M); Email rajiva.raman@gmail.com, raman@bhu.ac.in]; **Medal:** SL Hora (2005); **Visiting Fellowship:** JL Nehru Birth Centenary (2016); **Council:** Mem 2007-09; **SC: IX.**



**1985: RAMANAMURTHY, Poolla Venkata** (*b* 1929), PhD, Sp: High Energy Astrophysics & Cosmic Rays; formerly Senior Professor, TIFR, Mumbai; *Flat 704, Vigyan, Plot 23, Sector 17, Vasbi, Navi Mumbai 400703* [Tel (022) 2789-9065 (R); Email pvrmurthy@yahoo.com]; **SC: II.**



**1977: RAMANAN, Sundararaman** (*b* 1937), PhD, Sp: Algebraic & Differential Geometry; FASc, FNA, Adjunct Professor, *Chennai Mathematical Institute*; formerly Distinguished Professor, TIFR, Mumbai [Tel (044) 2254-3376 (O), 2434-1169 (R), 94-445-49919 (M); Email sramanan@cmi.ac.in]; **Council:** Mem 1993-95; **SC: I.**



**2017: RAMARAJ, Ramasamy** (*b* 1956), PhD, DSc (Japan), DSc (Madurai), Sp: Inorganic and Physical Chemistry; FASc, FNASc, Professor of Eminence & DAE Raja Ramanna Fellow, (former Professor & Head, Department of Physical Chemistry), *School of Chemistry, Madurai Kamaraj University, Madurai 625021*; B4 Shanthi Sadhan, Melakkal Main Road, Kochadai, Madurai 625016 [Tel 89-039-71420 (M); Email ramaraj.ram@gmail.com, ramarajr@yahoo.com; Web www.mkuniversity.ac.in/new/school/sc/Ramaraj.php]; **SC: III.**



**2005: RAMASAMI, Thirumalachari** (*b* 1948), PhD, Sp: Inorganic and Leather Chemistry; FASc, FNASc, FNAE, FTWAS, formerly Secretary, Department of Science and Technology, Government of India; Distinguished Professor of Eminence, *Centre for Technology Development and Transfer, Anna University, Gundy 600025*; New No 21, Old No 38, Vth Cross Street, Rajalakshmi Nagar Extension, Velachery, Chennai 600042 [Tel 98-182-28329, 99-406-25329 (M); Email samisrisailam@gmail.com, dstsec@yahoo.co.in]; **Medal:** Meghnad Saha (2012); **Council:** Ad Mem 2007-10; **SC: III.**

**2005: RAMASESHA, Suryanarayana Sastry** (*b* 1950), PhD, Sp: Theoretical Chemistry; FASc, FTWAS, Emeritus Professor, *Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560012*; No. 151, 5th Cross Road, NGEF Layout, Sanjaynagar, Bengaluru 560094 [Tel (080) 2293-2925 (O), 98-452-12356 (M); Fax (080) 2360-1310; Email [ramasesh@iisc.ac.in](mailto:ramasesh@iisc.ac.in); Web <http://sscu.iisc.ac.in/faculty/prof-s-ramasesha/>]; **Medal:** INSA Young Scientist (1978); INSA Senior Scientist (2017-19); **SC: III.**



**2019: RAMASUBRAMANIAN, Krishnamurthi** (*b* 1969), PhD, Sp: Non-linear Dynamics and Chaos, Indian Astronomy and Mathematics, Advaita Vedanta; Institute Chair Professor, *Department of Humanities and Social Sciences, Indian Institute of Technology Bombay, Powai, Mumbai 400076*; Staff Hostel Annex, 21, IIT Bombay, Powai, Mumbai 400076 [Tel (022) 2576-7368 (O), 2576-8368 (R); Email [ram@hss.iitb.ac.in](mailto:ram@hss.iitb.ac.in)]; **NC.**



**2008: RAMASWAMY, Ramakrishna** (*b* 1953), PhD, Sp: Nonlinear Science, Computational Biology and Bioinformatics; FASc, FTWAS, Visiting Professor, *Department of Chemistry, Indian Institute of Technology Delhi, New Delhi 110016* [Tel (011) 2659-7969 (O), 78-930-93737 (M); Email [ramaswamy@iitd.ac.in](mailto:ramaswamy@iitd.ac.in), [r.ramaswamy@gmail.com](mailto:r.ramaswamy@gmail.com); Web <http://ramramaswamy.org/>]; **Council:** VP 2015; **SC: III.**



**2004: RAMASWAMY, Sriram Rajagopal** (*b* 1957), PhD, Sp: Condensed Matter, Statistical and Biological Physics; FRS, FASc, Professor, *Department of Physics, Indian Institute of Science, Bengaluru 560012*; Adjunct Professor, Tata Institute of Fundamental Research, Hyderabad [Tel (080) 2360-2698, 2293-3283 (O), 2308-9166 (R); Fax 2360-2602; Email [sriram@iisc.ac.in](mailto:sriram@iisc.ac.in); Web <http://www.physics.iisc.ac.in/~sriram/>]; **Lecture:** J.L. Nehru Birth Centenary (2020); **SC: II.**



**2010: RAMDORAI, Sujatha** (*b* 1962) PhD, Sp: Algebra, Geometry, Number Theory; FASc, FNASc, Professor, Mathematics Department, University of British Columbia, 1984, Mathematics Road, Vancouver, V6T1Z2; 550/12, *Dodsworth Enclave, Borewell Road, 5th Cross Whitefield, Bengaluru 560066* [Tel (080) 2845-0186 (R), 99-200-18274 (M); Email [sujatha@math.ubc.ca](mailto:sujatha@math.ubc.ca)]; **Medal:** INSA Young Scientist (1993); **SC: I.**



**2016: RANADE, Vivek Vinayak** (*b* 1963), PhD, Sp: Chemical Engineering, Multiphase Reactors, Process Intensification, CFD; FASc, FNAE, Bernal Professor of Process Engineering, *Bernal Institute, University of Limerick, Limerick, Ireland* and Professor Emeritus, *School of Chemistry and Chemical Engineering, Queen's University Belfast, Belfast BT9 5AG, Northern Ireland, UK*; 17 Wireless Colony, Aundh, Pune 411007 [Tel (+353) 6123-4778 (O); Email [Vivek.Ranade@ul.ie](mailto:Vivek.Ranade@ul.ie)]; **SC: V.**



**2006: RANGANATH, Hassan Annegowda** (*b* 1948), PhD, Sp: Zoology, Genetics and Evolution; FASc, FNASc, Visiting Professor, Centre for Human Genetics, Biotech Park, Electronic City Phase 1, Bengaluru 560100; Chairman, Board of Governors, IIT Kurnool; Distinguished Professor for Life, University of Mysore; formerly Director, National Assessment and Accreditation Council (NAAC); Vice Chancellor, Bangalore University; Residence: Site No. 33, Flat No. 101, Jayalakshmi Residency, 2nd Main, 2nd Cross, Income Tax Layout, Chandra Layout, Bangalore 560040 [Tel 99-023-00909 (M); Email [haranganath@gmail.com](mailto:haranganath@gmail.com)]; **Medal:** INSA Young Scientist (1978), Sunder Lal Hora (2020); **SC: VI.**





**1981: RANGANATHAN, Srinivasa** (b 1941), PhD (Cantab), Sp: Physical Metallurgy & Materials Science; FASc, FNASc, FNAE, FTWAS, RQ14 Distinguished Fellow, Honorary Professor, National Institute of Advanced Studies, Professor Emeritus, *Department of Materials Engineering, Indian Institute of Science, Bengaluru 560012* [Tel (080) 2360-1198 (O), 2351-8521 (R); Fax 2360-1198; Email [rangu@iisc.ac.in](mailto:rangu@iisc.ac.in); Web <http://materials.iisc.ac.in/faculty/s-ranganathan/>]; **Lecture:** INSA Prize for Materials Science (1991); **SC: V.**



**2017: RANGARAJAN, Pundi Narasimhan** (b 1963), PhD, Sp: Eukaryotic Gene Expression & Infectious Diseases; FNASc, FASc, FAMS, Professor and Chair, *Department of Biochemistry, Indian Institute of Science, Bengaluru 560012*; 1214-17/53, 4<sup>th</sup> Main, E Block, Rajajinagar 2nd Stage, Bengaluru 560010 [Tel (080) 2293-2540 (O), 98-863-03700 (M); Email [pnr@iisc.ac.in](mailto:pnr@iisc.ac.in)]; **Medal:** INSA Young Scientist (1994); **SC: VII.**



**1989: RANGASWAMY, Nanjangud Sreekantaiah** (b 1932), PhD, Sp: Experimental Embryology & Tissue Culture; FASc, FNASc, formerly Professor, Department of Botany, University of Delhi; *Apt 241, Block B-2, Kendriya Vihar, New Airport Road, Yelahanka, Bengaluru 560064* [Tel (080) 2979-1511 (R); Email [rlmc68@yahoo.co.in](mailto:rlmc68@yahoo.co.in)]; **SC: VI.**



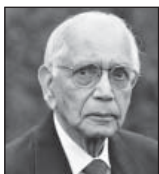
**2008: RANU, Brindaban Chandra** (b 1949), PhD, Sp: Organic Synthesis, Green Chemistry; FASc, INSA Honorary Scientist, *School of Chemical Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700032*; 5/2E, Srijan Sonargaon, 321 Sonarpur Station Road, Kolkata 700103 [Tel (033) 2473-4971 Ext 1404 (O), 94-330-53856 (M); Fax 2473-2805; Email [ocbcr@iacs.res.in](mailto:ocbcr@iacs.res.in), [bcranu@gmail.com](mailto:bcranu@gmail.com)]; INSA Senior Scientist (2017-19); **SC: III.**



**1999: RAO, Addicam Jagannadha** (b 1942), PhD, Sp: Reproductive Biology; FASc, FNASc, FAMS, INSA Honorary Scientist, *Department of Biochemistry, Indian Institute of Science, Bengaluru 560012*; 247, 1st Cross, 3rd Main, Hanumanthanagar, Bengaluru [Tel (080) 2293-2308 (O), 2650-7124 (R), 98-458-02391 (M); Email [ajrao@biochem.iisc.ernet.in](mailto:ajrao@biochem.iisc.ernet.in), [ajrao\\_2000@yahoo.com](mailto:ajrao_2000@yahoo.com), [ajrao2006@gmail.com](mailto:ajrao2006@gmail.com)]; **Lecture:** Professor MRN Prasad Memorial (2004); INSA Senior Scientist (2013-16, 2017-19), INSA Honorary Scientist (2016-17); **Council:** Mem 2015-17; **SC: VI.**



**2010: RAO, Basuthkar Jagadeeshwar** (b 1956), PhD, Sp: Molecular basis of Genome Dynamics Biophysics of Genome Repair Complexes; FASc, FNASc, JC Bose Fellow, Professor & Dean (Faculty), *Indian Institute of Science Education and Research (IISER) Tirupati, Transit Campus: Sree Rama Engineering College, Karkambadi Road, Mangalam, Tirupati 517507* [Tel (0877) 250-0401 (O), 90-045-88909 (M); Email [bjrao@iisertirupati.ac.in](mailto:bjrao@iisertirupati.ac.in), [bjrao@tifr.res.in](mailto:bjrao@tifr.res.in)]; **SC: VIII.**



**1954: RAO, Calympudi Radhakrishna** (b 1920), PhD, ScD, DSc (*hc*), D Litt (*hc*), Sp: Statistics & Matrix Algebra; FASc, FNASc, FTWAS, FRS, Fellow, NAS US, Lithuanian Acad. Sc, European Acad. of Sc, National Medal of Science Laureate, USA, formerly Director, ISI; Adjunct Professor, University of Pittsburgh; Eberly Emeritus Professor of Statistics, Penn. State Univ; Research Professor, *Univ at Buffalo, 29 Old Orchard Street, Williamsville, NY 14221, USA*; CRRRAO AIMSCS, University of Hyderabad Campus, Prof CR Rao Road, Hyderabad 500046; 10-2-289/78, Sanjeevani Shantinagar, Hyderabad 500028 [Telefax (040) 2301-3118, 6463-1799 (O), 93-978-06860 (M); Email [crrl@psu.edu](mailto:crrl@psu.edu)]; **Medal:** Meghnad Saha (1969); Srinivasa Ramanujan (2003); **Council:** Mem 1963-64, VP 1973-74; **SC: I.**

**2016: RAO, Chebrolu Pulla** (b 1954), PhD, Sp: Inorganic Chemistry; FNASc, FASc, JC Bose National Fellow, Professor, *Department of Chemistry, Indian Institute of Technology Tirupati, Tirupati-Renigunta Road, Settipalli Post, Tirupati 517506*; formerly Institute Chair Professor, IIT Bombay [Tel (0877) 250-3036 (O), 99-690-22554 (M); Fax 250-3004; Email [cp rao@iittp.ac.in](mailto:cp rao@iittp.ac.in), [cp rao@iitb.ac.in](mailto:cp rao@iitb.ac.in), [cp raoiitb@gmail.com](mailto:cp raoiitb@gmail.com)]; **SC: III.**



**1974: RAO, Chintamani Nagesa Ramachandra** (b 1934), PhD (Purdue), DSc (Mysore), DSc (*hc*), ScD (*hc*), LLD (*hc*), DLitt (*hc*), Dr. Engg. (*hc*), Sp: Solid State and Materials Chemistry; FRS, FRS(C), Foreign Assoc US NAS, Pontifical Acad Sci, French Academy, Japan, Spain, Polish, Brazil, Korean, Russian, Czechoslovakian, Bangladesh, Slovan & Serbian Academies, American Philosophical Soc, African Acad, Foreign Fellow of Academia Europea, Royal Soc of Canada, Chinese Academy of Sciences; Linus Pauling Research Professor and Honorary President, *Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur, Bengaluru 560064*; formerly Director, IISc, Bengaluru; JNC President's House, IISc Campus, Bengaluru 560012 [Tel (080) 2365-3075, 2208-2761 (O), 2360-1410 (R); Fax 2208-2760; Email [cnrrao@jncasr.ac.in](mailto:cnrrao@jncasr.ac.in); Web <http://www.jncasr.ac.in/cnrrao>]; **Professorship:** INSA-Albert Einstein Research Professor (1995-99); **Medal:** SN Bose (1980), Meghnad Saha (1990), INSA Medal for Promotion & Service to Science (2006); **Lecture:** Blackett Memorial (1990), DS Kothari Memorial (2002); **Council:** Mem 1976-78, VP 1983-84, Pres 1985-86, Ad Mem 1987-88; **SC: III.**



**2007: RAO, Desirazu Narasimha** (b 1954), PhD, Sp: Protein-DNA Interactions; FASc, FNASc, Professor, *Department of Biochemistry, Indian Institute of Science, Bengaluru 560012*; 35/2, Ist Floor, 4th Cross, RM V Extension, Bengaluru 560080 [Tel (080) 2293-2538 (O), 2361-1677 (R); Fax 2360-0683; Email [dnrao@iisc.ac.in](mailto:dnrao@iisc.ac.in)]; **Medal:** Professor GN Ramachandran 60th Birthday Commemoration (2018); **SC: VIII.**



**1986: RAO, Kalya Jagannatha** (b 1940), PhD, DSc, DSc (*hc* University Bordeaux), DLit (*hc*), Sp: Physical Chemistry; FASc, FNASc, Emeritus Professor, *Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560012*; 25, 'Srinidhi' NTI Layout, Nagasetthalli, Bengaluru 560094 [Tel (080) 2293-2583, 2360-2897 (O), 2341-1129 (R), 98-801-55726 (M); Fax 2360-1310; Email [kalyajrao@yahoo.co.in](mailto:kalyajrao@yahoo.co.in)]; **Lecture:** INSA Prize for Materials Science (1999); **SC: III.**



**2000: RAO, Kanury Venkata Subba** (b 1958), PhD, Sp: Immunology; FASc, FNASc, Head, *Immunology Group, International Center for Genetic Engineering & Biotechnology, Aruna Asaf Ali Marg, New Delhi 110067*; E-2226, Palam Vihar, Gurugram 122017 [Tel (011) 2617-6680 (O), (0124) 236-7332 (R); Fax 2671-5114; Email [kanury@icgeb.res.in](mailto:kanury@icgeb.res.in)]; **Lecture:** J.L. Nehru Birth Centenary (2007); **SC: IX.**



**2016: RAO, Khareedu Venkateswara** (b 1958), PhD, Sp: Plant Molecular Biology; FNASc, NASI-Senior Scientist, *Centre for Plant Molecular Biology, Osmania University, Hyderabad 500007*; Plot No. 19, H No. 8-3-315/25A, Maruthinagar, Yousufguda, Hyderabad 500045 [Tel (040) 2709-8087 (O), 2374-5253 (R), 93-913-20822 (M); Fax 2709-6170; Email [rao\\_kv1@rediffmail.com](mailto:rao_kv1@rediffmail.com)]; **SC: VII.**





**2017: RAO, Madan** (*b* 1960), PhD, Sp: Statistical Physics, Nonequilibrium Statistical Physics, Soft Matter, Biological Physics, Cell and Tissue Biophysics; FASc, Professor, *National Centre for Biological Sciences, Tata Institute of Fundamental Research, GKVK Campus, Bellary Road, Bengaluru 560065*; 101 Dennison Appts., 12 Hall Road, Richards Town, Bengaluru 560005 [Tel (080) 2366-6271 (O), 2580-5419 (R), 98-865-38926 (M); Fax 2363-6662; Email [madan@ncbs.res.in](mailto:madan@ncbs.res.in)]; **SC: II.**



**1992: RAO, Manchanahalli Rangaswamy Satyanarayana** (*b* 1948), PhD, Sp: Molecular & Cell Biology, Genomics and Human Molecular Genetics; FASc, FNASc, FAMS, FTWAS, Honorary Professor and SERB-Year of Science Chair Professor, *Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur PO, Bengaluru 560064*; No 527, 9th Cross, Tata Nagar, Kodigehalli, Bengaluru 560092 [Tel (080) 2208-2864, 2208-2754 (O), 2351-9131 (R); Fax 2208-2758, 2208-2766; Email [mrsrao@jncasr.ac.in](mailto:mrsrao@jncasr.ac.in)]; **Medal:** JC Bose (2001); **Lecture:** JL Nehru Birth Centenary (2000); **Council:** Mem 1999-01, Ad Mem 2011; **SC: VIII.**



**1984: RAO, Naropantul Appaji** (*b* 1934), PhD, Sp: Enzyme Regulation and Kinetics & Human Genetics; FASc, Member, Poland Acad of Arts & Sciences, *9, Sharada Colony, Basaveshwara Nagar, Bengaluru 560079* [Tel (080) 2348-6560 (R), 96-118-35935 (M); Email [bcnar@biochem.iisc.ernet.in](mailto:bcnar@biochem.iisc.ernet.in), [bcbnar@gmail.com](mailto:bcbnar@gmail.com)]; **Medal:** JC Bose (1989); **Lecture:** JL Nehru Birth Centenary (2001); **Council:** Sec 1996-98; **SC: VIII.**



**2019: RAO, Nittala Venkata Chalapathi** (*b* 1969), PhD, Sp: Mineralogy, Igneous Petrology, Geochemistry, Geodynamics and Mineral Resources; FASc, Professor, *Electron Probe Micro Analyzer (EPMA) & Scanning Electron Microscope (SEM) Laboratory, Centre of Advanced Study in Geology, Institute of Science, Banaras Hindu University, Varanasi 221005*; B-8, Heritage Housing Apartments, Ganga Pradushan Road, Bhagwanpur, Lanka, Varanasi 221005 [Tel 99-356-47365 (M); Email [nvcr100@gmail.com](mailto:nvcr100@gmail.com), [nvcrao@bhu.ac.in](mailto:nvcrao@bhu.ac.in)]; **SC: IV.**



**1980: RAO, Palle Rama** (*b* 1937), PhD, DSc (*hc*), Sp: Physical & Mechanical Metallurgy; FASc, FNASc, FNAE, FTWAS, Foreign Mem, Royal Acad Engg (UK), Ukrainian Acad Sc & US National Acad Engg, Chairman, Governing Council, *International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI), Balapur PO, RR Dist., Hyderabad 500005*; formerly VC, University of Hyderabad; Chairman, Atomic Energy Regulatory Board, Mumbai; Distinguished Scientist, DRDO, New Delhi & Secretary, DST; “Naimisam”, Flat No. 301, Plot No.22, 8-3-1022, Srinagar Colony, Hyderabad 500073 [Tel (040) 2444-3167 (O), 6661-4475 (R); Fax 2444-3168; Email [ramaraop37@gmail.com](mailto:ramaraop37@gmail.com)]; **Medal:** Meghnad Saha (2004); **Lecture:** INSA Prize for Materials Science (1989), SK Mitra Memorial (2001); **Council:** Mem 1985-87, Ad Mem 1989-95, 1997; **SC: V.**



**1983: RAO, Paranandi Venkata Suryanarayana** (*b* 1936), PhD, Sp: Computer Science, Artificial Intelligence, Speech & Script Recognition, Natural Language Processing; FASc, FNASc, FNAE, *601, Vigyan, Plot No. 23, Sector 17, Vashi, Navi Mumbai 400703* [Tel (022) 2789-0712 (R), 92-255-18888 (M); Email [dr.pvsrao@gmail.com](mailto:dr.pvsrao@gmail.com)]; **SC: V.**

**2015: RAO, Ravi Achutha** (*b* 1954), PhD, Sp: Classical K-theory; formerly Professor (H), School of Mathematics, TIFR, Mumbai; *A-8, Goodwill Assurance Building, Mammala Tank Road, Mahim, Mumbai 400016* [Tel (022) 2430-9827 (R), 98-333-63678 (M); Email ravi@math.tifr.res.in]; **SC: I.**



**2004: RAO, R Raghavendra** (*b* 1945), Sp: Plant Taxonomy, Biodiversity, Phytogeography, Conservation and Ethnobotany; FASc, FNASc, *Na. 328, B-4, Kendriya Vibar, Yelahanka, Bengaluru 560064* [Tel 91-132-15570, 94-488-52356 (M); Email raocimap@gmail.com]; INSA Honorary Scientist (2011-15); **SC: VI.**



**1983: RAO, Salem Ramachandrarao Venkatasubba** (*b* 1927), PhD, Sp: Cytogenetics; FNASc, formerly Professor & Head, Zoology Department, University of Delhi; *Room No 117, VLN Prabhudalaya, 748-A Nisarga Layout, Bannerghatta PO, Jigni Hobli, Bengaluru 560083* [Tel (080) 2782-4413, 2205-7452, 93-419-89403, 99-864-61227 (M); Email sharada\_papu@hotmail.com, sharadapapu@yahoo.co.in]; INSA Senior Scientist (1995-99); **SC: VI.**



**2022: RAO, Thota Narayana** (*b* 1969), PhD, Sp: Radar Meteorology; FASc, Scientist, *Sci/Eng-SG & Head (CCSG) National Atmospheric Research Laboratory, Gadanki, Andhra Pradesh 517 112* [Tel (0877) 250-0560 (O), 94-413-44578 (M); Email tnrao@narl.gov.in; drtnrao2001@gmail.com]; **SC: IV.**



**2015: RAO, Valipe Ramgopal** (*b* 1965), Dr Ing, Sp: Nanoelectronics; FASc, FNASc, FNAE, FIEEE, Director, *Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016*; Director's Lodge, IIT Campus, Hauz Khas, New Delhi 110016 [Tel (011) 2659-1701 (O), 2659-1801 (R); Email director@iitd.ac.in, rrao@iitd.ac.in, rrao@ee.iitb.ac.in; Web <http://www.ee.iitb.ac.in/~rrao/>]; **Council: Ad Mem 2019; SC: V.**



**2007: RAO, Venigalla Purnachandra** (*b* 1955), PhD, Sp: Marine Geology, Sedimentology; FASc, INSA Senior Scientist, *Department of Civil Engineering, Vignans University, Vadlamudi, Guntur 522213, AP*; formerly Chief Scientist, CSIR-NIO, Goa; Angalakuduru, Koppale Donka Road, Tenali, Guntur, AP [Tel (0863) 234-4761 (O), 94-224-16008 (M); Email vprao55@gmail.com]; **SC: IV.**



**1987: RATNASAMY, Paul** (*b* 1942), PhD, Sp: Catalysis; FASc, FNASc, FTWAS, *CSIR-National Chemical Laboratory, Pune 411008*; Flat No.4, Lalit Apartment, Gulmohar Park, ITI Road Anudh, Pune 411007 [Tel (020) 2588-6122 (O), 2589-8058 (R), 73-500-05192 (M); Fax 2588-6122, 2589-3355; Email paulratnasamy@gmail.com; Web <http://www.ncl-india.org/>]; **Professorship: INSA-Srinivasa Ramanujan Research Professor (2004-09); Medal: Vishwakarma (1994); SC: V.**





**2021: RAVIKANTH, Mangalampalli** (b 1966), PhD, Sp: Inorganic Chemistry; FASc, FNASc, Professor, *Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai 400076*; Nilgiri Building (B-271), Indian Institute of Technology Bombay, Powai, Mumbai 400076 [Tel (022) 2576-7176 (O), 2576-8176 (R), 98-190-84270 (M); Fax 578-3480; Email ravikanth@chem.iitb.ac.in]; **SC: III.**



**2008: RAVINDRA KUMAR, Gattamraju** (b 1961), PhD, Sp: Physics (Nonlinear optics, study of matter in intense laser fields); FASc, Senior Professor, *Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400005*; 207, Bhaskara, TIFR Colony, Homi Bhabha Road, Mumbai 400005 [Tel (022) 2278-2381 (O), 2280-4609, 2278-3381 (R); Email grk@tifr.res.in; Web <http://tifr.res.in/~uphill>]; **SC: II.**



**2019: RAVINDRAN, Vajravelu** (b 1965), PhD, Sp: High Energy Physics; FASc, Professor H, *The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600113*; A5, Swarnamukhi Apartment, III Main Road, Adyar, Gandhi Nagar, Chennai 600020 [Tel (044) 2254-3208 (O), 95-001-40279 (M); Fax 2254-1586; Email ravindra@imsc.res.in]; **SC: II.**



**2005: RAVINDRANATH, Vijayalakshmi** (b 1953), PhD, Sp: Neuroscience; FASc, FNASc, FTWAS, FAMS, FAAAS, Director, *Centre for Brain Research, Indian Institute of Science, Bengaluru 560012*; 301, Vaishnavi Springs, 49/5, Ranga Rao Road, Shankarapuram, Bengaluru 560004 [Tel (080) 2293-3640 (O), 90-088-85529 (M); Fax 2360-7766; Email viji@iisc.ac.in, viji.ravindranath@gmail.com; Web <https://www.cbr.iisc.ac.in/group/director/>]; **Medal:** Professor KP Bhargava Memorial (2000), SS Bhatnagar (2016); **Lecture:** JL Nehru Birth Centenary (2017); MGK Menon Memorial Award by NASI (2020) **Council:** Mem 2008-10; **SC: IX.**



**2014: RAY, Deb Shankar** (b 1954), PhD, Sp: Theoretical Chemistry; FASc, Senior Professor, *Department of Physical Chemistry, Indian Association for the Cultivation of Science, 2A & 2B, Raja SC Mullick Road, Jadavpur, Kolkata 700032*; P47 MeghnadAbasan, Kolkata 700101 [Tel (033) 247-3542 (O), 2571-2906 (R), 97-481-68172 (M); Fax 2473-2805; Email debshankar.iacs@gmail.com, pcdsr@iacs.res.in; Web <http://www.iacs.res.in/physchem/pcdsr/>]; **Medal:** INSA Young Scientist (1984); **SC: III.**



**2019: RAY, Krishanu** (b 1964), PhD, Sp: Molecular Cell Biology of Spermatogenesis and Intra-Cellular Transport in *Drosophila*; Professor, *Department of Biological Science, Tata Institute of Fundamental Research (TIFR), Homi Bhabha Road, Colaba, Mumbai 400005*; 703 Bhaskara, TIFR Housing Colony, Homi Bhabha Road, Colaba, Mumbai 400005 [Tel (022) 2278-2730 (O), 98-691-29589 (M); Fax 2280-4610/11; Email krishanu@tifr.res.in, krishanu64@gmail.com]; **SC: VII.**



**2002: RAYCHAUDHURI, Amitava** (b 1952), PhD, DSc (bc), Sp: Particle Physics including Astroparticle Physics; FASc, FNASc, Professor Emeritus, formerly Sir Tarak Nath Palit Professor of Physics, *University of Calcutta, 92 Acharya Prafulla Chandra Road, Kolkata 700009*; formerly Director, Harish-Chandra Research Institute, Allahabad; Flat No. 10/6, Block C, Green Tower, Golf Green, Kolkata 700095 [Tel (033) 2352-5631 (O), 2473-7519 (R), 98-312-43624 (M); Email amitavaraychaudhuri@yahoo.com]; **Medal:** INSA Young Scientist (1982); **SC: II.**

**2001: RAYCHAUDHURI, Arup Kumar** (b 1952), PhD, Sp: Physics, Low Temperature Physics, Physics of Nanomaterials, Scanning Probe Microscopy, Sensors, Translational Research; FASc, FNASc, SERB Distinguished Fellow, *CSIR-Central Glass and Ceramic Research Institute, 196, Raja S.C.Mullick Road, Kolkata 700032*; formerly Professor, IISc and Director, NPL, New Delhi, and Director, SN Bose National Centre for Basic Sciences; SV-1, P-347 Lake Town, Block A, Kolkata 700089 [Tel (033) 2322-3314 (O); Fax 2473-0957; Email arupraychaudhuri4217@gmail.com]; **Medal:** HJ Bhabha (2008); **Council:** Ad Mem 2014; **SC: II.**



**1992: REDDY, Borra Madhava** (b 1934), DSc, Sp: Atmospheric Sciences & Radio Communications; INSA Honorary Scientist, CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad 500007; formerly Chairman, URSI Committerer on Developing Countries; formerly Head, Radio Science Division, CSIR-NPL, New Delhi; *302-N Span Vamsy Home, 1-10-119/1 Mayuri Marg, Begumpet, Hyderabad 500016* [Tel (040) 2343-4652 (O), 2776-0542 (R); Fax 2343-4651; Email borramreddy@rediffmail.com]; **Medal:** KR Ramanathan (1999); **SC: IV.**



**1989: REDDY, Chillakuru Abhirama** (b 1931), DSc, Sp: Space Physics & Atmospheric Dynamics; formerly Director, Space Physics Lab, VSSC, Thiruvananthapuram; *Flat No. 91, Daisy Tower, L&T Serene Country, Gachibowli, Hyderabad 500032* [Tel (040) 2300-3455 (R); Email carreddy2@yahoo.com]; **SC: IV.**



**1984: REDDY, Gidnahalli Karagappa Narayana** (b 1928), PhD (Lond), Sp: Coordination Chemistry, Organometallics & Catalysis; FNASc, formerly Professor & Head, Department of Chemistry, Bangalore University & VC, Karnatak University, Dharwad; *622, Rajkumar Road, II Block, Rajaji Nagar, Bengaluru 560010* [Tel (080) 2332-4546 (R); Email gkn\_reddy@hotmail.com]; **SC: III.**



**2021: REDDY, Manjula Nallamala** (b 1965), PhD, Sp: Biological Sciences/ Microbial Biology; Scientist, *S-106, CSIR-CCMB, Habsiguda, Hyderabad 500007*; 1-2-99/E; St # 2, Habsiguda, Hyderabad 500007 [Tel (040) 27192514 (O), 98-667-06920 (M); Fax 27160310; Email manjula@ccmb.res.in, mreddy65@gmail.com]; **SC: VII.**



**1993: REDDY, Vellenki Umapathi** (b 1939), PhD, Sp: Signal Processing & Communications; FASc, FNAE, FIEEE, *37 Aparna Orchids, Near HITECH Ground, Izgat Nagar, Kondapur, Hyderabad 500084* [Tel (040) 2311-4725 (R), 98-481-35781 (M); Email vur10839@gmail.com]; **SC: V.**



**1994: REDDY, Vinodini** (b 1934), MD, DCH, Sp: Nutrition; FAMS, FIAP, FIUNS, Former Director, NIN, Hyderabad; *503 Mount Meru Apts, Banjara Hills, Road No.5, Hyderabad 500034* [Tel 98-665-90722 (M); Email vinodinireddy@hotmail.com]; **SC: IX.**





**2008: RINDANI, Saurabh Dilsukhray** (b 1952), PhD, Sp: Particle Physics; FASc, FNASc, INSA Senior Scientist, *Theoretical Physics Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380009*; M 404, Garden Residency 3, South Bopal Road, Bopal, Ahmedabad 380058 [Tel 94-270-18152 (M); Email saurabh@prl.res.in, sdrindani@gmail.com]; **SC: II.**



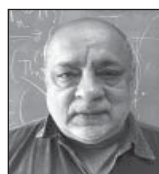
**1997: ROUT, Damodar** (b 1944), MS, MCh, Sp: Neurosurgery, Micro-neurosurgery, Microvascular Surgery & Neurosciences; FAMS, Chairman & Director, *Department of Neurosurgery, Sri Ramachandra University, Porur, Chennai 600116*; Plot No. 1264, Jayalakshmi Nagar, IV Street, Kattupakkam, Chennai 600056 [Tel (044) 4592-8579, 2476-8403 (O), 4380-1109 (R); Fax 2476-7008; Email dr.d.rout@gmail.com]; **SC: IX.**



**1990: ROY, Ashit Baran** (b 1938), PhD, Sp: Precambrian Geology, Tectonics; FASc, FFAST, formerly Professor, Department of Geology, Mohanlal Sukhadia University, Udaipur; *Niloy Apartment, Flat 3/2G, 46A, R.N. Das Road, Kolkata 700031* [Tel (033) 2405-3671 (O), 94-330-87685 (M); Email ashitbaranroy@gmail.com]; INSA Honorary Scientist (2012-15); **SC: IV.**



**1992: ROY, Probir** (b 1942), MA (Cantab), PhD (Stanford), Sp: Astroparticle Physics & Particle Physics: Field Theory & Phenomenology; FASc, FNASc, *Centre for Astroparticle Physics & Space Science, Bose Institute, Sector 5, Bidhannagar, Kolkata 700091*; formerly Senior Professor & Chair, Department of Theoretical Physics, TIFR, Mumbai; CK 147, Sector 2, Bidhannagar, Kolkata 700091 [Tel (033) 4604-6628 (R), 94-325-97896 (M); Email probirrana@gmail.com; Web <http://www.theory.tifr.res.in/~probir>]; INSA Senior Scientist (2017-19); **SC: II.**



**2021: ROY, Rahul** (b 1959), PhD, Sp: Mathematics; FASc, FNASc, Professor, *Indian Statistical Institute, 7 SJS Sansanwal Marg, New Delhi 110016*; Apartment A7, Indian Statistical Institute, 7 SJS Sansanwal Marg, New Delhi 110016 [Tel (011) 4149-3905 (O), 98-689-29236 (M); Fax 4149-3981; Email rahul@isid.ac.in]; **SC: I.**



**2016: ROY, Rajendra Prasad** (b 1962), PhD, Sp: Biochemistry, Chemical Biology, Synthetic Protein Chemistry; FNASc, FASc, Dean, *Regional Centre for Biotechnology, NCR Biotech Science Cluster, Faridabad-Gurugram Expressway, Faridabad 121001, India*; 603 RCB Faculty Housing, Biotech Science Cluster, Faridabad - 121001, Haryana [Tel (0129) 284-8903 (O), 98-105-77789 (M); Email rproy@rcb.res.in]; **SC: VIII.**



**1989: ROY, Shasanka Mohan** (b 1941), PhD, Sp: Foundations of Quantum Theory & Particle Physics; FASc, FNASc, FTWAS, INSA Honorary Scientist, Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research, VN Purav Marg, Mankhurd, Mumbai 400088; *501 Vigyan, Plot 23, Sector 17, Vasbi, Navi Mumbai 400703* [Tel (022) 2788-8961 (R); Email shasanka1@yahoo.co.in; Web <http://www.theory.theory.tifr.res.in/~shasanka>]; **Medal:** SN Bose (2012); INSA Senior Scientist (2011-16); **SC: II.**

**2005: ROY, Siddhartha** (*b* 1954) PhD, Sp: Biophysics, Biochemistry, Structural Biology, Chemical Biology; FASc, FRSC, FTWAS, JC Bose National Fellow, *Bose Institute, P-1/12, C.I.T. Scheme VII M, Kolkata 700054*; Flat No. A-32, 49/49, Prince Ghulam Mohammed Shah Road, Kolkata 700033 [Tel (033) 2569-3330 (O); Email [sidroy@jcbose.ac.in](mailto:sidroy@jcbose.ac.in), [sidroykolkata@gmail.com](mailto:sidroykolkata@gmail.com)]; **Lecture:** Professor Vishwa Nath Memorial (2009); **SC: VIII.**



**2014: ROY, Syamal** (*b* 1954), PhD, Sp: Parasitology, Immunology; FASc, FNASc, JC Bose National Fellow, Emeritus Scientist, CSIR – Indian Institute of Chemical Biology, Jadavpur, Kolkata 700032; Res: 199 Jodhpur Park, Kolkata 700068 [Tel (033) 2499-5731 (Lab), 98-745-32967 (M); Email [drsyamalroy@yahoo.com](mailto:drsyamalroy@yahoo.com)]; **SC: IX.**



**2017: ROYCHOUDHURY, Susanta** (*b* 1955), PhD, Sp: Cancer Biology; FNASc, FASc, ICMR Emeritus Scientist, CSIR-IICB, Formerly Chief, Basic Research, *Saroj Gupta Cancer Centre and Research Institute, Mahatma Gandhi Road, Thakurpukur, Kolkata 700063*; formerly Chief Scientist, CSIR-IICB; former Professor, Academy of Scientific and Innovative Research (AcSIR); HB-47, Sector-III, Salt Lake, Kolkata 700106 [Tel (033) 2358-1528 (R), 94-331-02986 (M); Email [susantarc@gmail.com](mailto:susantarc@gmail.com)]; **SC: IX.**



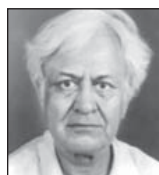
**1982: RUDRAIAH, Nanjundappa** (*b* 1932), MA (UOT, Canada), PhD (UWO, Canada) DSc (*bc*), Sp: Applied Mathematics, Fluid Mechanics; FASc, FNASc, FIAM (UK), FUWA (India), FIAPS, Honorary Professor, UGC-Centre for Fluid Mechanics, Department of Mathematics, Bangalore University & Hon Director, *National Research Institute for Applied Mathematics, Bengaluru*; formerly VC, Gulbarga University, Gulbarga; formerly Professor and Head, Principal, Central College, Bangalore University; *492/G, 7th Cross, 7th Block (West), Jayanagar, Bengaluru 560070* [Tel (080) 2221-9714, 2296-1421 (O), 2676-4356 (R), 94-483-89763 (M); Fax 2676-4356, 2221-9714; Email [rudraiahn@hotmail.com](mailto:rudraiahn@hotmail.com)]; **Lecture:** Professor VV Narlikar Memorial (2000); INSA Senior Scientist (1996-2001); **SC: I.**



**2019: SABU, Mamiyil** (*b* 1959), PhD, Sp: Angiosperm Taxonomy, Reproductive Biology, Floristics; FASc, CSIR-Emeritus Scientist, Malabar Botanical Garden and Institute for Plant Sciences, Calicut 673014, Kerala; Former Professor and Head, Department of Botany, University of Calicut, Kerala; *'Mamiyil', Nagathumpadam, Olavanna P.O., Calicut, 673019, Kerala* [Tel (0495) 243-1545 (R), 94-476-36333 (M); Email [msabu9@gmail.com](mailto:msabu9@gmail.com)]; **SC: VI.**

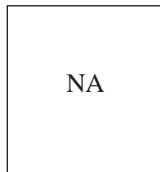


**1989: SACHAR, Ramesh Chandra** (*b* 1929), PhD, Sp: Biochemistry & Molecular Biology; FNAAS, formerly Professor, Department of Botany, University of Delhi, Delhi; *E-14/4 Vasant Vihar, New Delhi 110057* [Tel (011) 2614-8837 (R), 98-735-52769 (M)]; **SC: VII.**



**2004: SADASHIVA, Bookinkere Kapanipathaiya** (*b* 1946), PhD, Sp: Synthesis and Characterization of Liquid Crystalline Materials; *303, 1B cross, 2nd Phase, 6th Block, BSK 3rd Stage, Bengaluru 560085* [Tel (080) 2672-0507 (R), 99-005-79995 (M); Email [sadashivbk@yahoo.co.in](mailto:sadashivbk@yahoo.co.in)]; **SC: III.**





**2020: SAHA, Bhaskar** (b 1964), PhD, Sp: Immunology; FASc, FNASc, Scientist-G, *National Centre for Cell Science, Ganeshkhind, Pune 411007* [Tel (020) 2570-8139 (O); Fax 2569-2259; Email sahib@nccs.res.in, bhaskar211964@yahoo.com]; **SC: IX.**



**2022: SAHA-DASGUPTA, Tanusri** (b 1966), PhD, Sp: Computational Materials Physics, Electronic Structure; FASc, FNASc, FTWAS, Senior Professor and Director, *Department of Condensed Matter Physics and Materials Science, SN Bose National Centre for Basic Sciences, Sector III, Salt Lake, Kolkata 700106*; Flat No: LX20504, Utsa Condoville, Rajarhat, New Town, Kolkata 700156 [Tel (033) 2335-5707 (O), 2473-4971 (R) 98-312-09592 (M); Fax 2335-3477; Email t.sahadasgupta@gmail.com]; **SC: II.**



**1992: SAHNI, Ashok** (b 1941), PhD (Minnesota), Sp: Geology, Vertebrate Palaeontology & Biostratigraphy; FTWAS, FASc, FNASc, Professor Emeritus, Panjab University, Chandigarh; 98, *Mahatma Gandhi Marg, Lucknow 226001* [Tel (0522) 223-5385 (R), 99-560-29934 (M); Email ashok.sahnii@gmail.com]; **Medal:** DN Wadia (2009); **Council:** Mem 1998-2000; **SC: IV.**



**2015: SAHNI, Girish** (b 1956), PhD, Sp: Enzymology, Protein Engineering; FASc, FNASc, former Director General, *CSIR* and Secretary, *DSIR*; *Present address: CSIR Bhatnagar Fellow, Institute Of Microbial Technology, Sector 39A, Chandigarh 160036* [Tel 98-883-71548 (M); Email girishsahnii@gmail.com]; **SC: VIII.**



**2011: SAHNI, Varun** (b 1956), PhD, Sp: Theoretical Physics; FASc, FNASc, FTWAS, Distinguished Professor, *Inter-University Centre for Astronomy and Astrophysics (IUCAA) Ganeshkhind, Pune 411007*; 6 Akashganga, IUCAA Housing Colony, Pune University Campus, Pune 411007 [Tel (020) 2560-4112 (O), 2560-4406 (R); Email varun@iucaa.in]; **Medal:** HJ Bhabha (2014); **SC: II.**



**2016: SAHU, Arvind Kesarilalji** (b 1963), PhD, Sp: Complement Biology, Molecular Virology; FNASc, FASc, Scientist G, JC Bose National Fellow, *National Centre for Cell Science, S.P. Pune University Campus, NCCS Complex, Ganeshkhind, Pune 411007*; 'Jyotirmay', 36 Freedom Park, Vishal Nagar, Pimple Nilakh, Pune 411027 [Tel (020) 2570-8083 (O), 94-223-20062 (M); Fax (020) 2569-2259; Email arvindsahu@nccs.res.in; Web <http://www.nccs.res.in/index.php/TeamMembersC/asahu/>]; **SC: VIII.**



**1994: SAIDAPUR, Srinivas Kishanrao** (b 1947), PhD, Sp: Biology of Reproduction, Comparative Endocrinology & Animal Behaviour; FASc, FNASc, FTWAS, formerly Vice-Chancellor, Karnatak University and Founder Director, Higher Education Academy (Government of Karnataka), Dharwad; *TF-1, Trigunatmika Apartments, Bharati Nagar, Haliyal Road (Near Dasankoppa Circle), Saptapur, Dharwad 580001* [Tel 96-633-78259 (M); Email saidapur@gmail.com]; **Lecture:** Professor MRN Prasad Memorial (2007), Professor Har Swarup Memorial (2011); **Council:** Mem 2006-08, VP 2012-14; **SC: VI.**

**2021: SAIN, Kalachand** (*b* 1964), PhD, Sp: Inversion, Modeling, Advanced Processing & Interpretation of Seismic Data, Machine Learning for Gas-hydrates, Basin Evolution, Geo-tectonics and Earthquake Processes; FNASc, Director, *Wadia Institute of Himalayan Geology, 33, General Mahadeo Singh Road, Dehradun 248001*; Chief Scientist (on Lien) at CSIR-NGRI, Uppal Road, Hyderabad 500007; Distinguished Professor of AcSIR at WIHG-DST; Flat No. 501, Nagarika Apartment, Kakateeya Nagar, Street No. 2, Habsiguda, Uppal Road, Hyderabad 500007 [Tel (0135) 252-5101 (O), 94-409-64038 (M); Fax 262-5212; Email director@wihg.res.in, kalachandsain7@gmail.com]; **SC: IV**.



**2012: SALOTRA, Poonam** (*b* 1955), PhD, Sp: Molecular Parasitology and Immunology; FNASc, FTWAS, FAMS, ICMR Emeritus Scientist, Ex-Director In-charge, *ICMR-National Institute of Pathology, Safdarjung Hospital Campus, Post Box No 4909, New Delhi 110029*; C145, Sarvodaya Enclave, New Delhi 110017 [Tel 98-106-75005 (M); Email poonamsalotra@hotmail.com]; **SC: IX**.



**2004: SALUNKE, Dinakar Mashnu** (*b* 1955), PhD, Sp: Structural Biology, Macromolecular Crystallography, Molecular Biophysics; FASc, FNASc, FTWAS, Director, *International Center for Genetic Engineering and Biotechnology, ICGEB Campus, P.O. Box 10504, Aruna Asaf Ali Marg, New Delhi 110067*; #2379, B-2, Vasant Kunj, New Delhi 110070 [Tel (011) 2674-2317 (O), 96-507-82444 (M); Fax 2674-2316; Email icgeb.director@gmail.com]; **Medal:** Professor GN Ramachandran 60th Birthday Commemoration (2009); **Council:** VP 2013-15; **SC: VIII**.



**2009: SAMANTA, Anunay** (*b* 1956), PhD, Sp: Physical Chemistry (Photochemistry, Time-resolved Spectroscopy); FASc, FNASc, Professor, *School of Chemistry, University of Hyderabad, Hyderabad 500046*; A-2 Faculty Quarters, University of Hyderabad, Hyderabad 500046 [Tel (040) 2313-4813, 2301-1594 (O), 2301-0715 (R), 94-404-99681 (M); Fax 2301-1594; Email anunay@uohyd.ac.in, anunay.samanta@gmail.com]; **Lecture:** Professor Sadhan Basu Memorial (2017); **SC: III**.



**2015: SAMPATH, Srinivasan** (*b* 1961), PhD, Sp: Materials Electrochemistry (Interfacial Chemistry); FASc, FNAE, FTWAS, Professor, *Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bengaluru 560012*; 3124, Prestige Kensington Gardens, HMT Main Road, Jalahalli, Bengaluru 560013 [Tel (080) 2293-3315 (O), 2308-9516 (R), 94-837-42993 (M); Fax 2360-6867; Email sampath@iisc.ac.in]; **SC: III**.



**2002: SAMPATHKUMARAN, Echur Varadadesikan** (*b* 1954), PhD, Sp: Magnetism & Superconductivity; FASc, FNASc, FTWAS, DAE Raja Ramanna Fellow, *HBCSE (TIFR), VN Purav Marg, Mankhurd, Mumbai 400088* and Honorary Emeritus Professor, *UGC-DAE-CSR, Mumbai Centre, BARC Campus, Trombay, Mumbai 400085*; Former Distinguished Professor, Tata Institute of Fundamental Research, Mumbai; 202, Vaigyanik CHS, Plot 58-59, Sector 14, Vashi, Mumbai 400703 [Tel 98-921-00402 (M); Email sampathev@gmail.com]; **Medal:** INSA Young Scientist (1986); **Council:** Mem 2020-; **SC: II**.





**1997: SANDHU, Jagir Singh** (b 1942), PhD, Sp: Organic Chemistry, Bio Organic Chemistry; FNASc, Department of Chemistry, Punjabi University, Patiala 147002; formerly Director, RRL, Jorhat, Assam; *Lalheri Road, Hardev Nagar, Khanna 141401* [Tel (0175) 304-6409- 10 (O), (01628) 237-017 (R); Email j\_sandhu2002@yahoo.com]; INSA Honorary Scientist (2012-15); **SC: III.**



**1991: SANE, Prafullachandra Vishnu** (b 1937), PhD (Alberta), Sp: Photosynthesis, Plant Physiology, Biochemistry & Molecular Biology; FASc, FNASc, FNAAS, formerly Director, NBRI, Rana Pratap Marg, Lucknow 226001; *C-739/B, Sector C, Mahanagar Extension, Lucknow 226006* [Tel (0522) 359-7186 (R); Email rajsane@hotmail.com]; **Council:** Mem 1996-98; **SC: VII.**



**2017: SANGWAN, Neelam S** (b 1966), PhD, Sp: Plant Sciences; FNASc, FNAAS, Dean Research, Dean, School of Interdisciplinary and Applied Sciences, Professor and Head, *Department of Biochemistry, Central University of Haryana, Jant-Pali, Mahendergarh 123031*; formerly Chief Scientist, Metabolic and Structural Biology, CSIR-CIMAP, Lucknow; Flat No. 501, Type 4, Residential complex of Central University of Haryana, Mahendergarh 123031 [Tel 94-157-66696 (M); Email sangwan.neelam@gmail.com, nsangwan@cuh.ac.in]; **Medal:** INSA Young Scientist (1994), NAAS Young Scientist Medal (2000); **SC: VI.**



**2018: SANGWAN, Rajender Singh** (b 1958), PhD, Sp: Secondary Metabolism and Secondary Agriculture Bioprocessing for Resource Recovery & Value Added Products; FNAAS, FNASc, Director, *Academy of Scientific and Innovative Research (AcSIR), AcSIR Campus at CSIR-HRDC, Sector-19, Kamla Nebru Nagar, Ghaziabad 201002*; House E-1, CIMAP Colony (Sugandh Vihar), Vikas Nagar, Sector-7, Lucknow 226022 [Tel 99-150-35566 (O), 94-157-66696 (R), 99-150-35566, 94-512-46764 (M); Email dr.sangwan@gmail.com, sangwan@acsir.res.in, director@acsir.res.in]; **SC: X.**



**2014: SANJAPPA, Munivenkatappa** (b 1951), PhD, Sp: Plant Taxonomy & Conservation; FASc, FNASc, INSA Senior Scientist, *Mahatma Gandhi Botanical Garden, University of Agricultural Sciences, GKVK, Bengaluru 560065*; 504, C-7, Kendriya Vihar, Yelahanka, Bengaluru 560064 [Tel (080) 2333-0153 Ext 302 (O), 99-720-35160 (M); Email sanjappam@ymail.com]; **SC: VI.**



**2021: SANKARAN, Mahesh** (b 1967), PhD, Sp: Ecology; Professor, *National Centre for Biological Sciences, Tata Institute of Fundamental Research, Bengaluru 560065*; C-204 Samvridhdi Gardenia Apartments, 88/3 Byatarayanapura, Bengaluru 560092 [Tel (080) 2366-6221 (O), 96-633-18733 (M), Email mahesh@ncbs.res.in]; **SC: VI.**



**2019: SANKARAN, Parameswaran** (b 1959), PhD, Sp: Topology, Representation Theory; FASc, FNASc, Professor, *Chennai Mathematical Institute, SIPCOT IT Park, Siruseri, Kelambakkam 603103*; 24 Second Cross Street, Shastri Nagar, Adyar, Chennai 600020 [Tel (044) 7196-1022 (O), 4266-2275 (R), 99-401-39682 (M); Fax 2747-0225; Email sankaran@cmi.ac.in]; **SC: I.**

**2013: SANKARANARAYANAN, Rajan** (b 1968), PhD, Sp: Structural Biology, FASc, FNASc, Outstanding Scientist, *Structural Biology Laboratory, CSIR-Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500007*; 1-2-99/D, Street No. 2, Kakatheya Nagar, Habsiguda, Hyderabad 500007 [Tel (040) 2719-2832 (O), 98-664-97744 (M); Fax 2716-0591; Email [sankar@ccmb.res.in](mailto:sankar@ccmb.res.in)]; **Lecture:** Dr MR Das Memorial (2017); **SC: VIII.**



**2020: SANKARARAMAN, Sethuraman** (b 1957), PhD, Sp: Organic Chemistry, Synthetic & Mechanistic Organic Chemistry; FASc, Professor, *Department of Chemistry, Indian Institute of Technology Madras, Chennai 600036*; B10/3, First Link Road, IIT Campus, Chennai 600036 [Tel (044) 2257-4210 (O), 2257-6210 (R), 94-443-85211 (M); Fax 2257-4202; Email [sanka@iitm.ac.in](mailto:sanka@iitm.ac.in)]; **SC: III.**



**2018: SANYAL, Kaustuv** (b 1969), PhD, Sp: Genetics and Genomics of Human Fungal Pathogens, Eukaryotic Chromosome Segregation; FASc, FNASc, Fellow, American Academy of Microbiology, Professor, *Molecular Mycology Laboratory, Molecular Biology & Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur, Bengaluru 560064*; C 412, M.V, Royal Homes, Srirampura, Jakkur, Bengaluru 560064 [Tel (080) 2208-2878 (O), 94-498-10323 (M); Fax 2208-2766; Email [sanyal@jncasr.ac.in](mailto:sanyal@jncasr.ac.in), [wwwsanyal@gmail.com](mailto:wwwsanyal@gmail.com); Web <http://www.jncasr.ac.in/faculty/sanyal/>]; **SC: IX.**



**2001: SANYAL, Milan Kumar** (b 1954), PhD, Sp: Condensed Matter Physics, Surface Physics & Synchrotron X-ray Scattering; FASc, FNASc, FTWAS, INSA Senior Scientist, Emeritus Professor and former Director, *Saha Institute of Nuclear Physics, 1/AF, Bidhannagar, Kolkata 700064*; Adjunct Professor, International Centre for Materials Science, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur P.O., Bengaluru 560064; AE 473, Bidhannagar, Kolkata 700064 [Tel (033) 2321-4763 (O), 4603-5577 (R); Fax 2337-4637; Email [milank.sanyal@saha.ac.in](mailto:milank.sanyal@saha.ac.in), [milank.sanyal@gmail.com](mailto:milank.sanyal@gmail.com); Web <http://www.saha.ac.in/web/scientific/personal-page?mid=milank.sanyal&tab=tab1>, **Council:** Mem 2010-12; **SC: II.**



**1995: SARAN, Anil** (b 1940), DPhil (Sc), Sp: Molecular Biophysics & Biomolecular NMR; FNASc, formerly Professor H, TIFR, Mumbai 400005; *41, New Cosmos Co-operative Housing Society, Juhu-Versova Link Road, Andheri (West), Mumbai 400053* [Tel (022) 2628-8483 (R), 98-191-11024 (M); Email [anilsaran@gmail.com](mailto:anilsaran@gmail.com)]; INSA Honorary Scientist (2010-15); **SC: VIII.**



**2008: SARIN, Manmohan** (b 1951), PhD, Sp: Chemical Oceanography, Atmospheric and Aerosol Chemistry; FASc, FNASc, SERB Distinguished Fellow, *Geosciences Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380009*; No A-301, Shashwat Apartments, Nr. Bodakdev Municipal office, Bodakdev, Ahmedabad 380054 [Tel (079) 2631-4939 (O), 2685-8711 (R), 94-267-27301 (M); Fax 2631-4900; Email [sarin@prl.res.in](mailto:sarin@prl.res.in), [manmohan\\_sarin@yahoo.com](mailto:manmohan_sarin@yahoo.com)]; INSA Senior Scientist (2015-18); **SC: IV.**





**2004: SARIN, Shiv Kumar** (*b* 1952), MD, DM, Sp: Hepatology and Gastroenterology; Senior Professor, Department of Hepatology & Vice Chancellor, *Institute of Liver and Biliary Sciences, D-1, Vasant Kunj, New Delhi 110070*; 63, New Moti Bagh, New Delhi 110023 [Tel (011) 4630-0000 (O), 2687-3563 (R); Email shivsarin@gmail.com]; **Medal:** Professor KP Bhargava Memorial (2017); **Lecture:** Dr Y SubbaRow Memorial (2005); **SC: IX.**



**2012: SARKAR, Anindya** (*b* 1959), PhD, Sp: Stable Isotope Geochemistry, Palaeoclimatology, Geochronology and Sedimentology; Professor, *Department of Geology & Geophysics, Indian Institute of Technology, Kharagpur 721302*; A-21, IIT, Kharagpur 721302 [Tel (03222) 283-392 (O) 283-393 (R), 94-340-43377 (M); Fax 282-268; Email anindya@gg.iitkgp.ernet.in, sarkaranindya@hotmail.com]; **Medal:** INSA Young Scientist (1990); **SC: IV.**



**2016: SARKAR, Chitra** (*b* 1955), MBBS, MD, FRCPath, Sp: Neuropathology and Neuro-oncology; FASc, FNASc, FAMS, JC Bose National Fellow, Professor, *Room No. 1083/1083A, 1st Floor, Teaching Block, Department of Pathology, All India Institute of Medical Sciences, New Delhi 110029*; C-II/9, Ansari Nagar (East), AIIMS Campus, New Delhi 110029 [Tel (011) 2659-3371 (O), 2658-8390 (R), 98-101-81945, 99-688-56940 (M); Fax 2658-8663; Email sarkar.chitra@gmail.com]; **Council:** Mem 2022-; **SC: IX.**



**2011: SARKAR, Debi Prasad** (*b* 1958), PhD, Sp: Biochemistry, Molecular Virology, Molecular Cell Biology, Cell Signaling, Biotechnology & Membrane Biology; FASc, FNASc, Former JC Bose National Fellow, Professor & Former Head & Dean (Faculty of Interdisciplinary and Applied Sciences), *Department of Biochemistry, University of Delhi, South Campus, New Delhi 110021*; Former Director, IISER Mohali [Telefax (011) 2411-1967 (O), 2411-3869 (R), 98-106-96767 (M); Email dpsarkar59@gmail.com, debi.sarkar@south.du.ac.in, dpsarkar59@rediffmail.com]; **SC: VIII.**



**1999: SARKAR, Pranab Kumar** (*b* 1939), PhD, Sp: Neurodegenerative Diseases, Molecular Neurobiology, Neuroendocrinology; FASc, *Division of Neurobiology, CSIR-Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata 700032*; BD 186, Salt Lake, Kolkata 700 064 [Tel (033) 2499-5707 (O), 2337-2927 (R), 94-330-60022 (M); Fax 2473-5197; Email pk\_sarkar@hotmail.com]; INSA Honorary Scientist (2009-15); **SC: IX.**



**2007: SARKAR, Utpal** (*b* 1956), PhD, Sp: Theoretical Particle and Astroparticle Physics; FASc, FNASc, DAE Raja Ramanna Fellow, Department of Physical Sciences, Indian Institute of Science Education and Research, Kolkata, Mohanpur 741246; Res: B-04/208 Kalyani, West Bengal 741235 [Tel 98-985-86326 (M); Email utpal.sarkar@iiserkol.ac.in, utpal.sarkar.prl@gmail.com]; **Medal:** INSA Young Scientist (1988); **SC: II.**



**2001: SARMA, Dipankar Das** (*b* 1955), PhD, Sp: Electronic Structure of Solid; FASc, FNASc, FTWAS, Professor, *Solid State and Structural Chemistry Unit & Centre for Condensed Matter Theory, Indian Institute of Science, Bengaluru 560012* [Tel (080) 2360-7576, 2293-2945 (O); Fax 2360-1310; Email sarma@iisc.ac.in; Web http://sscu.iisc.ac.in/people/DDSarman/]; **Medal:** INSA Young Scientist (1983); **Lecture:** Dr Jagdish Shankar Memorial (2006), Professor KR Rao Memorial (2008); **Council:** Mem 2009-11; **SC: III.**

**1990: SARMA, Vallury Visweswara Subrahmanya** (b 1944), ME, PhD, Sp: Computer Science, Intelligent Systems and Indian Logic; FASc, FNAE, 2182 Siva, 8th Main Road, E-Block, Rajajinagar, 2nd Stage, Bengaluru 560010 [Tel (080) 2332-1876, 2332-1873 (R); Email vallury.sarma@gmail.com]; **SC: V.**



**1980: SASISEKHARAN, Vishwanathan** (b 1933), PhD, Sp: Biomolecular Structure & Function; FASc, formerly Professor, Molecular Biophysics Unit, IISc, Bengaluru 560012; **Medal:** JC Bose (1983); **SC: VIII.**



**2021: SASTRY, Garikapati Narahari** (b 1966), PhD, Sp: Computational Chemistry, Theoretical Chemistry, Computer-aided Drug Design, Machine Learning & Data Science; FASc, FNAsc, FRSC, Director, CSIR-North East Institute of Science & Technology, Jorhat, Assam; JC Bose National Fellow; Permanent Residence: H. No. 14-137/1/1A, Raja Srinivasa Nagar, Mirjalaguda X Roads, Malkajgiri Hyderabad 500 047 [Tel +91 (0376) 237-0012, 237-2742 (O), 99-635-82996 (M); Fax 237-0011; Email director@neist.res.in, gnsastry@neist.res.in, gnsastry@gmail.com; Web https://neist.res.in/acds.php]; **SC: III.**



**2016: SASTRY, Srikanth** (b 1964), PhD, Sp: Statistical Mechanics, Soft Condensed Matter Physics, Chemical Physics; FASc, FNAsc, Professor, Theoretical Sciences Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur Campus, Bengaluru 560064; No. 5 (JP), 6th Cross, L.I.C Colony, Jayanagar III Block (East), Bengaluru 560011 [Tel (080) 2208-2838 (O), 94-483-86838 (M); Fax 2208-2966, 2208-2767; Email sastry@jncasr.ac.in; Web http://www.jncasr.ac.in/sastry]; **SC: II.**



**2011: SATHEESH, Sreedharan Krishnakumari** (b 1970), PhD, Sp: Atmospheric Aerosol & Climate; FASc, FNAsc, FTWAS, Chairman, Divecha Centre for Climate Change, Professor, Centre for Atmospheric and Oceanic Science, Indian Institute of Science, Bengaluru 560012; G-504, Brigade Gateway, 26/1, Dr. Rajkumar Road, Malleswaram West, Bengaluru 560055 [Tel (080) 2293-3070 (O), 2360-0275 (R), 94-483-60274 (M); Fax 2360-0865; Email satheesh@iisc.ac.in, profsks@gmail.com]; **Medal:** INSA Young Scientist (2002); **Council:** Mem 2017-19; **SC: IV.**



**1993: SATHYAMURTHY, Narayanasami** (b 1951), PhD, Sp: Theoretical Chemistry, Molecular Reaction Dynamics; FASc, FTWAS, Honorary Professor, Indian Institute of Science Education and Research Mohali, Knowledge City, Sector 81, SAS Nagar, Mananli PO 140306 [Tel 97-791-44905 (M); Email nsath@iitk.ac.in, nsath@iisermohali.ac.in]; **Medal:** INSA Young Scientist (1980), CV Raman (2016); **Council:** VP 2010-12; **SC: III.**



**2005: SAVITHRI, Handanahal Subbarao** (b 1951), PhD, Sp: Plant Molecular Virology, Enzymology, Protein Chemistry; FASc, FNAsc, JC Bose National Fellow, Emeritus Professor, Department of Biochemistry, Indian Institute of Science, Bengaluru 560012; No. 531, Beladingalu, 14th Main, I Stage, I Phase, Gokul, Bengaluru 560054 [Tel (080) 2360-1561 (O), 2337-2981 (R), 94-483-79380 (M); Fax 2360-0814; Email hss@alumni.iisc.ac.in, hssavithri@gmail.com; Web http://www.biochem.iisc.ernet.in/~bchss/]; INSA Senior Scientist (2017-19); **SC: VII.**





**1996: SAWHNEY, Surinder Kumar** (*b* 1943), PhD, Sp: Plant Biochemistry; Professor (Retd), *E-7/1, Nebru Ground, Faridabad, NIT, Haryana 121001* [Tel 92-893-25262 (M); Email bliss46@rediff.com]; **SC: VII.**



**1973: SAXENA, Kailash Narain** (*b* 1927), DPhil, Sp: Entomology: Insect Behaviour and Management; FNAAS, formerly DDG, The International Ctr of Insect Physiology & Ecology (ICIPE), Nairobi, Kenya; Professor & Head, Zoology Department, University of Delhi; Editor-in-chief, Arthropod Management Tests, Entomological Society of America; *A-302 Gitanjali Apartments, Karkardooma, Delhi 110092* [Tel (011) 2237-4686 (R), 99-585-48850 (M); Email saxenak@hotmail.com]; **Council: Ed Pub 1975-78; SC: X.**



**2003: SAXENA, Rajiv Krishna** (*b* 1951) PhD, Sp: Immunology, Nanotoxicology, Nanosciences, Biotechnology, Pulmonary Immune Responses and Effect of Environmental Pollutants, Erythrocyte Turnover; FASc, FNASc, JC Bose National Fellow, INSA Senior Scientist, Emeritus Professor, *Faculty of Life Sciences and Biotechnology, South Asian University, Akbar Bhawan, Chanakyapuri, New Delhi 110021*; 27 Empire Estate, Sultanpur, MG Road, New Delhi 110030 [Tel (011) 2419-5297 (O), 99-100-48241 (M); Fax 2412-2511; Email rajivksaxena@hotmail.com, rksaxena@sau.int; Web <http://www.SAU.ac.in>; [www.rajivsaxena.info](http://www.rajivsaxena.info)]; **SC: IX.**



**2002: SEBASTIAN, Kizhakeyil Lukose** (*b* 1950), PhD, Sp: Theoretical Chemistry; FASc, Formerly Professor, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bengaluru; #2031, *Prestige Kensington Gardens, No. 17 HMT Main Road, Jalaballi West, Bengaluru 560013* [Tel 96-329-28096 (M); Email kls@iisc.ac.in; Web <http://ipc.iisc.ac.in/~kls/>]; **SC: III.**



**2006: SEN, Abhijit** (*b* 1946), PhD, Sp: Plasma Physics and Non Linear Dynamics; Emeritus Professor and INSA Senior Scientist, *Institute for Plasma Research, Bhat, Gandhinagar 382428*; 846, Nandanvan Society, S.G. Highway, Ahmedabad 380058 [Tel (079) 2396-9023 (O), 2692-6749 (R), 98-250-51578 (M); Fax 2396-9016; Email abhijit@ipr.res.in, senabhijit@gmail.com]; **Medal: INSA Young Scientist (1976); Council: Mem 2019-21; SC: II.**



**1996: SEN, Ashoke** (*b* 1956), PhD, Sp: High Energy Physics; FASc, FNASc, FRS, *Harish-Chandra Research Institute, Chhatnag Road, Jhusi, Allahabad 211019* [Tel (0532) 227-4302 (O), 227-4002 (R); Fax 569-576; Email sen@mri.ernet.in; Web <http://www.mri.ernet.in/~sen>]; **Medal: SN Bose (2004); SC: II.**



**2010: SEN, Diptiman** (*b* 1959), PhD, Sp: Theoretical Condensed Matter Physics, Quantum Field Theory; FASc, FNASc, Professor, *Centre for High Energy Physics, Indian Institute of Science, Bengaluru 560012*; E 12, Housing Colony, Indian Institute of Science, Bengaluru 560012 [Tel (080) 2293-2974 (O); Fax 2360-0683; Email diptiman@iisc.ac.in; Web <http://chep.iisc.ernet.in/Personnel/pages/diptiman/index.html>]; **SC: II.**

**2011: SEN, Kalidas** (b 1948), PhD, Sp: Chemical Physics; FASc, INSA Senior Scientist, *School of Chemistry, University of Hyderabad, Hyderabad 500046* [Tel (040) 2313-4809 (O), 96-520-09749 (M); Email kalidas.sen@gmail.com, kds77@uohyd.ac.in]; **Medal:** INSA Young Scientist (1978); **SC: III.**



**2018: SEN, Ranjan** (b 1967), PhD, Sp: Microbiology, Biochemistry; FNASc, FASc, Staff Scientist VII, *Center for DNA Fingerprinting and Diagnostics, Inner Ring Road, Uppal, Hyderabad 500039*; 503B Surya Towers, Snehapuri Colony, Road No. 2, Nacharam, Hyderabad 500076 [Tel (040) 2721-6103 (O), 2715-8703 (R), 98-661-22652 (M); Fax 2721-6006; Email rsen@cdfd.org.in]; **SC: VIII.**



**2012: SEN, Sandeep** (b 1962), PhD, Sp: Computer Science (Algorithms); FASc, Professor, *Department of Computer Science & Engineering, Indian Institute of Technology, Hauz Khas, New Delhi 110016*; 42 Vikramshila, IIT Campus, New Delhi 110016 [Tel (011) 2659-1293 (O), 2659-1605 (R), 98-681-14462 (M); Email ssen@cse.iitd.ac.in]; **SC: V.**



**1979: SEN, Sisir Kumar** (b 1929), PhD (Chicago), Sp: Metamorphic Petrology & Geochemistry; FNASc; formerly Professor & Dean, IIT, Kharagpur; *B12, Indraprastha Apartments, Plot No 114 IP Extension, Patparganj, Delhi 110092* [Tel 99-716-61943 (M); Email sksen201030@gmail.com]; **Medal:** DN Wadia (2012); INSA Senior Scientist (1994-99); **SC: IV.**



**2021: SENGUPTA, Krishnendu** (b 1970), PhD, Sp: Theoretical Condensed Matter Physics; FASc, FNASc, Senior Professor, *Theoretical Physics Department, Indian Association for the Cultivation of Science, 2A and B, Raja SC Mullick Road, Jadavpur, Kolkata 700032*; 6/15 PB Road, Behala, Kolkata 700034 [Tel (033) 2473-4971 Ext 2192, 98-301-78500 (M); Email tpks@iacs.res.in, ksengupta1@gmail.com]; **SC: II.**



**2011: SENGUPTA, Pulak** (b 1963) PhD, Sp: Metamorphic Petrology and Precambrian Geology; FASc, DAAD Visiting Professor, Professor of Geology, *Department of Geological Sciences, Jadavpur University, Kolkata 700032*; 43/6/11 Jheel Road, Kolkata 700031 [Tel 97-483-59495 (M); Email pulaksg@gmail.com]; **Medal:** INSA Young Scientist (1991); **SC: IV.**



**2017: SENGUPTA, Sagar** (b 1968), PhD, Sp: Cancer Biology, Cell Biology, DNA Damage Response, DNA Repair, Mitochondria Biology; Staff Scientist VII, *National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110067*; Flat 1602, Plot 95, Golfink Apartment, Sector 54, Gurugram 122011 [Tel (011) 2670-3786 (O); Fax 2674-2125; Email sagar@nii.ac.in]; **SC: IX.**



**1995: SENGUPTA, Sudipta** (b 1946), PhD, Sp: Structural Geology & Precambrian Geology; formerly Professor, *Department of Geological Sciences, Jadavpur University, Kolkata 700032*; C-27, 5th Floor, Swinhoe Apartment, 12/1 Swinhoe Street, Kolkata 700019 [Tel (033) 2440-5471 (R), 98-302-30144 (M); Email sudipta20@gmail.com, sudiptasg@yahoo.com]; **Medal:** DN Wadia (2015); INSA Senior Scientist (2011-15); **Council:** Mem 2001-03; **SC: IV.**





**2017: SENTHILKUMARAN, Balasubramanian** (*b* 1965), PhD, Sp: Fish Molecular Endocrinology, Developmental Biology and Reproductive Biology; FASc, FNASc, Professor, *Department of Animal Biology, School of Life Sciences, University of Hyderabad, PO Central University, Gachibowli, Hyderabad 500046*; A-47, Faculty Quarters, South Campus, University of Hyderabad, PO Central University, Gachibowli, Hyderabad 500046 [Tel (040) 2313-4562/4662 (O), 2988-6518 (R), 94-401-40637 (M); Fax 2301-0120; Email [bsksl@uohyd.ac.in](mailto:bsksl@uohyd.ac.in), [senthilkumaranb@yahoo.com](mailto:senthilkumaranb@yahoo.com), [senthilkumaranbalasubramanian@gmail.com](mailto:senthilkumaranbalasubramanian@gmail.com)]; **SC: VI.**



**1998: SETH, Prahlad Kishore** (*b* 1943), PhD, Sp: Biochemical Pharmacology & Toxicology, Neurotoxicology, Neurochemistry, Biotechnology; FNASc, FAMS, NASI Senior Scientist & Founder CEO, *Biotechnology Park & Former Director, IITR, Sector-G, Jankipuram Kursi Road, Lucknow 226021*; C-296, Nirala Nagar, Lucknow 226020 [Tel (0522) 405-3004, 236-5050 (O), 278-6437 (R), 98-390-10166 (M); Fax 401-2081; Email [pkseth@hotmail.com](mailto:pkseth@hotmail.com), [prahladseth@gmail.com](mailto:prahladseth@gmail.com); Web <http://biotechpark.org.in>]; **Council: Ad Mem 2008, 2014; SC: IX.**



**1990: SETHUNATHAN, Nambrattil** (*b* 1937), PhD, Sp: Environmental Microbiology; FASc, FNASc, FNAAS, formerly Visiting Scientist, CSIRO Land and Water, PMB 2, Glen Osmond, SA 5064, Australia and Principal Scientist and Head, Soil Science and Microbiology, CRRRI, Cuttack; *2244, West River Rock Trail, Anthem, AZ 85086, USA* [Tel (+1) 623 551 6015 (M); Email [sethunathan@hotmail.com](mailto:sethunathan@hotmail.com)]; INSA Senior Scientist (1998-2001); **Council: Mem 1995-97; SC: X.**



**1996: SETTY, B Sreenivasulu** (*b* 1936), PhD, Sp: Reproductive Biology, Fertility Regulation; FNASc, formerly Senior Dy Director & Head, Division of Endocrinology, CDRI, Lucknow; *Flat No. D-801, Majesto Tower, Lodha Meridian Apartments, Rain Tree Park Road, Kukatpally Phase 5, Hyderabad 500085* [Tel (040) 2337-2917 (R), 93-910-16206 (M); Email [dr\\_settybs@yahoo.co.in](mailto:dr_settybs@yahoo.co.in)]; **SC: VI.**



**1980: SHAH, Jaysukh Jagmohandas** (*b* 1924), PhD, Sp: Plant Anatomy & Wood Science; formerly Head, Professor of Botany, Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar 388120; *29, HIG, Freedom Fighter Nagar, Near Samta Soc, Vadodara 390023* [Tel 98-250-17882 (M); Email [jjshah87@yahoo.in](mailto:jjshah87@yahoo.in)]; INSA Senior Scientist (1985-87); **SC: VI.**



**1987: SHAH, Raman Vadilal** (*b* 1926), PhD, Sp: Comp Anatomy, General Developmental Physiology; formerly Professor, Head, Department of Zoology, Faculty of Sciences, MS University of Baroda, Vadodara 390008; *7, Indraprastha, New Sama Road, Vadodara 390008* [Tel (0265) 278-1346 (R)]; **SC: VI.**



**2008: SHAHA, Chandrima** (*b* 1952), PhD, Sp: Cell Biology, Biochemistry; FASc, FNASc, FTWAS, FAScT; JC Bose Chair, Distinguished Professor, *National Academy of Sciences, Indian Institute of Chemical Biology; 4, Raja S.C. Mullick Road, Kolkata 700032*; Former Director and Professor of Eminence, *National Institute of Immunology, New Delhi*; Res: 20/15 NSC Bose Road, Grahams Land, Kolkata 700040 [Tel 99-584-20001 (M); Email [cshaha0@gmail.com](mailto:cshaha0@gmail.com), [cshaha@nii.ac.in](mailto:cshaha@nii.ac.in); Web <http://www1.nii.res.in/research/chandrima-shaha>]; **Medal: Chandrakala Hora Memorial (2013); SS Bhatnagar (2019); Lecture: Professor Darshan Ranganathan Memorial (2010); Council: Ad Mem 2015, VP 2016-18, Pres 2020-; SC: VIII.**

**2007: SHANBHAG, Bhagyashri Achut** (*b* 1950), PhD, Sp: Biology of Reproduction and Endocrinology, Behavioral Ecology; FASc, FNASc, formerly Professor of Zoology, Karnatak University, Dharwad; FF4, *Trigunatmika Apartments, Haliyal Road, Saptapur, Dharwad 580001, Karnataka* [Tel 94-481-84536 (M); Email bhagyashrishanbhag@gmail.com]; INSA Senior Scientist (2013-15); **SC: VI.**



**1996: SHARAN, Maithili** (*b* 1953), PhD, Sp: Applied Mathematics: Atmospheric Science: Air Pollution; FNASc, FNAE, Professor Emeritus and Former Head and JC Bose National Fellow, *Centre for Atmospheric Sciences, Indian Institute of Technology, Hauz Khas, New Delhi 110016*; A-4 Solar House, IIT Campus, New Delhi 110016 [Tel (011) 2659-1312 (O), 2651-5480, 2659-1946 (R), 98-108-45534 (M); Email mathilis@cas.iitd.ernet.in, mathilis.iit@gmail.com]; **Medal:** INSA Young Scientist (1984); **Council:** Mem 2022-; **SC: I.**



**2004: SHARMA, Anurag** (*b* 1955), PhD, Sp: Photonics: Fiber & Integrated Optics, Gradient-Index Optics, Applied Optics; FASc, FNASc, FNAE, Emeritus Professor, *Department of Physics, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016*; D-202 (FF), Saket, New Delhi 110017 [Tel (011) 2659-1350, 2659-1331 (O), 2686-7022 (R); Email asharma@physics.iitd.ac.in]; **Medal:** INSA Young Scientist (1986), AK Bose Memorial (1991); **Council:** VP 2017-19; **SC: V.**



**2004: SHARMA, Ashutosh** (*b* 1961), PhD, DSc (*hc*), Sp: S&T Policies, Nanotechnology, Instabilities and Self-Organization in Thin Films, Nano-patterning, Nano-mechanics, Colloid and Interface Science, Biomaterials, Functional Nanomaterials for Energy, Environment, Health and Sensors; FASc, FNASc, FNAE, FTWAS, Institute Chair Professor, Department of Chemical Engineering, Indian Institute of Technology, Kanpur 208016; Former Secretary, *Department of Science and Technology, Government of India (January 2015-August 2021)* [Tel (0512) 259-7026 (O); Email ashutos@iitk.ac.in, asharma.dst@gov.in; Web <http://www.iitk.ac.in/che/as.htm>]; **Medal:** SH Zaheer (2011), Meghnad Saha (2018); **Council:** Mem 2014-16; **SC: V.**



**2022: SHARMA, Dinesh Kumar** (*b* 1950), PhD, Sp: Microelectronics, VLSI Design; FIETE, Emeritus Professor, *EE Department, Indian Institute of Technology Bombay, Mumbai 400076*; 1103A, Tulsigagan, Plot 28-29, Sector 21, Kharghar, Navi Mumbai 410210 [Tel (022) 2576-7432 (O), 2774-3426 (R), 96-191-97432 (M); Email dinesh@ee.iitb.ac.in, iitdinesh@gmail.com]; **NC.**



**2014: SHARMA, Eklabya** (*b* 1958), PhD, Sp: Ecology; FNASc, Vice Chancellor, TERI School of Advance Studies, 10 Institutional Area, Vasant Kunj, New Delhi 110070; Sharma Cottage, St. Mary's Hill, Kurseong, Darjeeling, West Bengal 734220 [Tel (011) 7180-0222 (O), 98-181-89503 (M); Email eklabya.sharma@terisas.ac.in, eklabyasharma11@gmail.com]; **Medal:** INSA Young Scientist (1988); **SC: VI.**



**1976: SHARMA, Man Mohan** (*b* 1937), PhD (Cantab), DSc (*hc*), DEng (*hc*), Sp: Multiphase Reactions and Reactors; FASc, FTWAS, FREng, FRS, Foreign Assoc USNA Engg, FNASc (Hon), LLD(Hon), Intl Fellow Royal Acad Eng, Emeritus Professor of Eminence and formerly Professor of Chemical Engg & Director, Institute of Chemical Technology, Mumbai 400019; 2/3, *Jasvant Baug (Runwal Park), Behind Akbarally, Chembur, Mumbai 400071* [Tel (022) 2529-1539; Email profmsharma@gmail.com]; **Medal:** Vishwakarma (1985), Meghnad Saha (1994), INSA Medal for Promotion & Service to Science (2008); **Lecture:** Sir JC Bose Memorial (1994); **Council:** Mem 1980-82, VP 1987-88, Pres 1989-90, Ad Mem 1991-92; **SC: V.**





**2015: SHARMA, Pushkar** (*b* 1969), PhD, Sp: Signal Transduction, Biochemistry, Malaria, Neuroscience; FNASc, Staff Scientist-VII, *National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110067*; A10, National Institute of Immunology, New Delhi 110067 [Tel (011) 2670-3791 (O), 98-107-25454 (M); Fax 2674-2125; Email [pushkar@nii.ac.in](mailto:pushkar@nii.ac.in); Web <http://www1.nii.res.in/research/pushkar-sharma>]; **SC: VIII.**



**1992: SHARMA, Ram Swaroop** (*b* 1937), DPhil (Basel), Sp: Metamorphic Petrology & Precambrian Geology; FASc, *70/36 Pratapnagar, Sector 7, Sanganeer (RHB), Jaipur 302033* [Tel (0141) 279-0317 (R), 94-148-88025 (M); Email [sharma.r.sw@gmail.com](mailto:sharma.r.sw@gmail.com)]; **SC: IV.**



**1999: SHARMA, Rameshwar Prasad** (*b* 1940) PhD, Sp: Genetics, Cytogenetics and Plant Biotechnology; FASc, FNASc, FNAAS, INSA Emeritus Scientist & formerly Project Director, National Research Centre on Plant Biotechnology, Indian Agricultural Research Institute, New Delhi 110012; *C-II-204, Eldeco Ananda Apartments, Block-D, Sector 48, Noida 201301* [Tel 98-106-78220 (M); Email [rpsnrpcb@yahoo.co.in](mailto:rpsnrpcb@yahoo.co.in)]; **Medal:** Silver Jubilee Commemoration (2013); INSA Honorary Scientist (2010-15); **Council:** Mem 2001-03; **SC: X.**



**2015: SHARMA, Shobhona** (*b* 1953), PhD, Sp: Parasite Biology and Immunology; FASc, INSA Honorary Scientist, Institute of Chemical Technology, Mumbai; formerly Senior Professor and Chairperson, Department of Biological Sciences, Tata Institute of Fundamental Research, Mumbai; *1103 A, Tulsigagan Building, President CHS, Plot No 28 & 29, Sector 21, Kharghar, Navi Mumbai 410210* [Tel (022) 2774-3426 (R), 98-923-52830 (M); Email [sharma@tifr.res.in](mailto:sharma@tifr.res.in), [shobhona@gmail.com](mailto:shobhona@gmail.com); Web [http://www.tifr.res.in/~dbs/faculty/S\\_Sharma.html](http://www.tifr.res.in/~dbs/faculty/S_Sharma.html)]; **Council:** Mem 2018-20; **SC: IX.**



**2013: SHARMA, Surendra Kumar** (*b* 1951), MD, PhD, Sp: General Medicine, Pulmonary, Critical Care and Sleep Medicine & Infectious Diseases; FNASc, FASc, JC Bose National Fellow, Adjunct Professor, *Department of Molecular Medicine, Jamia Hamdard Institute of Molecular Medicine, Hamdard University, Hamdard Nagar, Delhi 110062* & Director Research & Adjunct Professor, Departments of General Medicine & Respiratory Medicine, JNMC, Datta Meghe Institute of Medical Sciences (DMIMS), Sawangi (M), Wardha (Maharashtra); formerly Professor & Head, Department of Medicine, AIIMS, New Delhi [Tel (011) 4940-5842 (O), 2611-5666 (R), 98-990-88092 (M); Email [sksharma.aiims2@gmail.com](mailto:sksharma.aiims2@gmail.com)]; **SC: IX.**



**2016: SHARMA, Surinder Mohan** (*b* 1952), PhD, Sp: Materials Behavior under High Pressures and Development of Synchrotron Beamlines; FNASc, FASc, Retd DAE Distinguished Scientist & Director, Physics Group & Head, High Pressure & Synchrotron Radiation Physics Division, BARC, Mumbai; *C-32, Kendriya Vihar Coop Hsg Soc., Sector 38, Nerul, Navi Mumbai 400706* [Tel 98-197-67483, 001 509-715-7281 (M); Email [smsharma09@gmail.com](mailto:smsharma09@gmail.com)]; **SC: II.**

**2013: SHARMA, Tilak Raj** (*b* 1965), PhD, Sp: Agricultural Biotechnology and Disease Resistance; FNASc, FNAAS, JC Bose National Fellow, Deputy Director General (Crop Science), *Indian Council of Agricultural Research, Ministry of Agriculture and Farmer's Welfare, Govt. of India, Krishi Bhawan, New Delhi 110001*; B-8 NASC Complex, DPS Marg, New Delhi 110012 [Tel (011) 2338-2545/2309-7003 (O), 98-183-86057 (M); Email [trsharma1965@gmail.com](mailto:trsharma1965@gmail.com), [ddgcs.icar@nic.in](mailto:ddgcs.icar@nic.in)]; **Medal:** Professor KS Bilgrami Memorial (2018); **Council:** Mem 2021-; **SC: X.**



**2003: SHARMA, Vishnu Dutt** (*b* 1949), PhD, Sp: Partial Differential Equations and Nonlinear Wave Phenomena; FNASc, *Visiting Professor, Department of Mathematics, Indian Institute of Technology Gandhinagar, Palaj, Gandhinagar - 382355*; IIT Gandhinagar Campus, Housing Block: 1/201 [Tel 98-206-05360 (M); Email [vsharma@iitgn.ac.in](mailto:vsharma@iitgn.ac.in), [vduttsharma@gmail.com](mailto:vduttsharma@gmail.com)]; **SC: I.**



**2006: SHARMA, Yagya Dutta** (*b* 1951), PhD, Sp: Molecular Parasitology, Malaria, Molecular Epidemiology; FASc, FNASc, formerly Professor & Head, Department of Biotechnology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029; *C-65, Golfview Apartments, Saket, New Delhi 110017* [Tel 98-108-44106 (M); Email [ydsharma\\_aaims@yahoo.com](mailto:ydsharma_aaims@yahoo.com), [ydsharma@hotmail.com](mailto:ydsharma@hotmail.com)]; **SC: IX.**



**2019: SHARMA, Yogendra** (*b* 1959), PhD, Sp: Biophysics; FNASc, FASc; Professor and Dean, IISER Berhampur, ex-Chief Scientist, *CSIR-Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500007*; Flat E204, Indu Aranya Pallavi Apt., GSI Post, Nagole, Hyderabad 500068 [Tel 99-086-30358 (M); Email [yogendra@iiserbpr.ac.in](mailto:yogendra@iiserbpr.ac.in), [yogendra.cmb@gmail.com](mailto:yogendra.cmb@gmail.com)]; **SC: VIII.**

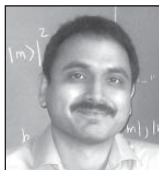


**2007: SHASHIDHARA, Lingadahalli Subrahmanya** (*b* 1963), PhD, Sp: Genetics and Developmental Biology; FASc, FNASc, Professor (Biology), *Ashoka University, Sonapat 131029 (currently on lien from Indian Institute of Science Education and Research (IISER), Dr Homi Bhabha Road, Pune 411008)*; No B702, IISER Campus, Dr Homi Bhabha Road, Pune 411008 [Tel (020) 2590-8001 (O), 98-234-32303 (M); Fax 2589-9790; Email [ls.shashidhara@ashoka.edu.in](mailto:ls.shashidhara@ashoka.edu.in)]; **Council:** Mem 2015, VP 2016-17; **SC: VII.**



**1999: SHASTRY, Balajapalli Sriram** (*b* 1950), PhD, Sp: Condensed Matter Theory, Statistical Mechanics; FASc, FNASc, FTWAS, Distinguished Professor of Physics, *Department of Physics, University of California, Santa Cruz, CA 95064, USA* [Tel (831) 459-5849 (O); Fax 459-3043; Email [sriram@physics.ucsc.edu](mailto:sriram@physics.ucsc.edu)]; **Council:** Mem 2003-05; **SC: II.**





**2020: SHENOY, Vijay Balakrishna** (b 1971), PhD, Sp: Condensed Matter Theory; FASc, Professor, *Centre for Condensed Matter Theory, Department of Physics, Indian Institute of Science, Bengaluru 560012*; No. E-26, New Housing Colony, IISc Campus, Indian Institute of Science, Bengaluru 560012 [Tel (080) 2293-2888 (O), 2360-5620 (R), 94-490-55620 (M); Fax 2360-2315; Email shenoy@iisc.ac.in; Web <http://www.physics.iisc.ernet.in/~shenoy/>]; **Medal:** INSA Young Scientist (2002); **SC: II.**



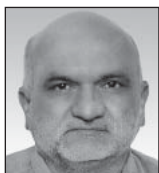
**1998: SHETYE, Satish Ramnath** (b 1950), PhD (Washington), Sp: Physical Oceanography; FASc, FNASc, *Yashoda, House No. C-14/162, Tonca, Caranzalem, Goa 403002* [Tel (0832) 246-1660 (R), 90-110-56605 (M); Email satishrshetye@gmail.com]; **Council:** Mem 2005-07; **SC: IV.**



**1994: SHIVANNA, Kundaranahalli Ramalingaiah** (b 1940), PhD, Sp: Reproductive Biology particularly Pollen Biology and Biotechnology, and Conservation Biology; FASc, FNASc, FNAAS, Honorary Senior Fellow, ATREE (Ashoka Trust for Research in Ecology and the Environment), Royal Enclave, Srirampura, Jakkur Post, Bengaluru 560064; formerly Professor and Head, Department of Botany, University of Delhi; *Odekar Farms, Nandiballi, Via Thovinakere, Tumkur District, Karnataka 572138* [Tel 94-495-43848 (R); Email shivanna@atree.org, shivannakr40@gmail.com]; **Lecture:** Professor Panchanan Maheshwari Memorial (2004); INSA Senior Scientist (2003-08), INSA Honorary Scientist (2009-15); **SC: VI.**



**1986: SHOREY, Tarlok Nath** (b 1945), PhD, Sp: Number Theory; FASc, FNASc, Adjunct Professor, National Institute of Advanced Studies, IISc Campus, Bengaluru 560012; *2062 Prestige Park View, Near Hope Farm Junction, Kadugodi Road, Whitefield, Bengaluru 560066* [Tel (080) 2218-5000 (O), 4956-2205 (R); Email tarloknathshorey@gmail.com]; INSA Senior Scientist (2016-19); **SC: I.**



**2021: SHOUCHE, Yogesh** (b 1960), PhD, Sp: Microbial Diversity, Human Microbiome, Microbial Taxonomy; Emeritus Scientist, *National Center for Science, Savitribai Phule Pune University Campus, Ganeshkhind, Pune 411007*; IV SPL D3, NCCS Quarter, NCCS Complex, Savitribai Phule Pune University Campus, Ganeshkhind, Pune 411007 [Tel 98-226-23257 (M), Email yogesh@nccs.res.in, yogesh.shouche@gmail.com]; **SC: VI.**



**2007: SHUKLA, Ashok Kumar** (b 1947), PhD, Sp: Materials Electrochemistry with special emphasis on Batteries, Fuel Cells and Electrochemical Supercapacitors; FASc, FNASc, FNAE, FECS, Emeritus Professor, *Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560012* [Tel (080) 2293-2795 (O), 2337-4075 (R); Fax 2360-1310; Email akshukla2006@gmail.com]; **Medal:** Vishwakarma (2018); **SC: III.**



**1995: SHYAMASUNDAR, Rudrapatna Kallikote** (b 1950), ME, PhD, Sp: Computer Science; FASc, FNASc, FNAE, FTWAS, JC Bose National Fellow & Distinguished Visiting Professor, *Department of Computer Science and Engineering, Indian Institute of Technology Bombay, Powai, Mumbai 400076*; 203, Shubh Heritage, Parmavati Road, Opposite IITB Market Gate, Powai, Mumbai 400076 [Tel (022) 2576-7708 (O), 98-183-20188, 99-871-30188 (M); Fax 2572-3480; Email shyamasundar@gmail.com; Web <http://www.tcs.tifr.res.in/~shyam/>]; **SC: V.**

**2017: SIDDAVATTAM, Dayananda** (b 1957), PhD, Sp: Microbiology; FNASc, Professor, *Department of Animal Biology, School of Life Sciences, University of Hyderabad, Hyderabad 500046*; 345, Doyens Township, Serilingam Palli, Hyderabad 500032 [Tel (040) 2301-3233 (O), 2313-4578 (R), 98-498-85348 (M); Fax 2301-0120; Email siddavattam@gmail.com, sds1@uohyd.ernet.in]; **SC: VI.**



**1995: SIDDIQ, Ebrahimali Abubacker** (b 1937), PhD, DSc (hc), Sp: Genetics & Plant Breeding; FNASc, FNAAS, INSA Emeritus Scientists, Hon Professor, Institute of Biotechnology, Professor, Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad 500030; *Plot No. 81, "Jasmine", Happy Homes Colony, Upparapalli Hyderguda PO, Hyderabad 500048* [Tel (040) 2401-8625 (R), 90-323-26727 (M); Email easiddiq@gmail.com, easiddiq@rediffmail.com]; **Medal:** Silver Jubilee Commemoration (1997), SL Hora (2011); INSA Senior Scientist (2017-18); **Council:** Mem 1998-2000, Ad Mem 2006; **SC: X.**



**2011: SIDDIQI, Imran** (b 1957), PhD, Sp: Plant Molecular Genetics; Scientist Gr IV (5) and Group Leader, *CSIR-Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500007*; 1-2-83 St No 1, Kakatiyanagar, Habshiguda, Uppal Road, Hyderabad 500007 [Tel (040) 2719-2570 (O), 98-666-33195 (M); Fax 2716-0591; Email imran@ccmb.res.in, imransiddi@gmail.com]; **SC: VII.**



**1988: SIKKA, Satinder Kumar** (b 1942), PhD, Sp: High Pressure, Shockwaves, Neutron Diffraction & Energy Bands; FASc, FNASc, formerly Scientific Secretary, Office of the Principal Scientific Adviser to the Govt. of India; formerly DAE Homi Bhabha Chair Professor and Distinguished Scientist and Director, Atomic and Condensed Matter Physics Group, BARC, Mumbai; *House No 538, Sector 17, Faridabad 121002* [Tel (0129) 408-6016 (R), 99-588-57056 (M); Email sksikka42@gmail.com]; **Medal:** HJ Bhabha (2005); INSA Honorary Scientist (2013-16); **SC: II.**



**1999: SIMON, Rajiah** (b 1948), PhD, Sp: Classical and Quantum Optics, Foundations of Quantum Mechanics, and Quantum Information Theory; FASc, Senior Professor, *The Institute of Mathematical Sciences, CIT Campus, Chennai 600113*; No 3/358A, Kuppam Main Road, Venkateswara Nagar, Kottivakkam, Chennai 600041 [Tel (044) 2254-3120 (O), 82-203-33595 (M); Fax 2254-1586; Email simon@imsc.res.in]; **SC: II.**



**1999: SINGH, Ajit Iqbal** (b 1943), PhD, Sp: Functional Analysis, Harmonic Analysis, Quantum Information Theory; FNASc, INSA Emeritus Scientist, *Apt. 102, Block II, Sixth Floor, Din Apartments, Plot No. 7, Sector 4, Dwarka, New Delhi 110075* [Tel 92-120-68046 (M); Email ajitis@gmail.com]; INSA Honorary Scientist (2013-16); **Council:** Mem 2006-08; **SC: I.**



**2019: SINGH, Ashok Kumar** (b 1962), PhD, Sp: Genetics and Molecular Breeding in Rice; FNAAS, Head, *Division of Genetics, Indian Agricultural Research Institute, New Delhi 110012*; B-18, Indian Agricultural Research Institute, Pusa Campus, New Delhi 110012 [Tel (011) 2584-1481 (O), 2584-3464 (R), 98-990-45037 (M); Fax 2584-1481; Email aks\_gene@yahoo.com]; **SC: X.**





**1992: SINGH, Balwant** (b 1940), PhD, Sp: Algebraic Geometry & Commutative Algebra; FASc, Emeritus Professor, UM-DAE Centre for Excellence in Basic Sciences, Mumbai University Campus, Kalina, Mumbai 400098; 105, *Vaigyanik Society*, Plots 58-59, Sector 14, Vashi, Navi Mumbai 400703 [Tel (022) 2653-2136 (O), 2788-2238 (R), 98-924-50089 (M); Email [balwantbagga@gmail.com](mailto:balwantbagga@gmail.com)]; **SC: I.**



**2014: SINGH, Bhim** (b 1956), PhD, Sp: Electrical Engineering; FNASc, FNAE, Professor, *Department of Electrical Engineering, Indian Institute of Technology, Hauz Khas, New Delhi 110016*; 7 New Campus, IIT Delhi, Hauz Khas, New Delhi 110016 [Tel (011) 2659-1045 (O), 2651-6223, 2659-1890 (R), 98-115-02125 (M); Fax 2658-1606, 2658-1264; Email [bsingh@ee.iitd.ac.in](mailto:bsingh@ee.iitd.ac.in), [bhim\\_singh@yahoo.com](mailto:bhim_singh@yahoo.com), [bhimsinghr@gmail.com](mailto:bhimsinghr@gmail.com)]; **SC: V.**



**2005: SINGH, Bijay** (b 1950), PhD, Sp: Soil Fertility and Chemistry; FNAAS, INSA Honorary Scientist, *Department of Soil Science, Punjab Agricultural University, Ludhiana 141004*; 69, Green Field, Ludhiana 141002 [Tel (0161) 240-1960 Ext 317 (O), 98-155-69369 (M); Fax 240-0945; Email [bijaysingh20@hotmail.com](mailto:bijaysingh20@hotmail.com)]; **Medal:** Professor KS Bilgrami Memorial (2009); **Lecture:** Professor BD Tilak (2014); INSA Senior Scientist (2012-17); **Council:** Mem 2010-12; **SC: X.**



**1995: SINGH, Harjit** (b 1938), PhD, Sp: Organic Chemistry; FASc, FNASc, Professor Emeritus, *Department of Chemistry, Guru Nanak Dev University, Amritsar 143005*; 151, Defence Enclave, Amritsar 143001 [Tel (0183) 258-802-9 Ext 3194 (O), 94-656-70668 (M), (+1) 70-372-96849 (M); Fax 258-820; Email [harjit\\_gndu@yahoo.co.in](mailto:harjit_gndu@yahoo.co.in)]; **Medal:** Professor TR Seshadri 70th Birthday Commemoration (2000); **Council:** Mem 1997-99; **SC: III.**



**2012: SINGH, Harkesh Bahadur** (b 1956), PhD (LKO), PhD (Aston), Sp: Organometallic Chemistry, Inorganic Chemistry; FASc, FNASc, JC Bose National Fellow, Professor, *Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai 400076*; B-305, Blue Nile Pacific Enclave, Near Hiranandani Hospital, Powai, Mumbai 400076 [Tel 93-238-40676 (M); Email [chhsbsia@gmail.com](mailto:chhsbsia@gmail.com)]; **SC: III.**



**2022: SINGH, Inderjit** (b 1963), PhD, Sp: Plant Ecology; Professor, *Department of Environmental Studies, North Campus, University of Delhi, Delhi 110007*; 38/11 Probyn Road, University of Delhi, Delhi 110007 [Tel (011) 2766-7689 (O), 98-188-67070 (M); Email [inderjitdu@gmail.com](mailto:inderjitdu@gmail.com)]; **SC: VI.**



**1984: SINGH, Jamuna Sharan** (b 1941), PhD, Sp: Ecology, Ecosystems Analysis & Ecophysiology; FASc, FNASc, FTWAS, INSA Honorary Scientist, Professor Emeritus, *Department of Botany, Banaras Hindu University, Varanasi 221005*; N 4/11 A-2-B-T, Rajiv Nagar Colony, Karaundi, Varanasi 221005 [Tel (0542) 236-8399 (O), 257-0120 (R), 93-351-78355 (M); Fax 236-8174; Email [singh.js1@gmail.com](mailto:singh.js1@gmail.com), [singh.js1@yahoo.com](mailto:singh.js1@yahoo.com), [jssingh@bhu.ac.in](mailto:jssingh@bhu.ac.in)]; **Medal:** Professor SB Saksena Memorial (1999); **Lecture:** BN Chopra (2010); INSA Senior Scientist (2014-16); **Council:** Mem 1989-91; **SC: VI.**

**2021: SINGH, Krishna Nand** (b 1962), PhD, Sp: Organic Chemistry; FNASc, Professor of Organic Chemistry, *Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi 221005*; B-301, Shanti Niketan Apartments, Shivpuri Colony, Nagwa, Lanka, Varanasi 221005 [Tel 94-159-92580, 73-805-43868 (M)]; Fax (0542) 236-8127; Email knsinghbhu@yahoo.co.in, knsingh@bhu.ac.in]; **SC: III.**



**2018: SINGH, Kulinder Pal** (b 1952), PhD, Sp: Astronomy and Astrophysics; FASc, FNASc, Visiting Professor, Department of Physical Sciences, Indian Institute of Science Education and Research, Mohali, Knowledge City, Sector 81, SAS Nagar, Manauli PO 140306, Punjab; Formerly Senior Professor, TIFR, Mumbai; Member, Board of Management, Sant Longowal Institute of Engineering and Technology, Longowal, Punjab 148106; 28A, Bank Colony, Patiala 147001; Member, Editorial Board, *Current Science* [Tel 90-048-38965 (M); Email kulinderpal@gmail.com]; **SC: II.**



**1986: SINGH, Mahendra Pal** (b 1931), PhD (Maryland), Sp: Applied Mathematics, Air Pollution Modelling and Biofluid Dynamics; FNASc, FASc, formerly Professor, Department of Mathematics, Centre for Biomedical Engg, and Founding Head of Centre for Atmos Science, IIT Delhi; Founding Director, Ansal Institute of Technology, Gurugram; Executive Director, Ansal Institute of Technology and Management, Lucknow; 101/01 Silver Oak Apts, DLF Qutub Enclave, Phase I, Gurugram 122002 [Tel (0124) 408-7186 (O), 436-0833 (R), 99-715-11155, 76-785-62490 (M); Email profmpsingh33@gmail.com, execdir@aitmlucknow.edu.in, mpsingh3@hotmail.com]; **SC: I.**



**2019: SINGH, Maya Shankar** (b 1960), PhD, Sp: Organic Chemistry (Synthesis, Methodology); FNASc, FASc, JC Bose National Fellow, CNR Rao Chair Professor, Professor, *Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi 221005*; #131, KESHAV-MAYA, Janaki Nagar, Bhagwanpur, Samane Ghat Lanka, Varanasi 221005 [Tel (0542) 236-8127 (O), 94-153-72614 (M); Fax 236-8127; Email mayashankarbhu@gmail.com, mssingh@bhu.ac.in]; **SC: III.**



**2009: SINGH, Mewa** (b 1951), PhD, Sp: Ecology, Animal Behaviour; FASc, FNASc, SERB Distinguished Fellow, Distinguished Professor (for Life), *Department of Psychology, University of Mysore, Manasagangothri, Mysore 570006*; 193, Kuvempu Raste, RT Nagar, Ramakrishnana Nagar PO, Mysore 570022 [Telefax (0821) 241-9372 (O), 295-2327 (R), 94-486-03506 (M); Email mewasinghltm@gmail.com]; **Medal: SL Hora (2017); SC: VI.**

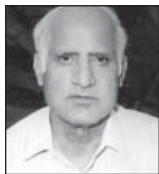


**2011: SINGH, Nagendra Kumar** (b 1958) PhD, Sp: Plant Genomics, Transgenic Development, Molecular Breeding, Grain Quality in Rice and Wheat; FNAAS, National Professor and BP Pal Chair in Genetics and Plant Breeding, *NRC on Plant Biotechnology, Indian Agricultural Research Institute, New Delhi 110012*; 148 DDA SFS Flats, Sector 5, Pocket 1, Dwarka, New Delhi 110075 [Tel (011) 2584-1186 (O), 2808-1376 (R); Fax 2584-3914; Email nksingh@nrpcb.org, nksingh4@gmail.com]; **SC: X.**



**2010: SINGH, Narpinder** (b 1962), PhD, Sp: Food Science and Technology; FNASc, FNAAS, Director of Research, Professor & Head, *Department of Food Science & Technology, Guru Nanak Dev University, Amritsar 143005*; 101 Kabir Park, Amritsar [Tel (0183) 225-8802-09 Ext 3216 (O), 225-5433 (R), 94-647-77980 (M); Fax 225-8820; Email narpinders@yahoo.com]; **Medal: INSA Young Scientist (1993); Professor KS Bilgrami Memorial (2021); SC: X.**





**1988: SINGH, Nirmal Tej** (*b* 1933), PhD, Sp: Soil Science; FNAAS, formerly Director, CSSRI, Karnal; *125D Kitchlu Nagar, Ludhiana 141001* [Tel (0161) 470-188 (R)]; INSA Senior Scientist (1994-98); **Council:** Mem Jan-Oct 2009; **SC: X.**



**1990: SINGH, Pawan Kumar** (*b* 1945), PhD, Sp: Plant Sciences, Microbiology, Algology, Sustainable Agriculture, Research Management; FNAAS, INSA Emeritus Scientist, Department of Botany, BHU, Varanasi, formerly Vice Chancellor, CSAUA&T, Kanpur; Joint Director (Research) & Project Director & Director, IARI, New Delhi; Joint Director & Director, CRRRI, Cuttack; *House No B3/22, Shivala, Post Shivala, Varanasi 221001* [Tel 94-157-14584 (M); Fax 670-1124; Email pksalgae@yahoo.co.in]; INSA Senior Scientist (2011-15), INSA Honorary Scientist (2016-19); **Council:** Mem 2010-2011; **SC: VI.**



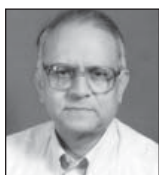
**2021: SINGH, Pradhyumna Kumar** (*b* 1968), PhD, Sp: Crop Genetic Engineering; Senior Principal Scientist, *Plant Molecular Biology and Biotechnology Division, CSIR-National Botanical Research Institute (NBRI), Rana Pratap Marg, Lucknow 226001, Uttar Pradesh*; 631/13, Navneet Vihar, Sector 9, Indira Nagar, Lucknow 226006, Uttar Pradesh [Tel (0552) 2297942 (O), 70-808-44111 (M); Email pksingh@nbri.res.in]; **SC: X.**



**1997: SINGH, Randhir** (*b* 1944), PhD, Sp: Plant Biochemistry & Biotechnology; FASc, FNASc, FNAAS, Director General, *Doon Valley Group of Institutes, Sector 17, Near Fire Brigade Station, Outside Jundla Gate, Karnal 132001, Haryana* and former Dean, College of Basic Sciences & Humanities, CCS Haryana Agricultural University, Hisar; 1717, Sector 3, Urban Estate, Kurukshetra [Tel (0184) 227-0060/61 (O), 82-954-21000 (M); Fax 225-4670; Email randhirbiotech@yahoo.com]; **Medal:** KS Bilgrami Memorial (2001); **Council:** Mem 2008-09; **SC: X.**



**1992: SINGH, Rangil** (*b* 1935), PhD, Sp: Plant Biochemistry (Metabolism of Carbohydrates and their Bio-regulation during Growth and Development of Cereals, Legumes, Forages and other Commercial Crops); FNAAS, formerly Head of Biochemistry Department, College of Basic Sciences & Humanities, PAU, Ludhiana and Director Research, SKUAST, Jammu; *75/2, Trikuta Nagar, Jammu 180012* [Tel (0191) 247-7013 (R), 94-191-83562 (M)]; INSA Senior Scientist (1996-2000); **SC: X.**



**1991: SINGH, Rishi Narain** (*b* 1943), PhD, Sp: Geophysics, Geophysical, Environmental and Earth System Modelling; FASc, Visiting Professor (Earth Science), *Indian Institute of Technology Gandhinagar, Palaj, Gandhinagar 382355*; formerly Scientist-in-Charge, CMMACS, Bengaluru and Director, NEERI, Nagpur; HB 9-202, IIT Gandhinagar, Gandhinagar 382355 [Tel 93-463-52339 (M); Email rishiprema@gmail.com, rnsingh@iitgn.ac.in]; INSA Senior Scientist (2010-15); **Council:** Mem 2000-2002; **SC: IV.**



**1991: SINGH, Sarva Jit** (*b* 1939), PhD, Sp: Theoretical Seismology & Applied Mathematics; FASc, FNASc, Professor Emeritus, Department of Mathematics, Maharshi Dayanand University, Rohtak, Haryana; *22A, Navyug Adarsh Apartments, F Block, Vikaspuri, New Delhi 110018* [Tel (011) 2854-9222 (R), 93-122-50454 (M); Email s\_j\_singh@yahoo.com]; INSA Honorary Scientist (2009-15); **SC: I.**

**1996: SINGH, Sita Ram** (b 1942), PhD, Sp: Soil and Water Engineering, Irrigation and Drainage Engineering, Ground Water Modelling; FNAE, FNAAS, formerly Vice Chancellor, RAU, Pusa, Director, ICAR Research Complex for Eastern Region, Patna; Director, Water Technology Centre for Eastern Region, Bhubaneswar; Senior Research Engineer cum Head, Dept. of Soil & Water Engg, PAU Ludhiana; *House No 561, Sector 2, Udyan II, ELDECO Colony, Rae Bareilly Road, Lucknow 226025* [Tel 99-356-31990 (M); Email strmsingh@yahoo.com]; INSA Senior Scientist (2008-13), INSA Honorary Scientist (2013-15); **SC: X.**



**2019: SINGH, Sunil Kumar** (b 1971), PhD, Sp: Low Temperature Geochemistry, Earth Surface Processes and Biogeochemistry of Trace Elements and Isotopes in Ocean; FASc, FNASc, Director, *CSIR-National Institute of Oceanography, Dona Paula 403004, Goa*; Director Bunglow, CSIR-National Institute of Oceanography, Dona Paula 403004, Goa [Tel (0832) 245-0200/201 (O), 96-070-17855 (M); Fax 245-0602; Email sunil@nio.org]; **SC: IV.**



**2003: SINGH, Surendra Pratap** (b 1945), PhD, Sp: Ecology, Ecosystem Services, Himalayan Tree Lines and Climate Change; INSA Senior Scientist, formerly Professor and Head, Department of Botany, Kumaun University, Nainital and VC, HN Bahuguna Garhwal University, Srinagar; Advisor, Planning Commission, Uttarakhand State; Chair of Excellence in Ecology and Biodiversity, FRI, Dehradun; *New Vasant Vihar Enclave Lane, Opposite Poly Kids School, Dehradun 248006* [Tel 97-587-65300 (M); Email surps@yahoo.com, spsecology@gmail.com]; **Council:** Mem 2012-14; **SC: VI.**



**2001: SINGH, Tej Pal** (b 1944), PhD, DSc (*bc*), Sp: Structural Biology, X-ray Crystallography, Protein Structures, Peptide Design and Drug Discovery; FASc, FNASc, FTWAS, Honorary Distinguished Professor (life-long, UoM), SERB Distinguished Fellow, *Department of Biophysics, All India Institute of Medical Sciences, New Delhi 110029*; 163, City View Apartments, Plot 119, Sector 35, NOIDA 201301 [Tel (011) 2658-8931 (O), (0120) 454-5295 (R), 93-122-49508, 99-538-30047 (M); Email tpsingh.aiims@gmail.com]; **Medal:** Professor GN Ramachandran 60th Birthday Commemoration (2006); **Lecture:** JL Nehru Birth Centenary (2011); INSA Senior Scientist (2014-19); **Council:** VP 2007-09; Editor-in-Chief, *Proceeding of the Indian National Science Academy* (2011-13); **SC: VIII.**



**2011: SINGH, Vinod Kumar** (b 1959), PhD, Sp: Organic Chemistry; FASc, FNASc, FTWAS, Professor, *Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur 208016* [Tel (0512) 259-7291/7577 (O), 259-8429 (R), 99-811-44455 (M); Email vinodks@iitk.ac.in; Web <http://home.iitk.ac.in/~vinodks/>]; **Medal:** Professor Subramania Ranganathan Memorial (2018); **Council:** Mem 2014-16; **SC: III.**



**1975: SINGH, Virendra** (b 1938), PhD, Sp: Theoretical Physics, High Energy Physics, Foundation of Quantum Mechanics, History and Philosophy of Science; FASc, FNASc, FTWAS, formerly Professor of Eminence and Director, TIFR, Mumbai 400005; *51, New Cosmos, Jubu-Versova Link Road, Andheri (W), Mumbai 400053* [Tel (022) 2671-6681 (R); Email vsingh1937@gmail.com, vsingh@theory.tifr.res.in; Web <http://www.theory.tifr.res.in>]; **Professorship:** INSA-CV Raman Research Professor (2003-08); **SC: II.**





**2004: SINGH, Vishwakarma** (b 1951), PhD, Sp: Organic Chemistry; Former Professor, *Department of Chemistry, Indian Institute of Technology, Bombay, Mumbai*; Residential Address: C-7, Vrindavan States, Pashabhai Park, Race Course Road, Vadodara 390007 [Tel 99-209-20144 (M); Email vks@chem.iitb.ac.in]; **SC: III.**



**2009: SINGH, Yadvinder** (b 1951), PhD, Sp: Soil Science; FNAAS, *Department of Soil Science, Punjab Agricultural University, Ludhiana 141004*; formerly Head, Department of Soils, PAU, Ludhiana; 23, Professor Colony, Near Agar Nagar A, Ludhiana 141012 [Tel (0161) 240-1960 Ext 317 (O), 98-722-18185 (M), Fax 240-0945; Email yadvinder16@rediffmail.com]; **Medal:** Professor KS Bilgrami Memorial (2015); INSA Senior Scientist (2011-15), INSA Honorary Scientist (2016-19, 2020-22); **SC: X.**



**2006: SINGH, Yashwant** (b 1944), DPhil, Sp: Condensed Matter Theory, Theoretical Biology; FASc, FNASc, Distinguished Professor, *Department of Physics, Banaras Hindu University, Varanasi 221005*; N-8/236, R-54, Ganesh Dham Colony, Nevada, Varanasi 221005 [Tel (0542) 670-1562 (O), 94-159-91459 (M); Fax 236-8174, 236-9889; Email ysingh@bhu.ac.in, singh.yas44@gmail.com]; INSA Senior Scientist (2014-17, 2018-19); **Council:** Mem 2018-20; **SC: II.**



**2013: SINGH, Yogendra** (b 1957), PhD, Sp: Bacterial Pathogenesis, Bacterial Protein Toxins, Signal Transduction in Bacteria; FASc, FNASc, Professor, *Department of Zoology, University of Delhi, Delhi 110007*; BA-11, Shalimar Bagh (West), Delhi 110088 [Tel 98-710-95673 (M); Email ysinghdu@gmail.com]; **SC: IX.**



**2022: SINGHAL, Rekha Satishchandra** (b 1962), PhD, Sp: Food/Bioprocesses-Science and Technology; Professor of Food Technology, Food Engineering and Technology Department, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai 400019; G-13, Natraj Society, Panchpakhadi, Thane 400602 [Tel (022) 3361-2501 (O), 83-699-27491 (M); Email rs.singhal@ictmumbai.edu.in, rsinghal7@rediffmail.com]; **SC: X.**



**1989: SINGHI, Navin Kumar Madhavprasad** (b 1949), PhD, Sp: Discrete Mathematics & Computer Science; FASc, 1601 Montreal Tower, Shastri Nagar, Lokhandwala, Andheri (West), Mumbai 400053 [Tel 93-241-11460 (R); Email nikhnavin@gmail.com]; **Medal:** INSA Young Scientist (1977); **SC: I.**



**2000: SINGHVI, Ashok Kumar** (b 1950), PhD, Sp: Quaternary Climates and Geochronology, Radiation Effects and Dosimetry; FASc, FNASc, FTWAS, Vice-President, INQUA (2015-19); DST-SERB Year of Science Chair Professor, AMOPH Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380009; B-31, Shakti Enclave, Satya Marg, Bodakdev, Ahmedabad 380054 [Tel (079) 4029-9639 (R), 90-990-61962 (M); Email 2aksprl11@gmail.com]; **Medal:** Professor K Naha Memorial (2007), **Medal:** SK Mitra Memorial Lecture (2021); **Council:** Mem 2006-08, VP 2018-20; **SC: IV.**

**2020: SINGLA-PAREEK, Sneh Lata** (*b* 1969), PhD, Sp: Plant Stress Biology and Crop Biotechnology; FNASc, Group Leader & National Officer, *Plant Stress Biology, International Centre for Genetic Engineering and Biotechnology (ICGEB), Aruna Asaf Ali Marg, New Delhi 110067*; B-533, Paschimabad Multistorey, Jawaharlal Nehru University, New Delhi 110067 [Tel (011) 2674-1358 Ext 363 (O), 2674-1558 (R), 98-103-41386 (M); Email sneh@icgeb.res.in, snehpareek@gmail.com]; **SC: VII.**



**1978: SINHA, Akhouri Purnendu Bhusan** (*b* 1928), PhD, Sp: Solid State Chemistry; FASc, c/o *Morris Research Inc, 1918, Univ Avenue, Berkeley, CA 94704, USA*; **SC: III.**



**2019: SINHA, Alok Krishna** (*b* 1969), PhD, Sp: Plant Physiology and Molecular Biology; FNASc, Staff Scientist VII, *National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110067*; H-VB-D1-002, NIPGR Campus, Aruna Asaf Ali Marg, New Delhi 110067 [Tel (011) 2673-5188 (O), 98-684-74090 (M); Fax 2674-1658; Email alok@nipgr.ac.in, alokksinha@yahoo.com]; **SC: VII.**



**1989: SINHA, Bikash Chandra** (*b* 1945), PhD, DSc, Sp: Nuclear Physics, High Energy Physics, Quark Gluon Plasma, Early Universe Cosmology; FASc, FNASc, FTWAS, F.Inst. P (UK), formerly Homi Bhabha Professor, DAE, formerly Director, *Variable Energy Cyclotron Centre (VECC) & Saha Institute of Nuclear Physics (SINP), Department of Atomic Energy, Government of India, Sector-1, Block-AF, Bidhan Nagar, Kolkata 700064*; residing at 2/4 B Sarat Bose Road, Kolkata 700020 [Tel (033) 2337-0032, 2337-1230 (O), 2475-2206, 2475-9927 (R), 98-312-90838 (M); Fax 2337-0032; Email bikash@vecc.gov.in]; **Medal:** Meghnad Saha (2015); INSA Honorary Scientist (2015-19), INSA Senior Scientist (2015-); **Council:** Mem 2001-03, Ad Mem 2016; **SC: II.**



**1994: SINHA, Kalyan Bidhan** (*b* 1944), PhD, Sp: Spectral Theory & Non-Commutative Geometry & Stochastic Processes; FASc, FTWAS, INSA Senior Scientist, Honorary Professor, *Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur, Bengaluru 560064*; Distinguished Associate, IISc, Bengaluru; formerly Distinguished Scientist and Director, ISI; formerly Bhatnagar Fellow of CSIR and SERB-Distinguished Fellow [Tel (080) 2208-2997 (O), 99-001-44612 (M); Fax 2362-2762; Email kbs\_jaya@yahoo.co.in, kbs@jncasr.ac.in]; **Medal:** Srinivasa Ramanujan (2019); **Lecture:** Professor VV Narlikar Memorial (2009); **Council:** Mem 2003-05; **SC: I.**



**1979: SINHA, Krityunjai Prasad** (*b* 1929), PhD (Poona & Bristol), Sp: Theoretical Research on Various Phenomena and Condensed Matter Nuclear Science; FASc, FNASc, Emeritus Professor, Department of Physics, IISc, Bengaluru; formerly Senior Professor, Div of Physics & Mathematical Sc, IISc, Bengaluru & Director, Institute for Self-Organizing Complex Systems, Shillong; *D-105, Sterling Residency, Dollar Colony, RMV II Stage, Bengaluru 560094* [Tel (080) 2351-8553 (R); Email kritpsinha@gmail.com, kpsin03@yahoo.com]; INSA Senior Scientist (1990-93), INSA Honorary Scientist (2006-15); **SC: II.**





**2009: SINHA, Somdatta** (b 1951), PhD, Sp: Theoretical and Computational Biology, Complex Systems; FASc, FNASc, Professor of Biology, *Indian Institute of Science Education and Research (IISER) Mohali, Sector 81, Knowledge City, PO Manauli SAS Nagar, Mohali 140306* [Tel 89-687-44849 (M); Fax (0172) 224-0266, 224-0124; Email [ssinha@iisermohali.ac.in](mailto:ssinha@iisermohali.ac.in), [somdattasinha@gmail.com](mailto:somdattasinha@gmail.com)]; **SC: VIII.**



**2007: SINHA, Subrata** (b 1958), MD PhD, Sp: Molecular Medicine, Oncology (Glioma) and Immunology; FNASc, FASc, FAMS, Professor and Head, *Department of Biochemistry, All India Institute of Medical Sciences, New Delhi 110029; H1/3 Hauz Khas, New Delhi 110016* [Tel (011) 2659-4483 (O), 2696-6586 (R), 98-119-01376 (M); Fax 2658-8641; Email [sub\\_sinha@hotmail.com](mailto:sub_sinha@hotmail.com), [sub\\_sinha2004@yahoo.co.in](mailto:sub_sinha2004@yahoo.co.in)]; **Lecture:** Professor Vishwa Nath Memorial (2015); **Council:** VP 2020-; **SC: IX.**



**2015: SINHA, Sudeshna** (b 1962), PhD, Sp: Nonlinear Dynamics, Chaos and Complex Systems; FASc, FTWAS, Professor, *Indian Institute of Science Education and Research (IISER) Mohali, Knowledge City, Sector-81, SAS Nagar, Manauli P.O. 140306* [Telefax (0172) 224-0266 (O), 99-156-62755 (M); Email [sudeshna@iisermohali.ac.in](mailto:sudeshna@iisermohali.ac.in)]; **Council:** Mem 2022-; **SC: II.**



**1992: SINHA, Vishwa Raman Prasad** (b 1938), PhD, Sp: Fish Biology, Reproductive Physiology & Aquatic Productivity Management and Fisheries Research Management; FNASc, FNAAS, formerly Director and founder VC, CIFE, Mumbai, formerly Consultant to the World Bank & UN/FAO, presently President of Pillay Aquaculture Foundation (International), Pittsburgh, USA; *1895 Pioneer Drive, Sewickley, PA 15143, USA* [Tel (001) 412-596-3902; Email [vishwaraman@hotmail.com](mailto:vishwaraman@hotmail.com), [drvvrpsinha@yahoo.com](mailto:drvvrpsinha@yahoo.com); Web [www.drvvrpsinha.net](http://www.drvvrpsinha.net)]; **SC: X.**



**2013: SIVA RAM MURTHY, Chebiyyam** (b 1960), PhD, Sp: Computer Science (Parallel and Distributed Computing, Real-Time Systems, Computer Networks); FNASc, FNAE, FIEEE, FTWAS, Richard Karp Institute Chair Professor, *Department of Computer Science and Engineering, Indian Institute of Technology Madras, Chennai 600036; No. 263/33, Block 2, 3E, Ceebros Orchid, Velachery Main Road, Chennai 600042* [Tel (044) 2257-4361 (O), 4957-8725 (R), 94-444-98619 (M); Fax 2257-4352; Email [murthy@iitm.ac.in](mailto:murthy@iitm.ac.in)]; **Medal:** INSA Young Scientist (1991); **SC: V.**



**2020: SIVAN, Kailasavadivoo** (b 1957), PhD, DSc (bc), Sp: Aerospace Engineering, Space Transportation Systems Engineering; Secretary to GOI, *Department of Space & Chairman, ISRO, ISRO Headquarters, Antariksh Bhavan, New BEL Road, Bengaluru 560231; "VYOMA", 485/1, 80 Feet Road, R.T. Nagar, Bengaluru 560032* [Tel (080) 2341-5241, 2217-2333 (O), 2355-7725 (R); Fax 2351-8551; Email [chairman@isro.gov.in](mailto:chairman@isro.gov.in)]; **NC.**



**1998: SIVARAM, Swaminathan** (b 1946), PhD, DSc (bc, Purdue), Sp: Polymer Science; FASc, FNASc, FNAE, FTWAS, INSA Emeritus Scientist and Honorary Professor, *Indian Institute of Science Education and Research, Dr. Homi Bhabha Road, Pune 411008; Apt 10, Gulmohar Glory, 5, Gulmohar Park, ITI Road, Aundh, Pune 411007* [Tel (020) 2590-8434 (O), 4120-5731 (R), 98-607-99954 (M); Email [s.sivaram@iiserpune.ac.in](mailto:s.sivaram@iiserpune.ac.in), [sivaramswaminathan01@gmail.com](mailto:sivaramswaminathan01@gmail.com); Web <http://www.swaminathansivaram.in>]; **Medal:** Vishwakarma (2003); **Council:** VP 2004-06; **SC: V.**

**2012: SOBTI, Ranbir Chander** (b 1948), PhD, DSc, Sp: Cell Biology, Molecular Genetics Cytogenetics, Animals and Humans; FNASc, FNAAS, FAMS, FTWAS, INSA Senior Scientist, *Department of Biotechnology, Panjab University, Chandigarh 160014*; formerly Vice-Chancellor, Babasaheb Bhimrao Ambedkar University, Lucknow and Panjab University, Chandigarh; Past President, Indian Science Congress Association [Tel (0172) 266-0177 (R), 94-638-00523 (M); Email rcsobti@pu.ac.in]; **Medal:** INSA Young Scientist (1977); **Council:** Ad Mem 2014, 2015; **SC: VII.**



**1978: SODHA, Mahendra Singh** (b 1932), DPhil, Sp: Plasmas, Optics & Energy; FNASc, Visiting Professor in Physics and Education, Department of Education Building, Lucknow University, Lucknow 226007; formerly VC, Indore, Lucknow and Bhopal Universities; *B113, Nirala Nagar, Lucknow 226020* [Tel (0522) 278-8033 (R), 98-397-05081 (M); Email msodha@rediffmail.com]; **SC: II.**



**2009: SOMASUNDARAM, Kumaravel** (b 1962), PhD, Sp: Cancer Biology, Virology, Genetics; FASc, FNASc, FAMS Professor and Chair, *Department of Microbiology and Cell Biology, Indian Institute of Science, Bengaluru 560012* [Tel (080) 2360-7171 (O), 2293-2973 (Lab); Fax 2360-2697; Email skumar1@iisc.ac.in, ksomasundaram1@gmail.com]; **Medal:** Professor BS Trivedi Memorial (2017); **SC: IX.**



**2009: SONTI, Ramesh Venkata** (b 1960), PhD, Sp: Pathogen-plant Interactions; FASc, FNASc, FNAAS, former Director, *National Institute of Plant Genome Research, Aruna Asaf Ali Marg, P.O. Box No. 10531, New Delhi 110067* [Tel (011) 2674-2267, 2673-5169 (O), 2674-2263, 2673-5123 (R), 94-410-55295 (M); Fax 2674-1759; Email director@nipgr.ac.in, sonti@nipgr.ac.in, rameshvsonti@gmail.com]; **Council:** Mem 2018-20; **SC: X.**



**1996: SOOD, Ajay Kumar** (b 1951), PhD, Sp: Condensed Matter Physics; FASc, FNASc, FTWAS, FRS, Year of Science Professor, *Department of Physics, Indian Institute of Science, Bengaluru 560012*; B-805, Hoysala Samruddhi Apartments, 1st Main Road, Talacauvery Layout, Amruthahalli, Byatarayanapura, Bengaluru 560092 [Tel (080) 2360-2238, 2293-2964 (O); Fax 2360-2602; Email asood@iisc.ac.in, asood1951@gmail.com; Web <http://www.physics.iisc.ernet.in/~asood>]; **Medal:** HJ Bhabha (2002); **Lecture:** Professor KR Rao Memorial (2000); **Council:** VP 2008-10, Pres 2017-19; **SC: II.**



**1994: SOPORY, Sudhir Kumar** (b 1948), PhD, Sp: Molecular Plant Physiology; FASc, FNASc, FNAAS, FTWAS, SERB Distinguished Fellow and Senior Emeritus Scientist, International Centre for Genetic Engineering and Biotechnology, Aruna Asaf Ali Marg, New Delhi 110067; *House No 584, Sector 14, Faridabad 121007, Haryana* [Tel (0129) 414-3755 (R), 98-114-31741 (M); Email sopory@hotmail.com]; **Lecture:** Professor Panchanan Maheshwari Memorial (2000), SK Mitra Memorial (2012), JL Nehru Birth Centenary (2014); **Council:** VP 2004-06; **SC: VII.**



**2011: SOWDHAMINI, Ramanathan** (b 1964), PhD, Sp: Structural Bioinformatics, Protein Sequence Analysis, Genome Analysis, Function Prediction; FASc, Associate Professor, *National Centre for Biological Sciences, Tata Institute of Fundamental Research, Bengaluru 560065*; C3, Mallige Apartments, National Centre for Biological Sciences, TIFR, UAS-GKVK Campus, Bellary Road, Bengaluru 560065 [Tel (080) 2366-6001, 2366-6250 (O), 2366-6473 (R); Email mini@ncbs.res.in; Web <http://caps.ncbs.res.in>]; **SC: VIII.**





**1992: SRIDHARAN, Asuri** (*b* 1937), PhD (Purdue), DSc (IISc), Sp: Engineering, Properties of Clays; FASc, FNAE, Distinguished Alumni of Purdue University and Indian Institute of Science, Professor Emeritus, Department of Civil Engg., Indian Institute of Science, Bengaluru 560012; formerly Dy Director & Advisor, IISc; “Saptagiri” No. 40, West Park Road, between 13th & 14th Cross, Malleswaram, Bengaluru 560003 [Tel (080) 2334-1046 (R), 98-458-06379 (M); Email sridharanasuri@yahoo.com, sridharanasuri1937@gmail.com]; **Medal:** PC Mahalanobis (2005); INSA Senior Scientist (2003-07), INSA Honorary Scientist (2009-15); **Council:** Mem 2009-11; **SC:** V.



**1980: SRIDHARAN, Ramaiyengar** (*b* 1935), PhD, Sp: Algebra; FASc, Adjunct Professor, *Chennai Mathematical Institute, H1, Sipoot IT Park, Siruseri, Kelambakkam 603103* [Email rsridhar@cmi.ac.in]; INSA Senior Scientist (2003-05); **Council:** Mem 1990-92; **SC:** I.



**1994: SRIMAL, Rikhab Chand** (*b* 1937), MD, Sp: Pharmacology, Natural Products & Toxicology; FNASc, FAMS, formerly Director, IITR, Lucknow; *B-4, Sarita Vihar, New Delhi 110076* [Tel (011) 4140-2719 (R), 98-991-93701 (M); Email rcsrimal@yahoo.com, rcsrimal@hotmail.com]; **SC:** IX.



**2009: SRINIVAS, Vasudevan** (*b* 1958), PhD, Sp: Algebra, Algebraic Geometry; FASc, FNASc, FTWAS, Distinguished Professor, *School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400005*; 601 Satyendra, TIFR Colony, Homi Bhabha Road, Mumbai 400005 [Tel (022) 2278-2217 (O), 2280-4966 (R); Fax 2280-4610/11; Email srinivas@math.tifr.res.in]; **Medal:** INSA Young Scientist (1987); **SC:** I.



**1999: SRINIVASAN, Jayaraman** (*b* 1947), PhD, Sp: Climate Science; FASc, FNAE, Distinguished Scientist, Divecha Centre for Climate Change, *Indian Institute of Science, Bengaluru 560012*; 004, Chandrika Apartments, 64, East Park Road, Malleswaram, Bengaluru 560003 [Tel (080) 2293-3068 (O), 2331-4998 (R); Fax 2360-0865; Email jayes@iisc.ac.in]; **SC:** IV.



**1995: SRINIVASAN, Mandayam Chakravarti** (*b* 1935), PhD, Sp: Mycology, Industrial Microbiology & Enzyme Technology; formerly Emeritus Scientist, Biochemical Sciences Division, NCL, Pune; *Row House No. 17, “Planet Millennium”, Pimple Saudagar, Pune 411027* [Tel 98-231-42469 (M); Email mcsaroja@gmail.com, srinivasanmc@gmail.com]; **SC:** VII.



**1996: SRINIVASAN, Ramaswamiah** (*b* 1943), PhD, Sp: Precambrian Geology, Sedimentation & Structure; FASc, FNASc, Visiting Professor, Divecha Centre for Climate Change, Indian Institute of Science, Bengaluru 560012; formerly Scientist F, NGRI, Hyderabad; *No. 114, Kshibhija Ramanashree Nagar, Bannerghatta Road Post, Bengaluru 560076* [Tel 96-323-19090 (M); Email srinimalu@gmail.com]; INSA Senior Scientist (2013-16); **SC:** IV.

**2022: SRIRAM, Mayasandra Subrahmanya** (b 1950), PhD, Sp: History of Indian Astronomy & Mathematics; President, Prof. K. V. Sarma Research Foundation, Chennai; B 27 (Chola), 7 D, Delhi Avenue, IIT Madras, Chennai 600036 [Tel (044) 2445-2508 (O), 2257-6869 (R), 98-845-62353 (M); Email sriram.physics@gmail.com], **SC: NC**.



**1987: SRIVASTAVA, Chandra Mani** (b 1932), PhD, DIC (Lond), Sp: Ferro-magnetic Relaxation & Superconductivity; FNASc, Professor Emeritus, Department of Physics, Indian Institute of Technology Bombay, Powai, Mumbai 400076; formerly Professor of Physics & Head, Advanced Ctr for Research in Electronics & Materials Science, IIT, Mumbai; 604, Prerana, Opposite IIT Main Gate, Powai, Mumbai 400076 [Tel (022) 2572-2545, 2572-6530 (O), 2578-7127 (R); Email srivascm@iitb.ac.in]; **SC: II**.



**2012: SRIVASTAVA, Deepak Chandra** (b 1956), PhD, Sp: Structural Geology, Precambrian Geology and Fluid-inclusions; FASc, FNASc, JC Bose National Fellow, Professor, Department of Earth Sciences, Indian Institute of Technology, Roorkee 247667; 205/4, Saraswati Kunj, IIT, Roorkee 247667 [Tel (01332) 285-558 (O), 285-112 (R), 94-563-81281 (M); Fax 285-638; Email dpkesfes@iit.ac.in, dpkesfes@gmail.com]; **SC: IV**.



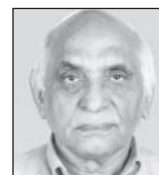
**2016: SRIVASTAVA, Dinesh Kumar** (b 1952), PhD, Sp: Theoretical Nuclear Physics; FNASc, Homi Bhabha Chair Professor, National Institute of Advanced Studies, Indian Institute of Advanced Studies Campus, Bengaluru 560012; Honorary Professor, Amity University Noida; Former Emeritus Professor, Homi Bhabha National Institute (Deemed University), Mumbai; formerly DAE Raja Ramanna Fellow, formerly Director & Distinguished Scientist, Variable Energy Cyclotron Centre, Kolkata; 3A Atria, Tata Aquila Heights, HMT Estate, Jalahalli, Bengaluru, 560013 [Tel (080) 2218-5105 (O), 98-361-76868 (M); Email dinesh.srivastava@nias.res.in, srivastava.dinesh.kumar@gmail.com]; **SC: II**.



**2021: SRIVASTAVA, MV Padma** (b 1965), MD, DM, Sp: Medicine (Neurology); FRCP (Edin), FAMS, FNASc, FIAN, Professor and Head, Department of Neurology, Chief, Neurosciences Center, AIIMS, New Delhi 110029; Hon. Professor, UCLAN, UK; C1/9 AIIMS, Campus [Tel (011) 26594794, 98-683-98261 (M); Fax 26588022; Email vansanthapadma123@gmail.com]; **SC: IX**.



**1987: SUBBA RAO, Ganugapati Sree Rama** (b 1937), PhD (Manchester), DSc (Andhra), Sp: Organic Chemistry; FASc, Department of Organic Chemistry, Indian Institute of Science, Bengaluru 560012; 1A, Pradban Apartments, 16/5, 18th Cross Malleswaram, Bengaluru 560055 [Tel (080) 2293-2403 (O), 2346-6430 (R), 98-863-10603 (M); Fax 2360-0529; Email gsr@s@iisc.ac.in, gsr@srao@gmail.com]; **Medal:** Professor TR Seshadri 70th Birthday Commemoration (1997), Golden Jubilee Commemoration (Chem Sc) (2004); INSA Senior Scientist (2003-07), INSA Honorary Scientist (2010-15); **Council:** Mem 2001-03; **SC: III**.



**1983: SUBBA RAO, Nanjappa Shamanna** (b 1926), PhD, Sp: Soil Microbiology & Biofertilizers; FNAAS, formerly Project Director, IARI, New Delhi; Apt 201, Block I, Jain Prakriti Apts, 63, Kanakapura Main Road, 7th Block, Jayanagar, Bengaluru 560070 [Tel (080) 2693-2702 (R)]; INSA Senior Scientist (1997-99); **SC: X**.





**1995: SUBBA RAO, Pillarisetti V** (*b* 1937), PhD, Sp: Biochemistry, Immunology, Biotechnology; formerly President Research, Bigtec Private Limited, Bengaluru; *890 N California Ave, Palo Alto, CA-94303* [Tel (+1) (650) 289-8722 (R); Email [pvsrao@gmail.com](mailto:pvsrao@gmail.com)]; **SC: VIII.**



**1978: SUBBARAO, Eleswarapu Chinna** (*b* 1928), MS, PhD, Sp: Materials Science, R&D Management; FASc, FNAE, *Daamini, 6 Pallod Farms, Baner Road, Pune 411045* [Email [ecsubbarao@gmail.com](mailto:ecsubbarao@gmail.com)]; **Lecture:** INSA Prize for Materials Science (1995); **Council:** Mem 1982-84; **SC: V.**



**1995: SUBBARAO, Sarala Karumuri** (*b* 1943), PhD, Sp: Insect Genetics, Cyto and Molecular genetics, Molecular Epidemiology, Transmission Dynamics and Control of Vector-borne Diseases with Special Interest in Malaria, Dengue, Chikungunya and Zika; FNASc, formerly Director, National Institute of Malaria Research – Indian Council of Medical Research, New Delhi; formerly Consultant, Vector Borne Diseases Science Forum, Epidemiology and Communicable Diseases Division, Indian Council of Medical Research, New Delhi; *Apt. 704, Block 13, East End Apartments, Mayur Vihar Phase 1 Extension, Delhi 110096* [Tel (011) 4309-4675 (R), 98-106-05455 (M); Email [subbaraosk@gmail.com](mailto:subbaraosk@gmail.com)]; **SC: IX.**



**2020: SUBRAMANIAN, Kandaswamy** (*b* 1957), PhD, Sp: Astronomy and Astrophysics; FASc, Distinguished Professor & Dean, Visitor Academic Programmes, *Inter University Centre for Astronomy & Astrophysics (IUCAA), Post Bag 4, Ganeshkhind, Pune 411007*; 10, Akashganga, IUCAA, Ganeshkhind, Pune 411007 [Tel (020) 2560-4101 (O), 2560-4410 (R), 80-073-24440 (M); Fax 2560-4699; Email [kandu@iucaa.in](mailto:kandu@iucaa.in)]; **SC: II.**



**1990: SUBRAMANIAN, Sankaran** (*b* 1942), PhD (Leicester), Sp: NMR, EPR, Theoretical Chemistry, Magnetic Resonance Imaging; FASc, Fellow of the International EPR Society, Fellow of the International Society of Magnetic Resonance, ISMAR, Adjunct Professor, *Department of Chemistry, Indian Institute of Technology Madras, Chennai 600036* [Tel (044) 2257-4240 (O), 2243-0942 (R), 95-001-12796 (M); Email [subkannan@gmail.com](mailto:subkannan@gmail.com), [subkannan@iitm.ac.in](mailto:subkannan@iitm.ac.in)]; INSA Senior Scientist (2016-19); **SC: III.**



**1995: SUBRAMONIAM, Thanumalayaperumal** (*b* 1941), PhD, DSc, Sp: Invertebrate Reproductive Biology & Cryobiology; FAAS, FNASc, Senior Scientist, *Centre for Climate Change Studies, Sathyabama Institute of Science and Technology, Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai 600119*; 3/552, 3rd Cross Street, LP Nagar, Kottiwakkam, Chennai 600041 [Tel (044) 2450-3150-3155 (O), 2451-0560 (R); Fax 2450-2344; Email [tsbl71@hotmail.com](mailto:tsbl71@hotmail.com)]; **Medal:** Chandrakala Hora Memorial (2002); **Lecture:** Professor Har Swarup Memorial (2008); **SC: VI.**



**1968: SUKH DEV** (*b* 1923), PhD, DSc, DSc (*bc*), Sp: Organic Chemistry, Natural Products, Drug Discovery, Technology Development; FASc, FTWAS, *120, ISCON Mega City, Bhavnagar 364001, Gujarat* [Tel (0278) 649-9072 (R); Email [sdlala1924@gmail.com](mailto:sdlala1924@gmail.com)]; **Professorship:** INSA-SN Bose Research Professor (1988-93); **Medal:** Vishwakarma (1979), Professor TR Seshadri 70th Birthday Commemoration (1982), Meghnad Saha (1987); **Council:** Mem 1986-88; **SC: III.**

**1995: SUKHATME, Suhas Pandurang** (*b* 1938), SM, ScD, Sp: Heat Transfer & Energy; FASc, FNAE, Professor Emeritus, Mech Engg Department, Indian Institute of Technology Bombay, Powai, Mumbai 400076; *Flat 2A/8C Anjaneya Coop. Housing Society Ltd., Orchard Avenue, Opp Hiranandani School, Powai, Mumbai 400076* [Tel (022) 2570-1052 (R); Email [spsitb@yahoo.co.uk](mailto:spsitb@yahoo.co.uk)]; **Lecture:** DS Kothari Memorial (2005); **Council:** Mem 1998-2000; **SC: V.**



**2005: SUKUMAR, Raman** (*b* 1955), PhD, Sp: Ecology; FASc, FTWAS, Professor, *Centre for Ecological Sciences, TE-13, 3rd Floor, Biological Sciences Building, Indian Institute of Sciences, Bengaluru 560012*; FF-101, RP Orchards, 2nd Cross, KEB Layout, Sanjaynagar, Bengaluru 560094 [Tel (080) 2360-0382 (O), 4091-4760 (R); Fax 2360-2280; Email [rsuku@iisc.ac.in](mailto:rsuku@iisc.ac.in)]; **Medal:** Golden Jubilee Commemoration (Animal Sc) (2021); **SC: VI.**



**2013: SUNDAR, CS** (*b* 1952), PhD, Sp: Materials Science and Condensed Matter Physics, Positron Annihilation Spectroscopy; FASc, FNASc, JC Bose National Fellow, *Material Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam 603102*; 1, 2nd Avenue, DAE-Township, Kalpakkam 603102 [Tel (044) 2748-0069 (O), 2748-1192 (R), 97-905-22807 (M); Fax 2748-0081; Email [css@igcar.gov.in](mailto:css@igcar.gov.in), [sundarcss@gmail.com](mailto:sundarcss@gmail.com)]; **SC: II.**



**2006: SUNDAR, Shyam** (*b* 1953), MD, Sp: Medicine, Infectious Diseases, Visceral Leishmaniasis, HIV Medicine; FASc, FNASc, FAMS, FRCP, FTWAS, Professor of Medicine, Institute of Medical Sciences, Banaras Hindu University, Varanasi 221005; *6, SK Gupta Nagar, Lanka, Varanasi 221005* [Tel (0542) 236-7795 (R); Fax 236-7568; Email [drshyamsundar@hotmail.com](mailto:drshyamsundar@hotmail.com), [drshyamsundar@bhu.ac.in](mailto:drshyamsundar@bhu.ac.in)]; **Council:** Mem 2012-14; **SC: IX.**



**1996: SUNDARARAJAN, G** (*b* 1953), PhD, Sp: Surface Engineering & Deformation Behaviour; FASc, FNASc, FNAE, Professor, *Department of Metallurgical and Materials Engg, IIT Madras, Chennai 600036*; Flat No. 401, Lokeshwari Residency, 1-4-94, Snehanagar Colony, Street No 8, Habsiguda, Hyderabad 500007 [Tel (044) 2257-4759 (O); Fax 2257-4752; Email [gsundararajan@iitm.ac.in](mailto:gsundararajan@iitm.ac.in), [gsundar@arci.res.in](mailto:gsundar@arci.res.in)]; **Medal:** INSA Young Scientist (1985); **Lecture:** INSA Prize for Materials Science (2007); **Council:** Mem 2012-14; **SC: V.**



**2004: SUNDER, Viakalathur Shankar** (*b* 1952), PhD, Sp: Subfactors, Operator Algebras, Functional Analysis; FASc, FNASc, formerly Professor, *The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600113*; E1, Block III, Shivani Apts, 40 East Coast Road, Thiruvanimiyur, Chennai 600041 [Tel (044) 2254-3210 (O), 2451-6082 (R); Fax 2254-1586; Email [sunder@imsc.res.in](mailto:sunder@imsc.res.in)]; **SC: I.**



**2010: SURAPPA, Mirle K** (*b* 1951), PhD, Sp: Material Processing, Solidification Processing of Metal Matrix Composites, Tribology of MMCs; FNAE, Professor, *Department of Materials Engineering, Indian Institute of Science, Bengaluru 560012* [Tel (080) 2293-2697 (O), 94-781-00300 (M); Email [mirle@iisc.ac.in](mailto:mirle@iisc.ac.in)]; **SC: V.**





**2018: SURESH, Byrana Nagappa** (*b* 1943), PhD Sp: Controls Systems, Actuation Systems, Simulation, Launch Vehicle, Design, System Engineering, Mission Planning and R & D Management; FNAE, FNA, FASI, FAeSI, MIAA (Paris), FSSI, Chancellor, Indian Institute of Space Science and Technology, Thiruvananthapuram; Honorary Distinguished Professor, ISRO HQ, Department of Space, Antriksh Bhavan, New BEL Road, Bengaluru 560231; A-810, Mayflower, Brigade Millennium, JP Nagar, 7<sup>th</sup> Phase, Bengaluru 560078 [Tel (080) 2341-7294, 2217-2405 (O), 2696-2611 (R), 94-835-02002, 99-000-38502 (M); Fax 2341-5409; Email byranasuresh@gmail.com]; **NC**.



**2010: SURESH, Kattera Appanna** (*b* 1948), PhD, Sp: Soft Condensed Matter (Physics of Liquid Crystals and Surface Science); FNASc, formerly Director, Centre for Nano and Soft Matter Sciences (CeNS), Bengaluru; No. 92, 4 Main Road, *Amarajyothi Layout, Cholanganar, RT Nagar Post, Bengaluru 560032* [Tel 99-724-26358 (M); Email skattera@yahoo.com, skattera@gmail.com]; **SC: II**.



**2012: SURESH, Venapally** (*b* 1966), PhD, Sp: Algebra and Algebraic Geometry; FASc, Professor, *Department of Mathematics & Statistics, University of Hyderabad 500046*; 5-5-1025/102, Mallikarjuna Nagar North, LB Nagar, Hyderabad 500068 [Tel (040) 2301-1469 (O), 93-910-13585 (M); Fax 2301-1469; Email suresh.venapally@gmail.com]; **Medal**: INSA Young Scientist (1997); **SC: I**.



**1990: SUROLIA, Avadhesh** (*b* 1947), PhD, Sp: Protein Folding, Function & Design, Tuberculosis; FASc, FNASc, FTWAS, SERB Distinguished Fellow, Honorary Professor, *Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560012*; formerly Director, NII, New Delhi [Tel (080) 2293-2714, 2360-2763; Fax 2360-0535; Email surolia@iisc.ac.in]; **Medal**: INSA Young Scientist (1976), Professor GN Ramachandran 60th Birthday Commemoration (2000); **Lecture**: JLNehru Birth Centenary (2008); **SC: VIII**.



**1963: SWAMINATHAN, Monkombu Sambasivan** (*b* 1925), PhD (Cantab), DSc (*hc*), Sp: Genetics & Agriculture; FASc, FRS, Foreign Fellow Russian Acad, Foreign Assoc US NAS, FTWAS, former MP (Rajya Sabha), UNESCO Professor in Ecotechnology and Founder Chairman, *MS Swaminathan Research Foundation, 3rd Cross Street, Taramani, Chennai 600113*; “Dharini”, #21, Rathna Nagar, Teynampet, Chennai 600018 [Tel (044) 2254-2790, 2254-1229, 2254-1698 (O), 2434-5312 (R); Fax 2254-1319; Email swami@mssrf.res.in]; **Medals**: Silver Jubilee Commemoration (1973), Meghnad Saha (1981); **Lecture**: Blackett Memorial (1982); **Council**: Mem 1967-Aug 68, Sec 1969-72, Ad Mem 1976; **SC: X**.



**2017: SWAMINATHAN, Soumya** (*b* 1959), MBBS, MD, Sp: Clinical Medical Sciences; FASc, FNASc, FAMS, Deputy Director-General (Programs), *World Health Organisation, 20, Avenue Appia, 1211, Geneva, Switzerland* [Email soumya.s@nic.in, doctorsoumya@yahoo.com]; **SC: IX**.

**2003: SWARUP, Ghanshyam** (*b* 1953), PhD, Sp: Molecular and Cell Biology, Molecular Basis of Disease, Cell Signalling, Membrane Vesicle Trafficking; FASc, JC Bose National Fellow, *CSIR-Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500007*; Flat No. 303, Eashanya Residency, Sai Enclave, Habshiguda, Hyderabad 500007 [Tel (040) 2719-2616, 2716-0222 Ext 2616 (O), 99-891- 33201 (M); Fax 2716-0311; Email gshyam@ccmb.res.in; Web <http://www.ccmb.res.in>]; INSA Senior Scientist (2016-18); **SC: VIII.**



**2018: TAHSEEN, Qudsia** (*b* 1964), PhD, Sp: Taxonomy and Biology of Fresh water and Soil-Inhabiting Nematodes; FASc, FNASc, Professor, *Department of Zoology, Aligarh Muslim University, Aligarh 202002*; 4/153N, Shibli Bagh, Hamdard Nagar, Jamalpur, Aligarh 202002 [Tel (0571) 270-0920-23 Ext 3440 (O), 74-174-81607 (M); Email qtahseen@yahoo.com, qtahseen@gmail.com]; **Medal:** INSA Young Scientist (1995); **SC: VI.**



**1989: TAKKAR, Pran Nath** (*b* 1940), PhD, Sp: Agriculture, Soil Chemistry, Fertility and Plant Nutrition, Micronutrients; FNAAS, INSA Emeritus Scientist, formerly Director, ICAR-IISS and Project Coordinator ICAR-AICRP on Micronutrients ICAR-IISS, Bhopal; *H-1/114, First Floor, Lajpat Nagar I, New Delhi 110024* [Tel 99-539-03254, 84-477-99716 (M); Email pntakkar@gmail.com]; INSA Honorary Scientist (2010-15); **SC: X.**



**1971: TALWAR, Gursaran Parshad** (*b* 1926), Docteur es Sciences (Sorbonne Univ, Paris), DSc (*hc*), DSc (*bc*), Sp: Biomedical Research; FASc, FNASc, FAMS, FRCOG (ae London), Fellow World Academy of Art and Science, Mem, Academia Nacional de Medicina, Mexico, Director Research, Talwar Research Foundation; formerly Professor of Eminence, ICGEB; founder Director, NII and Head, Biochemistry, AIIMS, New Delhi; *E-6-8, Neh Valley, Neh Sarai, New Delhi 110068* [Tel 88-003-22055 (M); Email gptalwar@gmail.com]; **Medal:** SL Hora (1978), Golden Jubilee Commemoration (Biol Sc) (2007); **SC: IX.**



**2005: TALWAR, Kewal Krishan** (*b* 1946), MBBS, MD, DM, DSc (*bc*) Sp: Cardiology; FAMS, FACC, FIACS (Canada), Advisor, Government of Punjab, Health and Medical Education; Academic Director, Holy Family Hospital, New Delhi; Former Chairman, Department of Cardiology, Max Healthcare Institute, Saket, New Delhi; formerly Director, PGIMER, Chandigarh and Professor & Head of Cardiology, AIIMS, New Delhi; President, NAMS (India), New Delhi; Chairman, Board of Governors, Medical Council of India, Dwarka, New Delhi; *C-625, Second Floor, New Friends Colony, New Delhi 110065* [Tel 88-002-32211 (M); Email kktalwar@hotmail.com]; **Medal:** Aryabhata (2012); **SC: IX.**



**1979: TANDON, Prakash Narain** (*b* 1928), MS, FRCS, DSc (*bc*), Sp: Neurosurgery; FASc, FNASc, FTWAS, FAMS, FRSM, Mem, Norsk Videnscap Acad; Former President, National Brain Research Centre Society, Beside NSG Campus, Nainwal Mode, Manesar 122050; Professor Emeritus, Department of Neurosurgery, AIIMS, New Delhi 110029; *1, Jagriti Enclave, Vikas Marg Ext, Delhi 110092* [Tel (0124) 233-8929 (O), (011) 4254-4532, 2215-0578 (R); Email tandon@nbrc.ac.in]; **Medal:** Shri Dhanwantari Prize (1986), CV Raman (1997), INSA Medal for Promotion & Service to Science (2011); **Council:** Sec 1981-84, VP 1989-90, Pres 1991-92; **SC: IX.**





**1999: TANDON, Sampat Kumar** (b 1945), PhD, Sp: Physical Stratigraphy, Quaternary Geology, Fluvial Sedimentology and River Science; FASc, FNASc, FTWAS, Adjunct Professor, Department of Earth and Environmental Sciences, IISER, Bhopal; formerly DN Wadia Chair Professor, Department of Earth Sciences, IIT, Kanpur; Department of Geology and Pro-Vice Chancellor, University of Delhi; *Block A, House 566C, Sushant Lok, Phase 1, Gurugram 122009* [Tel 98-104-37365 (M); Fax 669-2392; Email [sktand@rediffmail.com](mailto:sktand@rediffmail.com), [sktand@iiserb.ac.in](mailto:sktand@iiserb.ac.in)]; **Medal:** INSA Young Scientist (1974); **SC: IV.**



**1990: TEWARI, Hrishi Bhu** (b 1930), DPhil, PhD (Emory, USA), DSc, Sp: Cell Biology, Histochemistry & Neurochemistry; FNASc, formerly Senior Professor & Head, Department of Zoology & Dean, Sukhadia University, Udaipur; *HIG, 4/477, Hsg Board Colony, Goverdhan Villas, Udaipur 313001* [Tel (0294) 264-0872, 320-1423 (R), 93-514-12109 (M)]; **SC: VII.**



**2016: THANGARAJ, Kumarasamy** (b 1963), PhD, Sp: Population Genetics and Evolutionary Biology, Clinical and Medical Genetics, Ancient DNA and Forensic Genetics; FNASc, FASc, Chief Scientist & JC Bose National Fellow, *CSIR-Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500007*; Director, *Centre for DNA Fingerprinting and Diagnostics, Hyderabad 500039*; 102, Surya Residency, Road No. 3, Snehapuri Colony, Nacharam, Hyderabad 500076 [Tel (040) 2719-2634, 2721-6003 (O), 99-082-13822 (M); Fax 2796-0591, 2721-6006; Email [thangs@ccmb.res.in](mailto:thangs@ccmb.res.in), [thangs@cdfd.org.in](mailto:thangs@cdfd.org.in)]; **SC: IX.**



**2007: THANGAVELU, Sundaram** (b 1957), PhD, Sp: Harmonic Analysis; FASc, Professor, *Department of Mathematics, Indian Institute of Science, Bengaluru 560012*; NE 316, IISc, Bengaluru 560012 [Tel (080) 2293-3206 (O), 2360-1132 (R); Fax 2360-0146; Email [veluma@iisc.ac.in](mailto:veluma@iisc.ac.in), [amulev@gmail.com](mailto:amulev@gmail.com)]; **Lecture:** Professor VV Narlikar Memorial (2018); **Council:** Mem 2012-14; **SC: I.**



**2009: THELMA, Bittianda Kuttapa** (b 1955), PhD, Sp: Cytogenetics, Human Genetics and Medical Genomics; FASc, FNASc, Professor and JC Bose National Fellow, *Department of Genetics, University of Delhi, South Campus, Benito Juarez Road, New Delhi 110021*; Type VA, Teachers Flats, University of Delhi, South Campus, New Delhi 110021 [Tel (011) 2411-8201, 2411-7399 (O), 2411-3548 (R); Fax 2411-2761; Email [thelmabk@gmail.com](mailto:thelmabk@gmail.com)]; **Medal:** SL Hora (2014); **Council:** Mem 2016-18; **SC: IX.**



**2022: TIWARI, Virendra Mani** (b 1968), PhD, Sp: Geophysics: (Gravimetry, Geodynamics and Hydrology); FASc, FNASc, FTAS, Director, *CSIR- National Geophysical Research Institute, Uppal Road, Hyderabad 500007*; Director's Bungalow, CSIR-NGRI Colony, Uppal Road, Hyderabad 500007 [Tel (040) 2343-4640 (O), 2701-2555 (R), 94-403-28269 (M), Fax 2717-1564; Email [virendra.m.tiwari@gmail.com](mailto:virendra.m.tiwari@gmail.com)]; **Medal:** INSA Young Scientist (2000); **SC: IV.**



**2018: TOLE, Shubha** (b 1967), PhD, Sp: Neuroscience; FASc, FNASc, Professor, *Department of Biological Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400005*; 210, Bhaskara, TIFR Complex, Homi Bhabha Road, Colaba, Mumbai 400005 [Tel (022) 2278-2878 (O), 2278-2678 (Lab); Fax 2280-4610; Email [shubhatole@gmail.com](mailto:shubhatole@gmail.com); Web <http://www.tifr.res.in/~dbs/faculty/stolelab/Home.html>]; **SC: IX.**

**2015: TRIPATHI, Anil Kumar** (b 1959), PhD, Sp: Molecular Microbiology (Agricultural & Environmental); FASc, FNASc, FNAAS, JC Bose National Fellow, Director, *Institute of Science* & Professor, School of Biotechnology, Banaras Hindu University, Varanasi 221005; PG Block 1, Aurobindo Colony, Banaras Hindu University 221005 [Tel (0542) 236-9670 (O), 236-7790 (R), 94-515-25811 (M); Email [directoris@bhu.ac.in](mailto:directoris@bhu.ac.in), [tripathianil@rediffmail.com](mailto:tripathianil@rediffmail.com)]; **Lecture:** Professor BD Tilak (2017); **SC: VII.**



**2015: TRIPATHI, Pradeep Kumar** (b 1957), PhD, Sp: Synthetic Organic Chemistry; FNASc, INSA Senior Scientist, formerly Chief Scientist & Head, *Division of Organic Chemistry, CSIR-National Chemical Laboratory, Pune 411008*; Mont Vert-1, B-17, Pashan Sus Road, Pune 411021 [Tel (020) 2590-2050 (O), 94-210-78425 (M); Fax 2590-2629; Email [pk.tripathi@ncl.res.in](mailto:pk.tripathi@ncl.res.in)]; **SC: III.**



**2021: TRIPATHI, Sachchida Nand** (b 1971), PhD, Sp: Atmospheric Sciences, Planetary Atmospheres, Aerosol and Cloud, Air Quality; FNASc, FNAE, JC Bose National Fellow, Arjun Dev Joneja Faculty Chair Professor, *Department of Civil Engineering, Indian Institute of Technology Kanpur, Kanpur 208016*; House No. 628, Type VI, Indian Institute of Technology Kanpur, Kanpur 208016 [Tel (0512) 259-7845 (O), 259-8806 (R), 94-150-50540 (M); Fax 259-7395; Email [snt@iitk.ac.in](mailto:snt@iitk.ac.in), [sachchida.tripathi@gmail.com](mailto:sachchida.tripathi@gmail.com)]; **SC: IV.**



**2005: TRIPATHY, Baishnab Charan** (b 1952), PhD, Sp: Plant Physiology, Plant Biotechnology, FNASc, FNAAS, Professor and Dean, *School of Life Sciences, Jawaharlal Nehru University, New Delhi 110067*; formerly Vice-Chancellor, Ravenshaw University, Cuttack, Odisha [Tel (011) 2670-4524 (O), 2674-2484 (R), 98-181-04924, 78-944-00787 (M); Email [bctripathy@mail.jnu.ac.in](mailto:bctripathy@mail.jnu.ac.in), [baishnabtripathy@yahoo.com](mailto:baishnabtripathy@yahoo.com); Web <http://www.jnu.ac.in>]; **SC: VII.**



**2020: TRIVEDI, Prabodh Kumar** (b 1969), PhD, Sp: Plant Molecular Biology and Biotechnology; FNASc, FNAAS, Senior Principal Scientist, *Molecular Biology and Biotechnology Division, CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow 226001*; 14-02-C, Metrocity Apartments, Papermill Colony, Nishatganj, Lucknow 226007 [Tel (0522) 229-7958 (O), 430-2049 (R), 94-504-50521 (M); Fax 220-5836/39; Email [prabodht@hotmail.com](mailto:prabodht@hotmail.com), [prabodht@nbri.res.in](mailto:prabodht@nbri.res.in)]; **SC: X.**

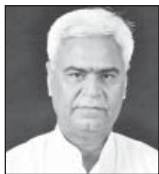


**2012: TRIVEDI, Sandip Parimal** (b 1963), PhD, Sp: String Theory and Particle Physics and Cosmology; FASc, Director and Distinguished Professor, *Tata Institute of Fundamental Research, Dr Homi Bhabha Road, Mumbai 400005*; 1010, Bhaskara, TIFR Housing Complex, Dr Homi Bhabha Road, Mumbai 400005 [Tel (022) 2278-2306, 2278-2424 (O), 98-921-05000, 98-672-22878 (M); Fax 2280-4610; Email [trivedi.sp@gmail.com](mailto:trivedi.sp@gmail.com), [director@tifr.res.in](mailto:director@tifr.res.in)]; **Council:** Mem 2016-18; **SC: II.**



**2002: TULI, Rakesh** (b 1953), PhD, Sp: Biochemistry & Molecular Genetics of Agriculturally & Medicinally Important Plants, Genomic Diversity in Plants for Precision Breeding, Food and Nutrition Biotechnology; FASc, FNASc, FNAAS, JC Bose National Fellow & Senior Research Advisor, *University Institute of Engineering & Technology, Panjab University, Chandigarh 160015* [Tel (0172) 254-4107 (O), 257-0765 (R), 99-150-35511 (M); Fax 254-7986; Email [rakeshtuli@hotmail.com](mailto:rakeshtuli@hotmail.com), [rtuli@pu.ac.in](mailto:rtuli@pu.ac.in)]; **Medal:** INSA Young Scientist (1983); SL Hora (2008); **SC: X.**





**2007: TUTEJA, Narendra** (b 1955), PhD, DSc, Sp: Plant Molecular Biology, Plant Biotechnology, Agriculture, DNA/RNA Helicases, Plant Abiotic and Biotic Stress Tolerance, Mango Malformation; Plant-Microbes Interactions; FASc, FNASc, FNAAS, FTWAS, Former Group Leader & Senior Scientist, *International Centre for Genetic Engineering and Biotechnology (ICGEB), Aruna Asaf Ali Marg, New Delhi 110067*; Former Professor & Director, AIMT, Amity University, Noida; E69, Vasant Marg, Vasant Vihar, New Delhi 110057 [Tel 98-112-33350 (M); Email narendratuteja@gmail.com; Web <https://scholar.google.co.in/citations?user=R1QS5FgAAAAJ&hl=en>]; **SC: VII.**



**1999: TYAGI, Akhilesh Kumar** (b 1956), PhD, Sp: Plant Biology; FASc, FNASc, FNAAS, FTWAS, JC Bose National Fellow, *Department of Plant Molecular Biology, University of Delhi, South Campus, New Delhi 110021*; formerly Senior Professor, Department of Plant Molecular Biology, University of Delhi, South Campus, New Delhi; Director, National Institute of Plant Genome Research (NIPGR), New Delhi; 1, Type V-B Staff Residences, University of Delhi, South Campus, New Delhi 110021 [Tel (011) 2411-5095 (O), 9871277558 (M); Email akhilesh@genomeindia.org]; **Lecture:** BN Chopra (2007); **Council:** Mem 2009, VP 2010-11; **SC: VII.**



**2002: TYAGI, Anil Kumar** (b 1951), PhD, Sp: Biochemistry, Molecular Biology; FASc, FNASc, Vice Chancellor, *GGS Indraprastha University, Sector 16C, Dwaraka, New Delhi 110078*; formerly Professor, Department of Biochemistry, University of Delhi; C-23, South Extension Part-2, Second Floor, New Delhi 110049 [Tel (011) 2530-2104/105 (O), 2659-4544 (R); Fax 2803-5243; Email akt1003@rediffmail.com]; **SC: VIII.**



**2011: TYAGI, Jaya Sivaswami** (b 1954), PhD, Sp: Mycobacteriology, Molecular Biology; FASc, FNASc, NASI Senior Scientist, former Professor and Head, *Department of Biotechnology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029* & Honorary Visiting Professor, THSTI, Faridabad 121001 [Tel (011) 2659-3549 (O), 98-104-09761 (M); Email jayatyagi.aiims@gmail.com]; **Council:** Mem 2015-17; **SC: VIII.**



**2002: UDGAONKAR, Jayant B** (b 1960), PhD, Sp: Physical Biochemistry; Professor and Director, *Indian Institute of Science Education and Research (IISER) Pune, Dr Homi Bhabha Road, Pune 411008* [Tel (020) 2590-8009, 2590-8001 (O); Email director@iiserpune.ac.in; Web <http://www.iiserpune.ac.in>]; **SC: VIII.**



**2006: UPADHYAYA, Kailash Chandra** (b 1946), PhD (Penn State), Sp: Molecular Genetics and Genomics, Plant Molecular Biology and Biotechnology; FNASc, INSA Senior Scientist, formerly Professor & Dean, School of Life Sciences, Jawaharlal Nehru University, New Delhi and VC, Maharaja Sayajirao University of Baroda, Vadodara; C-601, Rudra Apartments, Plot No. 12, Sector 6, Dwaraka, New Delhi 110075 [Tel (011) 2673-8730 (O), 4254-8653 (R), 98-711-87171 (M); Email kcupadhyaya@yahoo.com, kcupadhyaya@gmail.com]; **SC: VII.**



**2018: UPRETI, Dalip Kumar** (b 1958), PhD, Sp: Lichenology, Biosystematics, Environmental Studies; FNASc, Deputy Director, *CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow 226001*; 4-D, South Wing, Shalimar Heights, 28 Jopling Road, Lucknow 226001 [Tel (0522) 229-7850/851 (O), 94-504-00264 (M); Fax 220-5836/39; Email upretidk@rediffmail.com, upretidknbri@gmail.com]; **SC: VI.**

**2015: VAIDYA, Vidita Ashok** (b 1970), PhD, Sp: Neuroscience; Professor (H), *Department of Biological Sciences, Tata Institute of Fundamental Research, 1, Homi Bhabha Road, Colaba, Mumbai 400005*; 308, Bhaskara, Tata Institute of Fundamental Research, 2, Homi Bhabha Road, Colaba, Mumbai 400005 [Tel (022) 2278-2608 (O), 2280-4859 (R), 84-549-48703 (M); Fax 2280-4610; Email [vvaidya@tifr.res.in](mailto:vvaidya@tifr.res.in)]; **Medal:** Chandrakala Hora Memorial (2019); **Council:** Mem 2022-; **SC: IX.**



**1984: VALIATHAN, Martanda Varma Sankaran** (b 1934), ChM, FRCS (Eng), FRCS (Canada), FRCP (Lond), DSc (*hc*), Sp: Cardiac Surgery; FASc, FNASc, FNAE, FAMS, FTWAS, National Research Professor, *Manipal School of Life Sciences, Dr TMA Pai Planetarium Complex, Manipal Academy of Higher Education, Manipal, Karnataka 576104*; “Ashima Kutir” 11th Cross, Dasharath Nagar, Manipal 576104 [Tel (0820) 292-2342, 257-1201 Ext 22342 (O); Fax 257-1919, 257-0062, 257-0061; Email [ms.valiathan@manipal.edu](mailto:ms.valiathan@manipal.edu), [mvaliathan@gmail.com](mailto:mvaliathan@gmail.com)]; **Medal:** Shri Dhanwantari Prize (1991), Aryabhata (1996), INSA Medal for Promotion & Service to Science (2014); **Lecture:** Etienne Wolf-Ramanujan (2013); **Council:** Mem 1991-93, VP 1997-99, Pres 2002-04; **SC: IX.**



**2010: VANKAR, Yashwant Dattatraya** (b 1950), PhD, Sp: Organic Chemistry; FASc, Emeritus Professor, *School of Chemistry, Indian Institute of Science Education and Research Thiruvananthapuram, Maruthamala PO, Vithura, Trivandrum 695551*; formerly Professor and Head, Department of Chemistry, IIT, Kanpur; Flat # 2104/2105, Montreal Tower, Shastri Nagar, Andheri (West), Mumbai 400053 [Tel 99-350-62562 (M); Email [vankar@iitk.ac.in](mailto:vankar@iitk.ac.in), [ydvankar@gmail.com](mailto:ydvankar@gmail.com)]; **SC: III.**



**2007: VARADARAJAN, Raghavan** (b 1960), PhD, Sp: Protein Structure and Folding; FASc, Professor, *Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560012*; DQ-9, IISc Campus, Bengaluru 560012 [Tel (080) 2293-2612 (O); Fax 2360-0535; Email [varadar@iisc.ac.in](mailto:varadar@iisc.ac.in)]; **SC: VIII.**



**1983: VARADARAJAN, Srinivasan** (b 1928), PhD (Delhi, Cantab), DSc (*hc*), DLitt (*hc*), Sp: Organic and Biological Chemistry, Molecular Biology, Biotechnology, Engineering Design, Technology Development Transfer, Manufacture, Market Development, New Product Development and Application, Human Nutrition, Policy, Energy, Management Systems; FASc, FNAE, FNASc (Hon), FTWAS, formerly President, Ind. Acad. Sci., Ind. Nat. Acad. Engg, Nutrition Soc. CMD IPCL & EIL; Indian Vaccine Cooperation Ltd.; Secretary, Government of India, DST and DSIR; Vice Chairman, Biotechnology Board & OADB; Chief Consultant, Planning Commission of India; DG, CSIR and Chairman, Nat. Council of Science Museums; *4A, Girdhar Apts, 28, Feroz Shah Road, New Delhi 110001* [Tel (011) 2323-0828, 2322-1932-50 (O), 2371-2512, 2371-3137 (R); Fax 2323-1095; Email [esoffice@insa.nic.in](mailto:esoffice@insa.nic.in), [varadr@gmail.com](mailto:varadr@gmail.com)]; **Medal:** CV Raman (2001), INSA Medal for Promotion & Service to Science (2004), Platinum Jubilee Chair for Promotion and Service to Science (2009-2014); **Council:** Ad Mem 1983-84, VP 1991-92, Pres 1996-98; **SC: VIII.**





**1987: VARMA, Anupam** (b 1940), PhD, Sp: Plant Virology, Plant Pathology, Biotechnology, Education; FNASc, FNAAS, INSA Emeritus Scientist, Adjunct Professor, formerly National Professor, *Advanced Centre for Plant Virology, Division of Plant Pathology, Indian Agricultural Research Institute, New Delhi 110012*; 253, Jaimaa Apartments, Plot 16, Sector 5, Dwarka, New Delhi 110075; 136 Housing Board Colony, Bindraban, Palampur 176061 (HP) [Tel (011) 2584-2134 (O), 2507-2511 (R), 98-102-17141 (M); Email av.acpv@gmail.com, anupamvarma40@hotmail.com]; **Medal:** SS Bhatnagar (2010); **Lecture:** Professor TS Sadasivan (2002); INSA Senior Scientist (2005-10), INSA Honorary Scientist (2010-15); **Council:** Mem 1999-01, VP 2005-07; **SC: X.**



**2014: VARSHNEY, Rajeev Kumar** (b 1973), PhD, Sp: Crop Genetics, Genomics and Molecular Breeding; FTWAS, FASc, FNASc, FNAAS, FAAAS, Fellow, German National Academy of Sciences, Leopoldina, Research Program Director-*Genetic Gains* and Director, *Centre of Excellence in Genomics & Systems Biology, CEG Building #300, International Crops Research Institute for Semi-Arid Tropics (ICRISAT), Patancheru 502324, Telangana*; House # IRSH 602/15, ICRISAT Campus, ICRISAT, Patancheru 502324, Telangana [Tel (040) 3071-3305 (O), 99-499-94070 (M); Fax 3071-3074/75; Email r.k.varshney@cgiar.org, varshney.raj@gmail.com]; **Medal:** INSA Young Scientist (2008); **SC: X.**



**2008: VARSHNEY, Umesh** (b 1957), PhD, Sp: Molecular Biology; FASc, FNASc, FTWAS, J.N. Tata Chair Professor, *Department of Microbiology and Cell Biology*, and Dean, Faculty of Science, *Indian Institute of Science, Bengaluru 560012*; 33A, RMV Enclave (NTI Layout), 1st Main, RMV 2nd Stage, Bengaluru 560094 [Tel (080) 2293-2686, 2360-0169 (O), 2341-7828 (R); Fax 2360-2697; Email varshney@iisc.ac.in]; **SC: VIII.**



**2012: VASUDEVAN, Sukumaran** (b 1953), PhD, Sp: Physical Chemistry; FASc, Professor, *Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bengaluru 560012*; 2072, Prestige Kensinton Gardens, 17 HMT Main Road, Bengaluru 560013 [Tel (080) 2293-2382, 2293-2661 (O); Fax 2360-1552; Email svipc@iisc.ac.in]; **SC: III.**



**2016: VEERAPPA GOWDA, Gaddemane Dyavappa** (b 1955), PhD, Sp: Partial Differential Equations in Particular, Conservation Laws and Hamilton-Jacobi Equations, Theory and Numerics; Professor, *TIFR Centre for Applicable Mathematics, Sharada Nagar, Chikkabommasandra, PB No. 6503, Bengaluru 560065*; # 1262, BENAKA, 10th Main, 1st Cross, Judicial Layout, GKVK Post, Bengaluru 560065 [Tel (080) 6695-3743 (O), 2856-5106 (R), 97-408-18971 (M); Fax 6695-3799; Email gowda@math.tifrbng.res.in]; **SC: I.**



**2008: VELUTHAMBI, Karuppannan** (b 1953), PhD, Sp: Plant Sciences, Plant Biotechnology, Plant Virology; FASc, FNASc, Formerly INSA Senior Scientist and Professor, *School of Biotechnology, Madurai Kamaraj University, Madurai 625021*; Plot 3, North 1st Street, Kalvi Nagar, Madurai 625021 [Tel (0452) 245-8458 (R), 94-439-27365 (M); Email kveluthambi@rediffmail.com, kveluthambi@gmail.com]; **Council:** Mem 2016-18; **SC: VII.**

**1999: VENKATACHALAPPA, Mandikarappa** (*b* 1947), PhD, Sp: Applied Mathematics: Fluid Mechanics, Magneto-hydrodynamics; FNASc, formerly Professor, Centre for Advanced Studies Programme, Department of Mathematics, Bangalore University, Bengaluru 560001; *No. 653, 13th Cross, 27th Main, HSR Layout, Sector 1, Agara, Bengaluru 560102* [Tel (080) 2258-1906 (R), 98-454-48381 (M); Email [mvenkatachalappa@hotmail.com](mailto:mvenkatachalappa@hotmail.com)]; **SC: I.**



**2022: VENKATARAMAN, Chandra** (*b* 1963), PhD, Sp: Aerosol Science & Engineering, Atmospheric & Climate Science, Sustainability, Climate Forcing and Feedbacks to Air Pollution, Nanoparticle Drug Delivery; FASc, FNASc, FNAE; Professor, Interdisciplinary Programme in Climate Studies & Department of Chemical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai 400 076; B-195, Ananta, IIT Bombay, Powai, Mumbai 400076 [Tel (022) 2576-7224(O); Email [chandra@iitb.ac.in](mailto:chandra@iitb.ac.in), [cv140401@gmail.com](mailto:cv140401@gmail.com); Web <https://www.climate.iitb.ac.in/en/employee-profile/prof-chandra-venkataraman>]; **SC: IV.**



**1977: VENKATARAMAN, Ganesan** (*b* 1932), PhD, Sp: Condensed Matter Physics; FASc, FNAS, *W6-A14, Prasantinilayam, Anantapur District 515134, AP* [Tel (08555) 287-499 (R); Email [gvraman108@gmail.com](mailto:gvraman108@gmail.com)]; **Medal:** Indira Gandhi Prize for Popularization of Science (1994); **SC: II.**



**2004: VENKATARAMANA, Tyakal Nanjundiah** (*b* 1958) PhD, Sp: Algebraic Groups, Arithmetic Groups, Automorphic Forms; *School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400005; 402, SATYENDRA, Homi Bhabha Road, Colaba, Mumbai 400005* [Tel (022) 2278-2224 (O), 2280-4831 (R); Email [venky@math.tifr.res.in](mailto:venky@math.tifr.res.in)]; **Medal:** Srinivasa Ramanujan (2016); **SC: I.**



**1989: VENKATESAN, Kailasam** (*b* 1932), AIISc, PhD, Sp: Chemical Crystallography; FASc, formerly Professor, Department of Organic Chemistry, IISc, Bengaluru 560012; *Himagiri Apts D1, 77, 4th Main Road, Malleswaram, Bengaluru 560055* [Tel (080) 2293-2403 (O), 2334-8736 (R); Fax 334-1683; Email [kvenoc15@yahoo.com](mailto:kvenoc15@yahoo.com), [kv@orgchem.iisc.ernet.in](mailto:kv@orgchem.iisc.ernet.in)]; INSA Senior Scientist (1992-97); **SC: III.**



**1990: VENKATESH, Yedatore Venkatakrishnaiya** (*b* 1942), ME, PhD, Sp: System Theory, Signal Processing, Machine & Computer Vision and Neural Networks, Biometrics and Hyperspectral Satellite Image Analysis; FASc, FNAE, formerly Chairman, Division of Electrical Sciences, Dean, Faculty of Engineering, Tata-Chem Professor and Professor, Department of Electrical Engineering, Indian Institute of Science, Bengaluru 560012; Visiting Research Professor, Department of Electrical and Computer Engineering and Interactive Digital Media Institute, National University of Singapore, Singapore; *521, 5th Cross, 8th 'A' Main, Tata Nagar (Kodigeballi), Bengaluru 560092* [Email [y\\_v\\_venkatesh@yahoo.co.in](mailto:y_v_venkatesh@yahoo.co.in), [yv.venkatesh@gmail.com](mailto:yv.venkatesh@gmail.com)]; **SC: V.**



**2022: VERMA, Akhilesh Kumar** (*b* 1968), PhD, Sp: Transition-Metal/ Superbase-Catalyzed Organic Transformations; FRSC, Professor, *Room No. 115, B Block, Department of Chemistry, North Campus, University of Delhi, Delhi 110007; A-4, Arya Apartment, Sector 15, Rohini, New Delhi 110089* [Tel (011) 2766-6646 (O), 2729-8955 (R), 97-178-31262 (M); Email [akhilesh682000@gmail.com](mailto:akhilesh682000@gmail.com)]; **SC: III.**





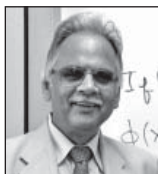
**2013: VERMA, Jugal Kishore** (b 1958), PhD, Sp: Mathematics (Algebra); FNASc, Professor, *Department of Mathematics, Indian Institute of Technology Bombay, Powai, Mumbai 400076*; B-283, Nilgiri Building, Central Area, IIT, Powai, Mumbai 400076 [Tel (022) 2576-7478 (O), 2576-8478 (R), 98-1930-7484 (M); Fax 2572-3480; Email [jkv@iitb.ac.in](mailto:jkv@iitb.ac.in), [verma.jugal@gmail.com](mailto:verma.jugal@gmail.com)]; **SC: I.**



**2020: VERMA, Mahendra Kumar** (b 1966), PhD, Sp: Turbulence, Plasma Physics, Nonlinear Dynamics; Professor, *Department of Physics, Indian Institute of Technology Kanpur, Kanpur 208016*; H.No. 4074, Indian Institute of Technology Kanpur, Kanpur 208016 [Tel (0512) 259-7396 (O), 259-8515 (R), 93-997-46029 (M); Fax 259-0914; Email [mkv@iitk.ac.in](mailto:mkv@iitk.ac.in); Web <https://sites.google.com/view/mahendra-verma/>]; **Award:** Swarnajayanti Fellowship (2006), INSA Teachers Award (2016), Dr APJ Abdul Kalam Cray HPC Award (2018); **SC: II.**



**2016: VERMA, Sandeep** (b 1966), PhD, Sp: Bioorganic Chemistry, Chemical Biology; FNASc, FASc, FRSC, JC Bose National Fellow and Secretary, *Science and Engineering Research Board, 5 & 5A, Lower Ground Floor, Vasant Square Mall, Sector-B, Pocket-5, Vasant Kunj, New Delhi 110070*; Professor, Department of Chemistry and Coordinator, Center for Nanoscience, Indian Institute of Technology Kanpur, Kanpur 208016; H No. 625, Indian Institute of Technology Kanpur, Kanpur 208016 [Tel (0512) 679-7643 (O), 99-350-81810 (M); Fax 679-6806; Email [secretary.serb@nic.in](mailto:secretary.serb@nic.in), [sverma@iitk.ac.in](mailto:sverma@iitk.ac.in)]; **Lecture:** Dr Nitya Anand Endowment (2021); **Council:** Ad Mem 2021; **SC: III.**



**1994: VIDYASAGAR, Mathukumalli** (b 1947), PhD (Wisconsin), Sp: Machine Learning, Control Theory, Statistical Learning Theory, Computational Biology; FASc, FNAE, FTWAS, FRS, SERB National Chair and Distinguished Professor, *Indian Institute of Technology Hyderabad, Kandi, Telangana 502284* [Tel 98-480-50451 (M); Email [m.vidyasagar@iith.ac.in](mailto:m.vidyasagar@iith.ac.in); Web [https://www.iith.ac.in/~m\\_vidyasagar/](https://www.iith.ac.in/~m_vidyasagar/)]; **Lecture:** JLNehru Birth Centenary (2005); **SC: V.**



**2017: VIJAY KUMAR, Panganamala** (b 1955), PhD, Sp: Electrical Communication Engineering: Error-Correcting Codes, Wireless Communication; Professor, *Department of Electrical Communication Engineering, Indian Institute of Science, Bengaluru 560012*; 169, 3rd Main, 11th Cross, RMV 2nd Stage, Bengaluru 560094 [Tel (080) 2293-3155 (O), 99-451-79215 (M); Fax 2360-0563; Email [pvk1729@gmail.com](mailto:pvk1729@gmail.com), [pvk@iisc.ac.in](mailto:pvk@iisc.ac.in); Web <http://ece.iisc.ernet.in/~vijay/>]; **SC: V.**



**2022: VIJAYACHARI, Paluru** (b 1962), MD, PhD, Sp: Medicine, Molecular Medical Microbiology; FNASc, FAMS, Director and Scientist G, ICMR-Regional Medical Research Centre, Dolly Gunj, Port Blair, Andaman and Nicobar Islands 744103; Type IV Quarter (ICMR), CPWD Complex, Lamba Line, Port Blair 744103 [Tel (03192) 251-158 (O), 231-748 (R), 99-320-83226; Email [vijayachari@iicmr.gov.in](mailto:vijayachari@iicmr.gov.in)]; **SC: IX.**

**1987: VIJAYAN, Mamannamana** (b 1941), PhD, Sp: Molecular Biophysics, Biological Crystallography and Structural Biology; FASc, FNASc, FTWAS, NASI Platinum Jubilee Senior Scientist, *Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560012*; formerly Associate Director, IISc, Bengaluru; 195 (Old No 49/7), 16 Cross, 4th Main, Malleswaram, Bengaluru 560055 [Tel (080) 2360-0765 (Lab), 2334-0031 (R); Fax 2360-0535; Email mv@iisc.ac.in; Web <http://mbu.iisc.ac.in/~mvlab>]; **Professorship:** INSA-Albert Einstein Centenary Research Professor (2013-18); **Medal:** Professor GN Ramachandran 60th Birthday Commemoration (1994); **Lecture:** KS Krishnan Memorial (2001); **Visiting Fellowship:** JL Nehru Birth Centenary (1999); **Council:** VP 2005-07, Pres. 2008-10; **SC: VIII.**



**1980: VIJAYARAGHAVAN, Ramanuja** (b 1931), PhD, Sp: Solid State Physics; FASc, FNASc; 305, *Vaigyanik Coop Hsg Soc, Plot 58-59, Sector 14, Vashi, New Mumbai 400703* [Tel (022) 2215-2971 (O), 2766-7554 (R); Fax 2215-2110, 2578-3254; Email rv@tifr.res.in]; INSA Senior Scientist (1996-2001); **SC: II.**



**1999: VIJAYRAGHAVAN, Krishnaswamy** (b 1954), PhD, Sp: Developmental Biology and Genetics; FASc, FRS, Principal Scientific Adviser, *Gol, Room No 319, Vignyan Bhawan Annexe, New Delhi 110011*; Former Secretary, DBT [Tel (011) 2469-5482, 2302-2112 (O); Fax 2469-5483; Email vijayraghavan@gov.in]; **Medal:** CV Raman (2019); **Lecture:** JL Nehru Birth Centenary (2007); **SC: VII.**



**2008: VIJAYRAGHAVAN, Usha** (b 1961), PhD, Sp: Molecular Genetics, Plant Development; FASc, Professor, *Department of Microbiology & Cell Biology, Indian Institute of Science, Bengaluru 560012*; 106, 6th Cross, RMV Stage II, Bengaluru 560094 [Tel (080) 2360-0168 (O), 2341-8504 (R), 98-443-32445 (M); Email uvr@iisc.ac.in, uvr123@gmail.com]; **Medal:** Professor Har Swarup Memorial (2018); **SC: VII.**



**1993: VIRK, Daljit Singh** (b 1944), PhD & DSc (Birmingham), Sp: Genetics and Plant Breeding; FNASc, FNAAS, FRBS, Adjunct Professor, Eternal University, Baru Sahib, HP 173101; former Professor, Mekelle University, Ethiopia; former Senior Research Fellow and International Coordinator, School of Natural Sciences, Bangor Univ., Bangor, LL57 2UW, UK; formerly Professor, Department of Plant Breeding, PAU, Ludhiana; 18, *South Brae Close, Littleover, Derby DE 23 1WD, England* and 123 D, Kitchlu Nagar, Ludhiana 141001 [Tel (044-1332) 766-629 (R), (044) 77-990-57846 (M); Email dsvirk2012@gmail.com]; **SC: X.**

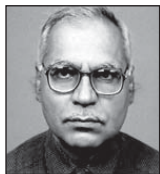


**1988: VISWANADHAM, Nukala** (b 1943), PhD, Sp: Global Supply Chain Ecosystems, Logistics, Platform Business Models, Resilience in Business Ecosystems; FASc, FTWAS, *Indian Institute of Science, Bengaluru 560012*; 529, 2nd Main Road, RMV Extension Stage II, Block III, Bengaluru 560094 [Tel (080) 2293-2693 (O), 2351-9864 (R); Email n.viswanadham@gmail.com]; INSA Honorary Scientist (2014-16, 2018-22); **SC: V.**



**2013: VISWESWARIAH, Sandhya Srikant** (b 1957), PhD, Sp: Biochemistry, Cell Biology; FASc, FTWAS, JC Bose National Fellow, Professor, *Department of Molecular Reproduction, Development and Genetics, Indian Institute of Sciences, Bengaluru 560012*; 801 (27), 36A Cross, 20th Main Jayanagar 4T Block, Bengaluru 560041 [Tel (080) 2293-2542, 2360-1522 (O), 99-028-18616 (M); Fax 2360-0999; Email sandhya@iisc.ac.in, s.sandhya@gmail.com]; **Medal:** INSA Young Scientist (1988); **Lecture:** Dr MR Das Memorial (2020); **SC: VIII.**





**2009: VIYOGI, Yogendra Pathak** (b 1948), PhD, Sp: Experimental Nuclear Physics; FNASc, INSA Emeritus Scientist, formerly DAE Raja Ramanna Fellow and Outstanding Scientist, VECC, Kolkata; formerly Director, Institute of Physics, Bhubaneswar; *Block 8, Flat 2B, Diamond City North, Kolkata 700055* [Tel 98-310-37532 (M); Email viyogi@gmail.com]; INSA Senior Scientist (2017-18); **SC: II.**



**2021: VRATI, Sudhanshu** (b 1960), PhD, Sp: Virology, Vaccinology; FASc, FNASc, Executive Director, *Regional Centre for Biotechnology, Faridabad 121001*; RCB ED Villa, NCR Biotech Science Cluster, Faridabad 121001 [Tel (0129) 2848801(O), 98-110-07944 (M); Fax 2848802; Email vrati@rcb.res.in]; **SC: IX.**



**1997: WADIA, Spenta Rustom** (b 1950), PhD, Sp: String Theory, Quantum Gravity, Statistical Mechanics; FASc, FNASc, FTWAS, Infosys Homi Bhabha Chair Professor, Emeritus Professor & Founding Director, *International Centre for Theoretical Sciences (ICTS-TIFR), Tata Institute of Fundamental Research, Shivakote, Bengaluru 560089*; N-11, ICTS-TIFR, Shivakote, Bengaluru 560089 [Tel (080) 4653-6010 (O), 4653-6480 (R); Email spenta.wadia@icts.res.in; Web <https://www.icts.res.in/people/spenta-wadia/>]; **Council: VP 2022-; SC: II.**



**2014: WAGHMARE, Umesh Vasudeo** (b 1968), PhD, Sp: Theory, Modeling and Simulations of Materials; FASc, FNASc, Professor, *Theoretical Sciences Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur PO, Bengaluru 560064*; 43, Maitreya, 4th Cross, Sector A, Amruth Nagar, Amruthahalli, Bengaluru 560092 [Tel (080) 2208-2842 (O), 2362-2774 (R), 94-482-87711 (M); Fax 2208-2767; Email waghmare@jncasr.ac.in]; **SC: II.**



**2020: WANI, Mohan Ramchandra** (b 1965), MVSc (Veterinary Surgery), PhD (Medicine, UK), Sp: Bone Remodeling and Regenerative Medicine; FNASc, FAMS, Tata Innovation Fellow, Commonwealth Scholar, Scientist-G (Professor), *National Centre for Cell Science, University of Pune Campus, Pune 411007*; 4-Parijat Apartment, 73 Mayur Colony, Kothrud, Pune 411038 [Tel (020) 2570-8102 (O), 2543-0204 (R), 93-730-00831 (M); Fax 2569-2259; Email mohanwani@nccs.res.in]; **SC: IX.**



**2007: YADAV, Ganapati Dadasaheb** (b 1952), PhD (Tech) (Chem. Eng.), D.Sc. (Hon. Causa, DYPU Kolhapur), D.Eng. (Hon. Causa, NIT-Agartala), Sp: Chemical Engineering, Green Chemistry and Engineering, Catalytic Science and Engineering, Renewable Energy Engineering; FASc, FNASc, FNAE, FTWAS, FRSC, Emeritus Professor of Eminence, JC Bose National Fellow, Conjoint Professor, University of New Castle, Australia; Adjunct Professor, RMIT University, Australia; Adjunct Professor, University of Saskatchewan, Canada; Distinguished Visiting Professor, SOA University, Bhubaneswar, Distinguished Adjunct Professor, VNIT, Surat; Former Vice-Chancellor & RT Mody Distinguished Professor and Tata Chemicals Darbari Seth Distinguished Professor of Leadership & Innovation, *Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai 400019*; Palm Springs CHS, A-1201, Sector 7, Near Peer Sayyad Badshah Udyan, Airoli, Navi Mumbai 400708 [Tel (022) 3361-2010/1111/2222, 98-330-90510 (M); Fax 3361-1020; Email gdyadav@ictmumbai.edu.in, gdyadav@yahoo.com, gdyadav@gmail.com]; **Medal: SH Zaheer (2017); Council: Mem 2019-21; SC: V.**

**1998: YADAV, Jhillu Singh** (b 1950), PhD, Sp: Organic Chemistry; FASc, FNASc, FTWAS, JC Bose Fellow, former Director and Bhatnagar Fellow, CSIR-IICT, Vice-Chancellor, Director and Trustee, *Indrashil University, PO Rajpur, Taluka Kadi, Mehsana 382730, Gujarat*; 45, Garden Villa, Opp. UGVCL Office, Kadi-Chatral Road, Kadi 382715 [Tel (02764) 278-813 (Extn. 217), 70-690-76528 (M); Email [jsyadav@indrashiluniversity.edu.in](mailto:jsyadav@indrashiluniversity.edu.in), [yadavfna@gmail.com](mailto:yadavfna@gmail.com)]; **Lecture:** Professor S Swaminathan 60<sup>th</sup> Birthday Commemoration (2002); **SC: III.**



**2021: YADAV, Om Parkash** (b 1963), PhD, Sp: Plant Breeding; FNAAS, Director, *ICAR-Central Arid Zone Research Institute (CAZRI), Jodhpur, Rajasthan 342003*; Director's Bungalow, ICAR-Central Arid Zone Research Institute (CAZRI), Jodhpur, Rajasthan 342 003 [Tel (0291) 2786584 (O), 94-139-31805 (M); Fax 2788706; Email [opyadav21@yahoo.com](mailto:opyadav21@yahoo.com), [director.cazri@icar.gov.in](mailto:director.cazri@icar.gov.in)]; **SC: X.**



**2017: YADAV, Shrirang Ramchandra** (b 1954), PhD, Sp: Angiosperm Taxonomy; FNASc, INSA Senior Scientist, Professor (Retd), UGC BSR Faculty Fellow, *Department of Botany, Shivaji University, Kolhapur 416004*; NISARG, Gulmohar Colony, Behind Dadu Chougule Nagar, Ujlaiwadi, Kolhapur 416004 [Tel (0231) 260-9389 (O), 94-211-02350, 82-620-91318 (M); Fax 691-533, 692-333; Email [sryadavdu@rediffmail.com](mailto:sryadavdu@rediffmail.com), [sryadavdu@gmail.com](mailto:sryadavdu@gmail.com)]; **SC: VI.**



**2021: YAJNIK, Chittaranjan Sakerlal** (b 1952), MD, FRCP, Sp: Medicine (Diabetologist); Director, *Diabetes Unit, 6th floor, Banoo Coyaji bldg., KEM Hospital Research Centre, Sardar Moodliar road, Rasta Peth, Pune 411011*; 870/6, Shivaji Nagar, Nivant Gadh, Bhandarkar Road, Pune 411004 [Tel (020) 66037368 (O), 98-228-47481 (M); Email [csyajnik@gmail.com](mailto:csyajnik@gmail.com)]; **SC: IX.**



**2012: YASHONATH, Subramanian** (b 1956), PhD, Sp: Theoretical Chemistry, Physical Chemistry; FASc, Professor, *Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560012*; 1769, 15 Main, 34 Cross, Banashankari, 2nd Stage, Bengaluru 560070 [Tel (080) 2293-2568 (D), 2293-2519 Ext 2032 (O), 94-497-66160 (M); Fax 2360-1310; Email [yashonath@iisc.ac.in](mailto:yashonath@iisc.ac.in), [yashonath@gmail.com](mailto:yashonath@gmail.com)]; **SC: III.**



**1999: YEGNANARAYANA, Bayya** (b 1944), PhD, Sp: Signal Processing, Speech, Vision and Neural Networks; FASc, FNAE, FIEEE, FIETE, FISCA, FAPAS, FASI, INSA Senior Scientist, *International Institute of Information Technology, Gachibowli, Hyderabad 500032*; 201, Savitri Nilayam, Lane 23, Road 1, Ravindranagar, Habsiguda, Hyderabad 500007 [Tel 2715-4526 (R), 94-418-86526 (M); Email [yegna@iiit.ac.in](mailto:yegna@iiit.ac.in), [bayya.yegna@gmail.com](mailto:bayya.yegna@gmail.com)]; **Medal:** SH Zaheer (2014); **SC: V.**



## FOREIGN FELLOWS



**1997: ADHYA, Sankar L** (*b* 1937), PhD (Wisconsin), PhD (Calcutta), DSc (*bc*), Sp: Genetics, Biochemistry, Prokaryotes, Bacteriophages; Member, Nat Acad Sci, USA; Fellow, American Academy of Arts and Sciences; Fellow, American Association of Advancement of Science; Fellow, Am Acad Microbiology; Full Member, Center for Models of Life, Neils Bohr Institute, Copenhagen, Denmark; Chief, *Developmental Genetics Section, Center for Cancer Research, National Cancer Institute, National Institutes of Health, Bethesda, MD 20892-4255, USA*; Adjunct Professor, George Washington University, Washington, DC [Tel (301) 496-2495; Fax 480-7387; Email [sadhya@helix.nih.gov](mailto:sadhya@helix.nih.gov), [adhyas@mail.nih.gov](mailto:adhyas@mail.nih.gov)].



**2013: AHMED, Rafi** (*b* 1948), PhD, Sp: Molecular Understanding of Immunological Memory in Infection and Vaccination; Fellow, American Academy of Microbiology; Fellow, American Association for the Advancement of Science; Fellow, US Nat Acad of Sc, Director, *Emory Vaccine Center*, Professor and GRA Eminent Scholar, *Department of Microbiology & Immunology, Emory University School of Medicine, Emory University, G211 Rollins Research Building, Atlanta, GA 30322, USA*; 1811 Durand Mill Dr NE, Atlanta, GA 30307, USA [Tel (404) 727-3571 (O), 727-4700; Email [rahmed@emory.edu](mailto:rahmed@emory.edu)].



**2004: ALBERTS, Bruce** (*b* 1938), PhD, Sp: Biochemistry and Cell Biology, Chancellor's Leadership Chair in Biochemistry and Biophysics for Science and Education, University of California, San Francisco; formerly Editor-in-Chief, *Science Magazine* (2008-13), United States Science Envoy (2009-11); President Emeritus, US National Academy of Sciences (1993-2005), *UCSF MC 2200, Genentech Hall N312, 600-16th Street, San Francisco, CA, USA 94158-2517* [Tel (001-415) 476-0806 (O); Email [balberts@ucsf.edu](mailto:balberts@ucsf.edu)].



**2007: ALLEGRE, Claude Jean** (*b* 1937), PhD, Sp: Earth and Planetary Sciences; *Institut Physique du Globe, 1 rue Jussieu, 75005 Paris (France)* [Tel 33 1 83 95 76 47 (O), 33 1 43 26 86 16 (R), 33 6 70 58 61 34 (M); Email [allegre@ipgp.fr](mailto:allegre@ipgp.fr)].



**2007: ALLENDE, Jorge Eduardo** (*b* 1934), PhD, Sp: Biochemistry and Molecular Biology, Program of Cell and Molecular Biology; *Institute of Biomedical Sciences, Faculty of Medicine, University of Chile, Santiago, Chile* [Email [jallende@uchile.cl](mailto:jallende@uchile.cl)].

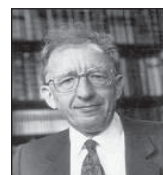
**2020: ATTFIELD, John Paul** (*b* 1962), DPhil, Sp: Materials Chemistry and Physics; FRS, FRSE, FRSC, Chair of Materials Science at Extreme Conditions, *School of Chemistry and Centre for Science at Extreme Conditions (CSEC), King's Buildings, University of Edinburgh, Mayfield Road, Edinburgh, EH9 3JZ, UK*; 9, Boswall Loan, Edinburgh, EH5 1AS, UK [Tel (44-131) 651-7229; Fax 651-7049; Email [j.p.attfield@ed.ac.uk](mailto:j.p.attfield@ed.ac.uk)].



**1982: AYENSU, Edward Solomon** (*b* 1935), PhD, FLS, FGAAS, FTWAS, FAAS, Sp: Plant Biology, Biodiversity, Conservation and Economic Development; Chairman, Presidential Advisory Council on Science, Technology and Innovation (PAC-STI), Ghana; Chairman, Board of Trustees, African Institute for Mathematical Sciences (AIMS), Ghana; Chairman, Board of Trustees, Accra Institute of Technology (AIT), Ghana; Executive Chairman, ESA Associates Ltd, Science, Technology and Economic Consultants; formerly Chairman, Council for Scientific and Industrial Research (CSIR), Ghana; formerly Chairman, World Bank Inspection Panel; formerly President, Pan African Union for Science and Technology; formerly Chairman, Ghana National Biodiversity Committee; formerly Mem, International Advisory Council on Global Scientific Communications, UNESCO; formerly Chairman, Ad-hoc Working Group on Biodiversity, *4th Circular Road, Number 1, 4th Circular Close, SNNIT Cantonments Estates, Cantonments, Accra, Ghana*; *PO Box 16525 – Airport, Accra, Ghana* [Tel (233-302) 778-677, 775-554, (233-24) 435-4070 (M); Email [edayensu@gmail.com](mailto:edayensu@gmail.com); Web <http://edwardayensu.com>].



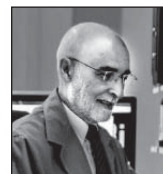
**1980: BAKER, Alan** (*b* 1939), PhD, Sp: Mathematics; FRS, Hon Mem, Hungarian Acad Sc, Emeritus Professor of Pure Mathematics, *University of Cambridge*, and Fellow, *Trinity College, Cambridge, CB2 1TQ, UK* [Tel (44-1223) 338-400 (O); Email [a.baker@dpmmms.cam.ac.uk](mailto:a.baker@dpmmms.cam.ac.uk)].



**2021: BANERJEE, Utpal** (*b* 1957), PhD, Sp: Signal Transduction, Metabolic and Genetic Control of Development; Professor, *Department of Molecular, Cell and Developmental Biology, Professor, Department of Biological Chemistry, Co-Director, Broad Stem Cell Research Center and HHMI Professor, University of California, Los Angeles, 610 Charles E Young Drive East, Los Angeles, California 90095 USA*; 12968 Greenleaf Street, Studio City, California 91604 USA [Tel 1-310-206-5439; E-mail [banerjee@mbi.ucla.edu](mailto:banerjee@mbi.ucla.edu)].



**2006: BARRANTES, Francisco José** (*b* 1944), MD, PhD, Sp: Neurobiology, Neurosciences; Director, *Laboratory of Molecular Neurobiology, Institute of Biomedical Research, Faculty of Medicine, Catholic University of Argentina and Argentinian Res Council (CONICET), Av. Alicia Moreau de Justo 1600, 3 piso, C1107AFF – Buenos Aires, Argentina* [Tel +54 11 4349-0200 Ext 2116 (O); Fax +54 11 4338-0886; Email [rtfjb1@gmail.com](mailto:rtfjb1@gmail.com), [francisco\\_barrantes@uca.edu.ar](mailto:francisco_barrantes@uca.edu.ar)].





**2003: BATE, Christopher Michael** (b 1943), PhD, Sp: Developmental Neurobiology; FRS, Emeritus Professor, *Department of Zoology, University of Cambridge, Downing Street, Cambridge CB2 3EJ, UK*; Girton Cottage, Manor Farm Road, Girton, Cambridge CB3 0RX [Tel (44-1223) 336-639 (O), 277-781 (R); Fax 336-676; Email [cmb16@hermes.cam.ac.uk](mailto:cmb16@hermes.cam.ac.uk)].



**2009: BEACHY, Roger N** (b 1944), PhD, Sp: Plant Molecular Biology, Virology, Biotechnology; Member, US National Academy of Sciences, The World Academy of Sciences, Korea National Academy of Sciences, Fellow, American Society of Microbiology, American Association for Advancement of Science; Chief Science Officer, Indigo Agriculture Inc.; National Science Board, National Science Foundation; Professor, *Department of Biology, Washington University, St. Louis, Missouri (USA)* [Email [rbeachy@WUSTL.edu](mailto:rbeachy@WUSTL.edu)].



**2021: BENNETZEN, Jeffrey Lynn** (b 1952), PhD, Sp: Plant Genetics and Genomics, Plant:Microbe Interactions; Giles Professor, *Georgia Research Alliance Eminent Scholar and Professor, Department of Genetics, University of Georgia, Athens, GA 30602, USA*; 1041 Arizona Bend, Watkinsville, GA 30677, USA [Tel +1-678-753-1231; Email [maize@uga.edu](mailto:maize@uga.edu)].



**2021: BEVAN, Michael W** (b 1952), PhD, Sp: Plant Molecular Biology, Genetics and Genomics; FRS, OBE, Project Leader, Genes in the Environment, *John Innes Centre, Norwich Research Park, Norwich NR4 7UH, UK*; John Innes Centre Norwich Research Park, Norwich NR4 7UH, UK [Tel +44 (0)1603 450000; Email [Michael.Bevan@jic.ac.uk](mailto:Michael.Bevan@jic.ac.uk)].



**2019: BHADESHIA, Sir Harshad Kumar Dharamshi** (b 1953), PhD, Sp: Physical Metallurgy, Alloys of Iron; FRS, Tata Steel Professor of Metallurgy, *Materials Science and Metallurgy, University of Cambridge, 27 Charles Babbage Road, Cambridge CB3 0FS, UK*; 57 Barrons Way, Comberton, CB23 7EQ, UK [Tel (44-1223) 263-775, 334-300; Fax 334-567; Email [hkdb@cam.ac.uk](mailto:hkdb@cam.ac.uk)].



**2015: BHARGAVA, Manjul** (b 1974), PhD, Sp: Number Theory; FNASc, Fellow, American Mathematical Society, US National Academy of Sciences, Professor, *Department of Mathematics, Princeton University, Princeton, NJ 08544, USA* [Tel (+1) (609) 258-4192 (O); Fax 258-1367; Email [bhargava@math.princeton.edu](mailto:bhargava@math.princeton.edu)].



**2010: BLUM, Hubert E** (b 1944), Department of Medicine II, University Hospital of Freiburg, HugstetterStrasse 55, D-79106 Freiburg, Germany; *Hebelstrasse 23, D-79104 Freiburg, Germany* [Tel 0049-761-2701-8116; Fax 0049-761- 2701-8117; Email [hubert.blum@uniklinik-freiburg.de](mailto:hubert.blum@uniklinik-freiburg.de)].

**1995: BLUNDELL, Sir Tom Leon** (b 1942), DPhil (Oxon), Sp: Structural and Computational Biology, Applications to Drug Discovery for Cancer and Mycobacterial Infections; FRS, FMedSci, Professor Emeritus and Director of Research, *Department of Biochemistry, University of Cambridge, 80 Tennis Court Road, Cambridge CB2 1GA* [Tel (44-1223) 333-628; Email [tlb20@cam.ac.uk](mailto:tlb20@cam.ac.uk)]; **Lecture:** Blackett Memorial (2019).



**2020: BRAUNSCHWEIG, Holger** (b 1961), PhD, Sp: Inorganic and Main-Group Chemistry; FRSC, Professor of Chemistry and Member of the Senate, *Institute of Inorganic Chemistry, Julius Maximilians University Würzburg, At Hubland, 97074 Würzburg, Germany*; Founding Director of the Institute for Sustainable Chemistry & Catalysis with Boron, Julius Maximilians University Würzburg, At Hubland, 97074 Würzburg, Germany [Tel (49-931) 31-85260; Fax 31-84623; Email [h.braunschweig@mail.uni-wuerzburg.de](mailto:h.braunschweig@mail.uni-wuerzburg.de); Web <http://www.chemie.uni-wuerzburg.de>].



**2019: BUCKLER, Edward S** (b 1970), PhD, Sp: Statistical Genetics; Fellow, American Association for the Advancement of Science; Fellow, US National Academy of Sciences, Research Geneticist, *USDA-ARS, Institute for Genomic Diversity, Cornell University, 159 Biotechnology Bldg, Ithaca, NY 14853-2703* [Tel (607) 255-4520; Fax 255-6249; Email [esb33@cornell.edu](mailto:esb33@cornell.edu)].



**2012: CAZENAVE, Anny** (b 1944), PhD, Sp: Satellite Geodesy and Space Research in Earth Sciences; Member, French Academy of Sciences, Foreign Member, National Academy of Sciences, USA; Member, Academia Europaea, Member, European Academy for Aeronautics and Space, Foreign Fellow, National Academy of Sciences of India, Allahabad and Fellow, American Geophysical Union; Senior Scientist, *Laboratoire d'Etudes en Géophysique et Océanographie Spatiale (LEGOS), Centre National d'Etudes Spatiales (CNES), 18 Avenue Edouard Belin, 31401, Toulouse Cedex 4, France* [Tel +33 5 61 33 29 22; Fax +33 5 61 25 32 05; Email [anny.cazenave@legos.obs-mip.fr](mailto:anny.cazenave@legos.obs-mip.fr), [anny.cazenave@cnes.fr](mailto:anny.cazenave@cnes.fr)].



**2019: CHEETHAM, Sir Anthony Kevin** (b 1946), PhD, DSc (*hc*), Sp: Chemistry of Materials; FRS, FTWAS, FASc, Foreign Member, National Academy of Sciences, India, Mongolian Academy of Sciences; Member, Academia Europaea, German National Academy of Sciences, Leopoldina, American Academy of Arts and Sciences, Honorary Fellow, Singapore National Academy of Science; Goldsmiths' Professor of Materials Science Emeritus, *Department of Materials Science and Metallurgy, University of Cambridge, Cambridge CB0 3FS UK*; Materials Research Laboratory, University of California, Santa Barbara, California 93106 [Tel (44-7411) 930-721; Email [akc30@cam.ac.uk](mailto:akc30@cam.ac.uk)].

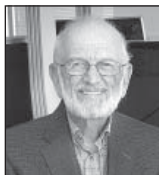


**2000: COHEN-TANNOUDJI, Claude** (b 1933) PhD, NL, Sp: Atomic Molecular and Optical Physics; Member, Academie des Sciences, Honorary Research Professor, Honorary Professor, *College de France, Ecole Normale Supérieure, Laboratoire Kastler Brossel 24, rue Lhomond, 75231 Paris Cedex 05, France*; 38 rue des Cordeliers, 75013, Paris, France [Tel + 33 (0)1 47 07 77 83 (O), + 33 (0)1 45 35 02 18; Fax + 33 (0)1 44 34 34 94; Email [claudc.cohen-tannoudji@lkb.ens.fr](mailto:claudc.cohen-tannoudji@lkb.ens.fr)].





**2015: COLWELL, Rita Rossi** (*b* 1934), DSc (*hc*), Sp: Microbial Genomics, Microbial Ecology, Molecular Genetics; FNASc, FRSC, Fellow, US National Academy of Sciences, Fellow, American Academy of Arts and Sciences, Fellow, American Association for the Advancement of Science; Fellow, Am Acad Microbiology, Distinguished University Professor, *University of Maryland, College Park, 3103 Biomolecular Sciences Building 296, College Park, Maryland 20742, USA* and John Hopkins Bloomberg School of Public Health, Baltimore, Maryland; 5010 River Hill Road, Bethesda, Maryland 20816, USA [Tel (+1) (301) 405-9550 (O); Email rcolwell@umiacs.umd.edu].



**2022: COOKS, Robert Graham** (*b* 1941), PhD, DSc (*hc*), Sp: Mass Spectrometry, Analytical Chemistry, Instrumentation, Fellow, American Academy of Arts & Science, American Association for the Advancement of Science, US National Academy of Sciences, Henry Bohn Hass Distinguished Professor, *Department of Chemistry, Purdue University, 560 Oval Drive, West Lafayette, IN 47907, USA; 177 Prophet Drive, West Lafayette, IN 47906 USA* [Tel (+1) (765) 494-5263; Email cooks@purdue.edu].



**1991: DAVIDSON, John F** (*b* 1926), ScD (Cantab), PhD (Cantab), DSc (*hc*), Sp: Fluidization, Multi-Phase Flow; FRS, Foreign Assoc, US Nat Acad Eng, Associate Russian Academy of Engineering, Professor Emeritus, formerly Shell Professor, *Department of Chemical Engineering, University of Cambridge, Pembroke Street, Cambridge CB2 3RA; 5 Luard Close, Cambridge England CB2 8PL* [Tel (44-1223) 334-775 (O), 246-104 (R); Fax 334-796; Email jfd1000@cam.ac.uk].



**1988: DE JAGER, Cornelis** (*b* 1921), PhD (Utrecht), PhD (*hc*), Sp: Space Research and Astrophysics; Emeritus Professor, *Space Research University of Utrecht, Molenstraat 22, 1791 DL Den Burg, NL; Royal Netherlands Institute for Sea Research, PO Box 59, 1790 AB DEN BURG, The Netherlands, NL* [Tel (31-222) 320-816 (R), (31-6) 2042-0611 (M); Email info@cdejager.com; Web <http://www.cdejager.com>].



**2016: ELLIS, Jonathan R** (*b* 1946), PhD, Sp: Particle Physics, Cosmology, Astrophysics and Quantum Gravity; FRS, Scientist, *Clerk Maxwell Professor of Theoretical Physics, Physics Department, King's College, Strand, London WC2R 2LS, UK* [Tel +44 (020) 7848-2470 (O); Email john.ellis@cern.ch; Web <http://www.kcl.ac.uk/nms/depts/physics/people/academicstaff/ellis.aspx>].



**2013: FLEMING, Graham R** (*b* 1949), PhD, Sp: Physical Chemistry and Chemical Physics; FRS, Fellow, Am Acad Arts & Sc, Member, Nat Acad Sc, USA, Member, Am Philosoph Soc, Professor of Chemistry, *Department of Chemistry, 221 Hildebrand Hall, University of California, Berkeley, California 94720, USA* [Tel (510) 643-2735; Fax 642-6340; Email Fleming@berkeley.edu, grfleming@lbl.gov].

**2012: GLEITER, Herbert** (b 1938), PhD, Sp: Nano materials, Solid State Physics, Materials Science; Fellow, Japanese Society for the Promotion of Science; Honorary Member, German Materials Society; Fellow and Honorary Member, Materials Research Society (USA); Fellow and Honorary Member, Materials Research Society of India; Honorary Member, American Nano Society; Fellow of Indian Society of Mathematical Modeling; German National Academy of Sciences, Leopoldina; US National Academy of Engineering; American Academy of Arts and Sciences; EU Academy of Sciences; Academia Europaea; Indian National Academy of Engineering; Indian Academy of Sciences; European Academy of Sciences; European Academy of Sciences and Arts; Tamil Nadu Academy of Sciences; Global Academy of Engineering; Honorary Doctorates of the Universities Darmstadt, Muenster, ETH Zuerich, City University of Hong Kong; Lanzhou University; Zhejiang University; Director Emeritus and Institute Professor, *Institute of Nanotechnology, Karlsruhe Institute of Technology, Hermann-von-Helmholtz-Platz, D-76344 Karlsruhe-Eggenstein, Germany* [Tel +49 (0721) 6082-6351; Email herbert.gleiter@kit.edu].



**2020: GRANER, Andreas** (b 1957), PhD, Sp: Crop Genomics, Genetic Diversity and Genebank Research; Fellow, German National Academy of Sciences, Leopoldina, FNAAS, Executive Director, *Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Corrensstr. 3, D-06466 Seeland OT Gatersleben, Germany* [Tel +49 (0) 39482-5219; Fax 39482-5500; Email graner@ipk-gatersleben.de; Web <http://www.ipk-gatersleben.de>].



**2018: GREWAL, Shiv IS** (b 1965), PhD, Sp: Epigenetics, Chromatin Modifications and RNA-mediated Chromatin Assembly Pathways; Fellow, US National Academy of Sciences, Fellow, American Academy of Arts and Sciences, NIH Distinguished Investigator, Chief of the Laboratory of Biochemistry and Molecular Biology, Head, *Chromosome Biology Section, National Cancer Institute, National Institutes of Health, Bethesda, MD, 20892, USA*; National Institute of Health, 9000 Rockville Pike, Building 37, Room 6068, Bethesda, MD 20892 [Tel (240) 760-7553 (O); Email shiv.grewal@nih.gov; Web <https://ccr.cancer.gov/Laboratory-of-Biochemistry-and-Molecular-Biology/shiv-grewal>].



**1991: GROS, François** (b 1925), PhD, Sp: Molecular & Developmental Biology; FTWAS, Hon Sc, Am Acad Arts & Sc, Acad. of Med Sciences (UK), Acad Roy de Belgique, Acad Athens, Academy of Russia, Acad Nazdelle Scienze (Ital), (Hon) Permanent Secretary, *Institut de France, Académie des Sciences, 23 Quai de Conti 75006 Paris (France)*; Hon Director General, Pasteur Institute, 25 Rue Du Docteur Roux, F 75724, Paris; formerly Science Adviser to Prime Minister; formerly Professor of Cell Biochemistry, Collège de France; 102, Rue de la Tour 75116 Paris (France) [Tel (331-44) 414-557 (O); Fax 414-374; Email francois.gros@academie-sciences.fr]; **Medal:** JL Nehru Birth Centenary (1999).



**2008: GROSS, David J** (b 1941), PhD, NL, Sp: String Theory; Chancellor's Chair Professor of Theoretical Physics, *Kavli Institute for Theoretical Physics, University of California at Santa Barbara, CA 93106-4030, USA*





**2011: HACKER, Jorg Hinrich** (*b* 1952), Prof Dr Dr h.c.mult.; Sp: Analysis of the Molecular Biology and Evolution of Pathogenicity Factors, Analysis of the Spread and Variability of Pathogenic Microorganisms, Study of the Interactions between Microbes and Host Cells; Member, Göttingen Academy of Sciences and Humanities, Member, EMBO, Member, Bavarian Academy of Sciences and Humanities, Member, Berlin Brandenburg Academy of Science and Humanities, Member, European Academy of Sciences and Arts, Salzburg, Fellow, Am Acad Microbiology, Fellow, Sackler Institute for Advanced Studies, Israel and Foreign Member of the Max Planck Society; President, *German National Academy of Sciences Leopoldina, Jägerberg 1, 06108 Halle/Saale* [Tel +49 (0345) 47239-910; Fax +49 (0345) 47239-919; Email joerg.hacker@leopoldina.org].



**1984: HOFFMANN, Roald** (*b* 1937), PhD, Sp: Chemistry; Fellow, NAS (USA), Am Acad Art Sc, Frank HT Rhodes Professor of Humane Letters and Chemistry, Emeritus, *Dept. of Chemistry, Cornell University, Baker Laboratory, Ithaca New York 14853-1301, USA* [Tel (607) 255-3419 (O); Fax 255-5707; Email rh34@cornell.edu].



**2012: HOHN, Barbara** (*b* 1939), PhD, Sp: Biology of *Agrobacterium tumefaciens*, Genetic Stability/Flexibility of Plant Genomes; Foreign Member, Royal Society, Member, Austrian Academy of Sciences, Member, EMBO, Plant Molecular Biologist & Professor, *Friedrich Miescher Institute for Biomedical Research, Maulbeerstrasse 66, CH-4058, Basel Switzerland*; Hangstrasse 35, CH-4144 Arlesheim, Switzerland [Tel +41 61 701 7502 (R); Email hohnba1@fmi.ch].



**1988: HOPWOOD, Sir David (Alan)** (*b* 1933), PhD, DSc, Sp: Genetics of *Streptomyces*; FRS, Hon Mem, Hung Acad Sc, Emeritus Professor of Genetics, University of East Anglia, Norwich & Emeritus Fellow, *Department of Molecular Microbiology, John Innes Centre, Norwich Research Park, Colney, Norwich NR4 7UH, UK*; 244 Unthank Road, Norwich, NR2 2AH, UK [Tel (44-1603) 450-000; Fax 450-018; Email david.hopwood@jic.ac.uk; Web <http://www.jic.ac.uk/staff/david-hopwood>].



**2014: HUBER, Robert** (*b* 1937), PhD, NL, Sp: Structural Biology; FMRS, FRS, Fellow, National Academy of Sciences, Leopoldina, Germany and American Academy of Microbiology, Member, Deutsche Chemische Gesellschaft, Gesellschaft für Biologische Chemie, EMBO, Bayerische Akademie der Wissenschaften, Deutsche Akademie der Naturforscher, Leopoldina, European Academy of Arts, Science and Humanities, Accademia Nazionale dei Lincei, Rome and Orden Pour le Mérite für Wissenschaften und Künste, Research Professor Emeritus, *Max-Planck Institute for Biochemistry, AM Klopferspitz 18, D-82152 Martinsried, Germany* [Tel 0049-89-8578-2677 (O); Fax 8578-3516; Email huber@biochem.mpg.de].

**2018: JAGADISH, Chennupati** (*b* 1957), PhD, Sp: Optoelectronics, Nanotechnology and Materials Science; FAA, FTSE, FTWAS, FASc, FNAE, Distinguished Professor and Head of Semiconductor Optoelectronics and Nanotechnology Group, *Department of Electronics Materials Engineering, Research School of Physics, Australian National University, Canberra, ACT2601, Australia* [Tel +61 (2) 6125-0363 (O); Fax 6125-0511; Email [chennupati.jagadish@anu.edu.au](mailto:chennupati.jagadish@anu.edu.au)].



**2015: JAIN, Rakesh Kumar** (*b* 1950), PhD, Sp: Bioengineering, Tumor Biology, Drug Delivery, In Vivo Imaging; Founding Fellow, American Institute for Medical and Biological Engineering, Member, National Academy of Medicine, National Academy of Engineering, American Academy of Arts and Sciences, National Academy of Sciences, Laureate, National Medal of Science, Andrew Werk Cook Professor of Radiation Oncology (Tumor Biology), Director, *Edwin L. Steele Laboratory for Tumor Biology, Department of Radiation Oncology, Affiliated Faculty, Harvard-MIT Division of Health Sciences and Technology, Harvard Medical School and Massachusetts General Hospital, 100 Blossom Street, Cox 7, Boston, MA 02114, USA* [Tel (+1) (617) 726-4083 (O); Fax 724-1819; Email [jain@steele.mgh.harvard.edu](mailto:jain@steele.mgh.harvard.edu); Web <http://steele.mgh.harvard.edu>].



**1996: JORTNER, Joshua** (*b* 1933), PhD Sc (*bc*), Sp: Chemical Physics, Solid State Physics; Academies, Nat-Israel Acad Sc and Humanities, International-Acad Quantum Molecular Sc, Am Phil Soc, R Danish Acad Sc and Letters, Am Acad Arts and Sc, Polish Acad Sc, Romanian Acad Sc, European Acad Sc and Arts, Nat Acad Sc (USA), Russian Acad Sc, Leopoldina Acad Sc, Royal Netherlands Acad Arts Sci, Learned Society of the Czech Republic, Chemical Research Society of India; formerly President, Israel Acad Sc and Humanities, Past President IUPAC, *School of Chemistry, Raymond and Beverly Sackler Faculty of Exact Sciences, Tel Aviv University, Tel Aviv 69978, Israel* [Tel (972) 3-640-8322; Fax (972) 3-641-5054; Email [jortner@post.tau.ac.il](mailto:jortner@post.tau.ac.il); Web [www.tau.ac.il/chemistry/jortner](http://www.tau.ac.il/chemistry/jortner)].



**2014: KAILATH, Thomas** (*b* 1935), ScD, Sp: Information Systems (Communications, Control, Computing, Signal Processing); FASc, FNASc, FNAE, FTWAS, Member, US National Academy of Sciences, US National Academy of Engineering and American Academy of Arts and Sciences, Foreign Member, Royal Society of London, Royal Spanish Academy of Engineering, Hitachi America Professor of Engineering, Emeritus, Information Systems Laboratory, Department of Electrical Engineering, Stanford, CA 94305-9510, USA; *346 Greenoaks, Dr Atherton, CA 94027-2116* [Tel (001-650) 494-9401 (O); Email [kailath@stanford.edu](mailto:kailath@stanford.edu), [profkailath@yahoo.com](mailto:profkailath@yahoo.com); Web [www.stanford.edu/~tkailath](http://www.stanford.edu/~tkailath)].



**2013: KLEINER, Matthias** (*b* 1955), PhD, Sp: Material Science and Material Processing Modeling, Simulation and Control, Production Engineering, Lightweight Construction; Full Professor IUL TU Dortmund, Fellow, German National Acad. Leopoldina, Fellow, Berlin-Brandenburg Acad. Science, Fellow, Acatech – National Acad. Engineering, Fellow, Acad. Europea, Fellow, Europ. Acad. Sciences and Arts, Fellow, Swiss Acad. Tech. Sciences, Fellow, CIRP-Intern. Acad. Prod. Engineering; Chair, Global Learning Council; President, German Research Foundation (DFG) (2007-2012), Member of the Scientific Council of the European Research Council (ERC) (2012-2016); President, *Leibniz Association, Chausseestraße 111, D-10115 Berlin, Germany* [Tel +49 30 206049-400, Fax +49 30 206049-155; Email [matthias.kleiner@leibniz-gemeinschaft.de](mailto:matthias.kleiner@leibniz-gemeinschaft.de); Web [www.leibniz-association.eu](http://www.leibniz-association.eu)].





**1998: LEE, Yuan T** (*b* 1936), PhD, NL, Sp: Physical Chemistry (Chemical Dynamics & Photo Chemistry); Foreign Member, National Academy of Sciences, Royal Swedish Academy of Engineering Sciences, Bangladesh Academy of Sciences, Honorary Foreign Member, The Korean Academy of Science and Technology, Honorary Member, Chemical Research Society of India, The Japan Academy, The Hungarian Academy of Sciences, Science Council of Japan; External Member, Max Planck Institute fur Stromungsforschung; Corresponding Member, Gottingen Academy of Sciences; Fellow, American Academy of Arts and Science, Third World Academy of Sciences, Honorary Fellow, RIKEN of Japan; Academician, Academia Sinica; Pontifical Academy of Sciences; President Emeritus and Distinguished Research Fellow, Academia Sinica; Immediate Past President of ICSU; *Genomic Research Center, Academia Sinica, 7th Floor, 128, Section 2, Academia Road, Nankang, Taipei 115, Taiwan* [Tel (886-2) 2789-8802; Fax 2789-8801; Email ytlee@gate.sinica.edu.tw]; **Medal:** JL Nehru Birth Centenary (2004).



**2011: LEGGETT, Anthony James** (*b* 1938), PhD, NL, Sp: Condensed Matter Physics, particularly High Temperature Superconductivity, Superfluidity and Foundations of Quantum Mechanics; Member, National Academy of Sciences, USA, Member, American Philosophical Society, Member, American Academy of Arts and Sciences, Foreign Member, Russian Academy of Science, Fellow, Royal Society, UK, Fellow, Institute of Physics, Fellow, American Physical Society and Honorary Fellow, Institute of Physics, Professor of Physics, *John D and Catherine T MacArthur Professor of Physics (Emeritus), University of Illinois, Urbana-Champaign, Urbana, Illinois, USA* [Tel +1 (217) 333-2077; Fax 333-9819; Email aleggett@illinois.edu].



**2010: LEY, Steven V** (*b* 1945), Sp: Organic Chemistry; FRS, Fellow, Acad Medical Sci, UK; Professor, *Department of Chemistry, Cambridge University, Lensfield Road, Cambridge CB2 1EW* [Tel (01223) 336-398; Fax 336-442; Email svl1000@cam.ac.uk].



**1999: LLEWELLYN SMITH, Christopher Hubert** (*b* 1942), DPhil (Oxon), Sp: Theoretical Particle Physics, Energy Technologies and Policy; FRS, Academia Europea, *Oxford University, Theoretical Physics, Clarendon Laboratory, Parks Road, Oxford OX1 3PU, UK* [Tel 44 (0) 1865-273997; Email c.llewellyn-smith@physics.ox.ac.uk].



**2018: MAINI, Philip Kumar** (*b* 1959), DPhil (Oxon), Sp: Mathematical Biology; FRS, FMedSci, Statutory Professor of Mathematical Biology, Director, *Wolfson Centre for Mathematical Biology, Mathematical Institute, University of Oxford, Andrew Wiles Building, Radcliffe Observatory Quarter, Woodstock Road, Oxford OX2 6GG, UK* [Tel +44 (1865) 280-497, 283-889 (O), 864-352 (R), +44 (0) 75-052-23670 (M); Email maini@maths.ox.ac.uk].

**1986: McKENZIE, Dan Peter** (b 1942), PhD, DSc (*hc*), Sp: Earth & Planetary Sciences; FRS, Nat Acad Sc (USA), Member of the Companions of Honour (CH), Emeritus Professor of Earth Sciences, *Department of Earth Sciences, Bullard Laboratories, Cambridge Univ, Madingley Road, Cambridge CB3 0EZ UK* [Tel (44-1223) 337-177 (O); Fax 360-779; Email [mckenzie@madingley.org](mailto:mckenzie@madingley.org)].



**1990: MITCHISON, Nicholas Avrion** (b 1928), DPhil, Hon MD, Sp: Immunology; *Department of Immunology, UCL Medical School Windeyer Building, Cleveland Street, London WC1P 6DB* [Tel +44-(0) 20-7679-9337; Fax +44-(0) 20-7679-9357; Email [n.mitchison@ucl.ac.uk](mailto:n.mitchison@ucl.ac.uk)].



**1983: MIYAKE, Saburo** (b 1924), Dr of Science, Sp: Cosmic Rays; Hon Fellow, TIFR and Foreign Fellow, Nat Acad Sc India, Professor Emeritus, Kanagawa University; University of Tokyo, Osaka City University; *6-16-3 Mukougaoaka Uenoshiba Sakai-shi, Osaka, 543, Japan* [Tel (0722) 781-606 (R); Email [miyake@alpha.sci.osaka-cu.ac.jp](mailto:miyake@alpha.sci.osaka-cu.ac.jp)].



**2022: MUKAMEL, Shaul** (b 1948), PhD, Sp: Theoretical Chemical Physics, Fellow, National Academy of Science, USA, Mem, American Academy of Arts & Science, American Association for the Advancement of Science, Distinguished Professor of Chemistry and of Physics and Astronomy, *University of California, Irvine, Department of Chemistry-1102 Natural Sciences II, Irvine, CA 92697-2025* [Tel (+1) (949) 824-7600; Fax 824-8571; Email [smukamel@uci.edu](mailto:smukamel@uci.edu); Web <http://mukamel.muk.ps.uci.edu>]



**2010: MÜLLER, Achim** (b 1938), Sp: Inorganic Chemistry; Professor, *Faculty of Chemistry, University of Bielefeld, Postfach 10 01 31, 33501 Bielefeld, Germany* [Tel +49 (0) 5231 21706 (M); Fax +49 (0) 5231 21705; Mob 01725220891; Email [a.mueller@uni-bielefeld.de](mailto:a.mueller@uni-bielefeld.de)].



**1980: NOSSAL, Sir Gustav Joseph Victor** (b 1931), AC, CBE, MBBS, PhD (Melb), MD (*hc*), DSc (*hc*), LLD (*hc*), Sp: Medical Biology and Immunology; FRCP, FRACP, FRCPA, FRACOG (Hon), FRCPATH, FRACGP, FRSE, FTSE, FAA, FRS, Consultant, World Health Organization and Bill and Melinda Gates Foundation; formerly Director, The Walter and Eliza Hall Institute of Med Res and Professor of Med Biology, The University of Melbourne, *Department of Pathology, The University of Melbourne, Parkville, Victoria 3010, Australia* [Tel (+61-3) 9853-8256; Email [gnossal@bigpond.net.au](mailto:gnossal@bigpond.net.au)].





**2011: OGAWA, Seiji** (*b* 1934), PhD, Sp: Functional MRI; Member, National Academy of Sciences, USA, Member, National Academy of Medicine, Honorary Member, Japanese Society of Magnetic Resonance in Medicine, Honorary Member, Japanese Society of Nuclear Magnetic Resonance, Honorary Member, National Magnetic Resonance Society of India and Fellow, International Society for Magnetic Resonance in Medicine, Director, *Ogawa Laboratories for Brain Functions Research, Hamano Life Science Research Foundation, Tokyo, Japan* [Tel +81 3 5919 3992 (O), +81 467 31 4350 (R); Fax 81 (0)3 5919 3993; Email [ogawa@hlsrf.or.jp](mailto:ogawa@hlsrf.or.jp)].



**2001: O'NIONS, Robert Keith** (*b* 1944), Director General, *Science and Innovation, Department for Innovation, Universities and Skills, 1 Victoria St., London, SW1H 0ET, UK* and *Department of Earth Sciences, University of Oxford, OX1 3PR, UK* [Tel (+44) 207-215-3803; Email [keith.onions@dius.gsi.gov.uk](mailto:keith.onions@dius.gsi.gov.uk)].



**2009: PALIS, Jacob Jr** (*b* 1940), PhD, Sp: Mathematics: Dynamical Systems, Their Stability and Scenarios to Chaos; President, Academy of Sciences for Developing World (TWAS), Vice-President Brazil Academy of Sciences, Member, Chinese Academy of Sciences, European Academy of Sciences and Norwegian Academy of Sciences, Foreign-Member, Mexican Academy of Sciences, French Academy of Sciences and US National Academy of Sciences, *Estrada Dona Castorina, 110 Rio de Janeiro-Brazil 22460-32* [Tel (+55 21) 2529-5136; Fax 2512-4115; Email [jpalis@impa.br](mailto:jpalis@impa.br)].



**1994: PASCAL, Jean Pierre** (*b* 1944), DSc, Sp: Forest Ecology, Biodiversity, Biogeography; FNASc, formerly Director of Research, National Centre for Scientific Research; *43, Avenue Rockefeller, 69003, Lyon, France* [Tel (33) (0) 96708-8344 (R); Email [andree.pascal@yahoo.fr](mailto:andree.pascal@yahoo.fr)].



**1982: PATEL, Chandra Kumar Naranbhai** (*b* 1938), PhD, ScD (*hc*), Sp: Laser, Quantum Electronics, Defense and Homeland Security Optoelectronics; FASc, NAS (USA), NAE (USA), Am Acad Arts & Sc., Recipient US National Medal of Science; Past President, Am Phys Soc., Sigma Xi, President, CEO and Chairman of the Bd., Pranalytica, Inc., 1101 Colorado Avenue, Santa Monica, CA 90401-3009, USA, Professor, Department of Physics & Astronomy, UCLA, USA; *1171 Roberto Lane, Los Angeles, CA 90077, USA* [Tel (310) 458-3345 (O), 614-7390 (R); Fax 458-0171; Email [patel@pranalytica.com](mailto:patel@pranalytica.com)].



**2019: PAYNE, Sir David Neil** (*b* 1944), PhD, Sp: Photonics, Optoelectronics (Communication Engineering); FRS, FREng, FNAE, Marconi Fellow, Foreign Fellow, Russian Academy of Sciences, Norwegian Academy of Sciences, Director, *Optoelectronics Research Centre / Zepher Institute, University of Southampton, Southampton, SO17 1BJ, UK*; 13 Sylvan Lane, Hamble, Southampton SO31 4QG, UK [Tel (44-23) 8059-3583, 8059-3142; Email [dnp@soton.ac.uk](mailto:dnp@soton.ac.uk)].

**1991: PEACOCK, William James** (b 1937), AC, PhD, DSc Ag (*hc*), DSc (*hc*); Sp: Plant Molecular Biology, Crop Improvement; FAA, FRS, FAIAST, FTSE, Foreign Assoc, Nat Acad Sc (USA), Chief Scientist Australian Government (2006-2008), President, Australian Academy of Science (2002-2006), CSIRO Fellow and Distinguished Professor, *University of Technology Sydney, CSIRO Agriculture, GPO Box 1600, Canberra ACT 2601, Australia* [Tel (61-2) 6246-5250 (O), 6281-4485 (R); Fax 6246-4866; Email jim.peacock@csiro.au].



**2011: PISIER, Gilles Jean Georges** (b 1950), PhD, Sp: Functional Analysis, Probability, Harmonic Analysis, Operator Theory, C\*-Algebras; Elected Membre Correspondant, Académie des Sciences de Paris, Elected Académico Correspondiente, Real Academia de Zaragoza, Elected Membre, Académie des Sciences de Paris, Elected Foreign Member, Polish Academy of Science, Emeritus Professor, *Sorbonne Université, Paris, France*, Distinguished Professor at Texas A&M University, Texas [Tel 001 979 845-7278; Email pisier@math.tamu.edu, gilles.pisier@imj-prg.fr].



**1994: PLATONOV, Vladimir Petrovich** (b 1939), PhD, Sp: Algebraic Groups and Algebraic Number Theory; Academician, Russian Academy of Sciences, National Academy of Sciences of Belarus, *Chief Scientist of the Scientific Research Institute for System Analysis of the Russian Academy of Sciences, Nabimovskii Prospect, 36, Building 1, Moscow 117 218, Russia* [Email platonov@niisi.ras.ru].



**2011: POLANYI, JC** (b 1928), PhD, NL, Sp: Molecular Reaction Dynamics; Member, Queen's Privy Council for Canada, Fellow, Royal Society, Canada; Fellow, Royal Society, London, Fellow, Royal Society, Edinburgh, Fellow, American Academy of Arts and Sciences, Fellow, US National Academy of Sciences, Fellow, Pontifical Academy of Rome and Fellow, Russian Academy of Sciences; University Professor, *Department of Chemistry, University of Toronto, Toronto, Canada* [Tel +1-416-978-3580; Fax 416-978-7580; Email jpolanyi@chem.utoronto.ca].



**2008: PURCELL, Robert Harry** (b 1935), formerly Chief, Hepatitis Viruses Section, Laboratory of Infectious Diseases, 50 South Drive, Bldg 50, Rm 6535, National Institute for Allergy and Infectious Diseases, *National Institutes of Health, Bethesda, MD, 20892-8009, USA* [Tel (301) 496-5090; Fax 402-0524].



**2017: QADRI, Firdausi** (b 1951), PhD, Sp: Biochemistry, Immunology, Vaccine Research; FTWAS, Fellow, Bangladesh Academy of Sciences; Fellow, American Academy of Microbiology; Senior Director, *Infectious Diseases Division* and Head, *Mucosal Immunology and Vaccinology Unit, ICDDR, b, 68, Shaheed Tajuddin Ahmed Sarani, Mohakhali, Dhaka 1212*; House-48, Road-9, Block-B, Bashundhara R/A, Dhaka 1212 [Tel +880 (02) 982-7035/32 (O); Fax 982-7077; Email fqadri@icddr.org].





**2009: RAM MURTY, Maruti** (*b* 1953), PhD, Sp: Number Theory; Fellow Royal Society of Canada, American Mathematical Society, Canadian Mathematical Society, Fields Institute Fellow, Simons Fellow; *Department of Mathematics, Jeffery Hall, Queen's University, Kingston, Ontario, K7L 3N6, Canada*; Suite 1006, 5 Gore Street, Kingston, Ontario, K7L0A1, Canada [Tel 613-533-2413 (O), 613-548-4381 (R); Fax 613-533-2964].



**2009: RAMAKRISHNAN, Venkatraman** (*b* 1952), PhD, FRS, Sp: Structural Biology, Molecular Biology; Member, National Academy of Sciences (USA); Nobel Prize (2009), President, Royal Society; *MRC Laboratory of Molecular Biology, Cambridge, CB2 0QH, England* [Tel + 44(0) 1223 402 214; Email ramak@mrc-lmb.cam.ac.uk]; **Medal:** J.L. Nehru Birth Centenary (2016).



**2022: RAMESH, Ramamoorthy** (*b* 1960), PhD, Sp: Condensed Matter Physics, Materials Science, Fellow, National Academy of Engineering, USA, FRS, Purnendu Chatterjee Professor, *Department of Physics and Department of Materials Science & Engineering, University of California, Berkeley, CA 94720*; 219 Hearst Mining Building, University of California, Berkeley, CA 94720 [Tel (+1) (510) 642-2347; Fax 643-5792; Email rramesh@berkeley.edu].



**1992: RAMSAY, John Graham** (*b* 1931), DSc (Lond), PhD (Lond), Dr. (*hc*) Univ. Rennes, France, FRS, CBE, Hon Professor of Geology, Department of Earth Sciences, University of Cardiff; Emeritus Professor of Geology, *Geologisches Institute, ETH Zentrum, CH-8092, Zurich, Switzerland*; *2nd address-Cratoule, Issirac, F-30760, St Julien de Peyrolas, France* [Tel 33 4 66 82 32 28; France 04 66 823228; Email ramsay-dietrich@wanadoo.fr].



**1990: RAVEN, Peter H** (*b* 1936), PhD, DSc (*hc*), Sp: Systematic Botany, Evolution, Conservation; President Emeritus, *Missouri Botanical Garden, 17143 Hidden Valley Forest Drive, Wildwood, Missouri 63025, USA* [Tel (314) 577-9577 (O); (314) 302-1556 (M); Email peter.raven@mobot.org].



**2021: RAVISHANKARA, Akkihebbal Ramaiah** (*b* 1949), PhD, Sp: Atmospheric Chemistry; University Distinguished Professor, *Colorado State University, Fort Collins, CO 80523, USA*; Campus Mail 1872, Colorado State University, Fort Collins, CO 80523-1872, USA [Tel +1 970 491 2876, +1 720 938 1604 (M); Email a.r.ravishankara@coIostate.edu].



**1988: REDDY, Raj** (*b* 1937), BE (Civil Engg), MTech, PhD, DSc (*hc*), Sp: Human-Computer Interaction and Artificial Intelligence, Spoken Language Systems, Gigabit Networks, Universal Digital Libraries, and Distance Learning; Fellow, IEEE, Acoust Soc of Am, AAAI, Mem, Nat Acad Engg, Am Acad Arts & Sc, *University Professor of Computer Science and Robotics, Carnegie Mellon University, 5325, Wean Hall, Pittsburgh, Pa 15217, USA* [Tel (412) 268-7170 (O), 268-2572 (R); Fax 683-5348; Email rr@cmu.edu].

**1993: REMBOLD, Heinz** (b 1928), Head (Retd) and Professor of Biochemistry, Max-Planck-Institute for Biochemistry, D-82152, Martinsried; *Luise-Kiesselbach-Platz 2, Münchenstift, Haus St. Josef, D-81377, München, Germany* [Telefax (+49 89) 723-9487; Email [heinz.rembold@web.de](mailto:heinz.rembold@web.de)].



**1989: RIMAN, Josef Vavrinec** (b 1925), MD, PhD, DSc (Chem), DSc (Biol, *hc*), Sp: Biochemistry & Molecular Biology of Retroviruses; Full Mem, Central European Acad Sc & Art, CS Acad Sc, Hon Mem, Hungarian Acad Sc, Biol Chem Soc, Foreign Mem, Bulgarian Acad Sc, Acad Sc USSR, Russian Acad Sc, Acad Sc GDR, GW Leibniz Soc, Germany, Leading Scientist, Director-Founder, Institute of Molecular Genetics (formerly President), Czechoslovak Academy of Sciences, Flemming n 2, Prague 6 16637, Czech Republic; *Neberovska St 18, 16000 Prague 6, Czech Republic* [Tel (00420) 23333- 5626 (R) (Czech Republic); Email [riman@img.cas.cz](mailto:riman@img.cas.cz)].



**2019: SACHDEV, Subir** (b 1961), PhD, Sp: Condensed Matter Theory; Fellow, US National Academy of Sciences, American Physical Society, Department Chair and the Herchel Smith Professor of Physics, *Department of Physics, Harvard University, Cambridge, MA 02138, USA* [Tel (617) 495-3923; Fax 496-2545; Email [sachdev@g.harvard.edu](mailto:sachdev@g.harvard.edu)].



**2018: SMITH, Peter** (b 1965), PhD, Sp: Climate Change Impacts and Mitigation Options in Agriculture, Land and Soils; FRS, FRSE, FRSB, Professor of Soils & Global Change, *Institute of Biological and Environmental Sciences, University of Aberdeen, 23 St Machar Drive, Aberdeen, AB24 3UU, Scotland, UK*; Moorlands Cottage, Hightown, Collieston, Ellon, AB41 8RS, Scotland [Tel +44 (1224) 272-702 (O), 79-564-57886 (M); Fax 272-703; Email [pete.smith@abdn.ac.uk](mailto:pete.smith@abdn.ac.uk); Web <https://www.abdn.ac.uk/people/pete.smith/>].



**2008: SREENIVASAN, Katepalli R** (b 1946), University Professor and Eugene Kleiner Chair for Innovation, Tandon School of Engineering, Physics Department, and the Courant Institute of Mathematical Sciences, New York University; *88, Starin Drive, Stamford, CT 06902, USA* [Email [katepalli.sreenivasan@nyu.edu](mailto:katepalli.sreenivasan@nyu.edu)].



**2013: SRIDHAR, Tamarapu** (b 1949), PhD, Sp: Chemical Engineering; Fellow, Aust Acad of Technological Sc & Engg, Fellow, Aust Acad Sc, Fellow, Institute of Chemical Engineers, UK, Sir John Monash Distinguished Professor Emeritus and former Dean of Engineering and Vice President (China and India Initiatives), *Monash University, Wellington Road, Clayton, Victoria 3800, Australia*; 77 Hilton Street, Mount Waverley, Victoria 3149, Australia [Tel (061) 417-010-796 (M); Email [tam.sridhar@eng.monash.edu.au](mailto:tam.sridhar@eng.monash.edu.au)].





**2017: STAROBINSKY, Alexei A** (b 1948), MS, PhD, Sp: Gravitation, Astrophysics & Cosmology; FNASc, Academician; Russian Academy of Sciences, International Member; US National Academy of Sciences; Member, German National Academy of Sciences, Leopoldina, Norwegian Acad Sc & Letters, Physicist, Principal Research Scientist, *Landau Institute for Theoretical Physics, Moscow 119334, Russia* [Tel 7 (495) 959-3198 (R), 7 (916) 597-5427 (M); Email [alstar@landau.ac.ru](mailto:alstar@landau.ac.ru)].



**2021: SUNYAEV, Rashid A** (b 1943), PhD, Sp: Theoretical Astrophysics, Cosmology, High Energy Astrophysics, X-ray Astronomy, Space Research; Professor of Astrophysics, *Max Planck Institute for Astrophysics, Kari-Schwarzschild-Str. 1, 85748 Garching, Germany* and *Space Research Institute (IKI) of Russian Academy of Sciences, 84/32 Profsoyuznaya Street, 117997, Moscow, Russia* [Tel 49/89 / 30000-2244; Fax 089 / 30000-2899; Email [sunyaev@mpa-garching.mpg.de](mailto:sunyaev@mpa-garching.mpg.de)].



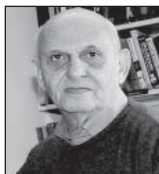
**2016: SUR, Mriganka** (b 1953), PhD, Sp: Neuroscience; FRS, FTWAS, FAAAS, FNASc, Newton Professor of Neuroscience, Director, *Simons Centre for the Social Brain, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, 43 Vassar Street, 46-6237, Cambridge, MA 02139, USA* [Tel (617) 253-8784 (O); Fax 253-9829; Email [msur@mit.edu](mailto:msur@mit.edu); Web <http://www.surlab.org>, <http://bcs.mit.edu/sur>, <http://scsb.mit.edu>].



**2014: SURESH, Subra** (b 1956), ScD, Sp: Mechanical Behaviour of Materials, Cell Biophysics and Human Diseases, Science and Academic Policy and Administration; FASc, FTWAS, FNAE, Fellow, American Academy of Arts and Sciences, Member, US National Academy of Sciences, National Academy of Sciences, National Academy of Medicine, German National Academy of Sciences, Spanish Royal Academy of Sciences, Royal Swedish Academy of Engineering Sciences, President, *Nanyang Technological University, 50 Nanyang Avenue, Administration Building, Singapore 639798*; formerly Director, US National Science Foundation [Tel (+65) 6592 2694 (O); Email [d-po@ntu.edu.sg](mailto:d-po@ntu.edu.sg)].



**2010: TAKEDA, Yoshifumi** (b 1935), MD, PhD, Sp: Bacterial Enteric Toxins and Diarrhoeal Diseases; Emeritus Member, National Institute of Infectious Diseases; *2-1-3 Nukukitamachi, Koganei, Tokyo 184-0015, Japan* [Email [takeda@noguchihideyo.or.jp](mailto:takeda@noguchihideyo.or.jp)].



**1978: TATA, Jamshed Rustom** (b 1930), D-es-Sc, Sp: Molecular and Developmental Biology, Endocrinology; FNASc, FTWAS, FRS, formerly Head, Department of Developmental Biochemistry, MRC Nat Institute of Med Res, Mill Hill, London NW7 IAA, UK; *15, Bittacy Park Avenue, London NW7 2HA, UK* [Tel (44-20) 8346-6291 (R); Email [jrtata134@clara.co.uk](mailto:jrtata134@clara.co.uk), [Jamshed.Tata@crick.ac.uk](mailto:Jamshed.Tata@crick.ac.uk)].

**2016: VALE, Ronald** (b 1959), PhD, Sp: Biophysics; FAAAS, Fellow, US National Academy of Sciences, Professor, Department of Cellular and Molecular Pharmacology, Investigator, Howard Hughes Medical Institute (HHMI), *The University of California, San Francisco, GH-N312E, MC 2200, 600 16th Street, San Francisco, CA, 94158-2517, USA* [Tel +1 (415) 476-6380 (O); Fax 476-5233; Email [vale@cmp.ucsf.edu](mailto:vale@cmp.ucsf.edu); Web <http://valelab.ucsf.edu>].



**2008: VARADHAN, SR Srinivasa** (b 1940), *Professor of Mathematics and Frank J Gould Professor of Science, Courant Institute of Mathematics, New York 10012, USA.*



**2005: VERMA, Inder M** (b 1947), PhD, Sp: Molecular Biology; American Cancer Society Professor of Molecular Biology, *1620 Valdes Dr, La Jolla, California, 92037* [Tel 858-551-7558, 858-967-9260 (M); Email [imohanv1@gmail.com](mailto:imohanv1@gmail.com)].



**1994: VIJH, Ashok Kumar** (b 1938), OC, CQ, KC StJ, PhD, LLD (*h.c.*), DSc (*h.c.*), Sp: Electrochemistry, Interfacial Materials Science; FRS, President, The Academy of Science of The Royal Society of Canada, FTWAS, European Acad Arts, Sc & Humanities, Nat Acad Sc, India, Academie Francophone d'Ingenieurs (Paris), Maitre De Recherche, *Institute de Recherched'Hydro-Quebec (IREQ), 1800 blvd. Lionel Boulet, Varennes Quebec, Canada, J3X 1S1; 291 De la Commune Ouest, # 45, Montreal, Qc, Canada, H2Y2E1* [Tel (450) 652-8234 (O), (514) 282-0408 (R); Fax (450) 652-8424; Email [ashok@ireq.ca](mailto:ashok@ireq.ca)].



**2001: WHITESIDES, George M** (b 1939), Sp: Organic and Physical Chemistry, Material Science, Biochemistry, Surface Science, Self-Assembly; Woodford L and Ann A Flowers University Professor, *Department of Chemistry, Harvard University, 12Oxford Street, Cambridge, MA 02138-2902, USA* [Tel (617) 495-9430 (O); Fax 495-9857; Email [gwhitesides@gmwingroup.harvard.edu](mailto:gwhitesides@gmwingroup.harvard.edu)].



**2009: WIESEL, Torsten** (b 1924), MD, NL, Sp: Neurobiology; Member, US National Academy of Sciences, Royal Swedish Academy of Sciences (Sweden), For Fellow of the Royal Society (UK), Recipient of the National Medal for Science (USA), Recipient of the order of Rising Sun, Grand Cordon (Japan), Nobel Prize in Physiology or Medicine (1981); Chair, Board of Governors, International Okinawa Institute of Science and Technology (2011-2017), Co-Chair (2002-2010); Professor & President Emeritus, *The Rockefeller University, 1230 York Avenue, New York, NY 10065*; formerly Secretary General, the International Human Frontier Science Programme Organization, France [Tel +1 (212) 327-7093 (O); Email [wiesel@rockefeller.edu](mailto:wiesel@rockefeller.edu)].





**1991: WOLFENDALE, Sir Arnold** (*b* 1927), PhD, DSc (*hc*), Sp: Cosmic Radiation, Cosmic Ray Muons and Neutrinos, Gamma Ray Astronomy, High Energy Astrophysics, Climate Science; FRAS, FRS, For Fellow, Nat Acad Sc, India, R Soc S A, 14th Astronomer Royal; formerly President, European Physical Soc, Institute of Physics and Royal Astronomical Society; Professor of Physics, R Institution of Great Britain; Emeritus Professor, *Department of Physics, University of Durham, Rochester Building, Science Laboratories, South Road, Durham, DH1 3LE, England* [Tel+44(0)191 334-3580 (O), 384-5642 (R); Fax 334-5823; Email [a.w.wolfendale@durham.ac.uk](mailto:a.w.wolfendale@durham.ac.uk)]; **Medal:** INSA-Vainu Bappu Memorial (2013)



**2017: WOLYNES, Peter Guy** (*b* 1953), PhD, Sp: Theoretical Chemistry, Chemical Physics, Theoretical Biophysics; Fellow, American Physical Society, Fellow, American Academy of Arts and Sciences, Fellow, American Association for the Advancement of Science; Member, National Academy of Sciences, USA, German National Academy of Sciences, Leopoldina, American Philosophical Society, Foreign Member, Royal Society of London, D.R. Bullard-Welch Foundation Professor of Science, *Rice University, Center for Theoretical Biological Physics-BRC, 6100 Main Street, MS 654, Houston, TX 77005, USA* [Tel (713) 348-4101 (O); Email [pwolynes@rice.edu](mailto:pwolynes@rice.edu)].



**1990: WÜTHRICH, Kurt** (*b* 1938), DPhil, DPhil (*hc*), D Med (*hc*), D Chem (*hc*), D Sci (*hc*), Dr (*hc*), NL, Sp: Structural Biology, Structural Genomics, NMR Spectroscopy; Deutsche Akademie der Naturforscher Leopoldina, Academia Europae, For Assoc, Nat Acad Sc, USA, Latvian Acad. Sc., Nordrhein–Westfälische Akademie der Wissenschaften, Korean Acad Sc and Technology, Hon Fellow, Nat Acad Sc, India, The Royal Society of Chemistry, UK, The Royal Society of Edinburgh, UK, For Hon Mem, Am Acad Arts & Sc, Associé Etranger, Académie des Sciences Institut de France, Hon Mem Schweizerische Akademie der Technischen Wissenschaften, Hungarian Acad Sc, World Acad of Young Scientists, European Acad of Sc and Arts, Foreign Member, The Royal Society, UK, Corresponding Mem, Academia Brasileira de Ciências, Professor of Biophysics, *Institute of Molecular Biology & Biophysics, ETH, Zurich, CH-8093 Zurich, Switzerland* [Tel (+41-44) 633-2473 (O); Fax (+41-44) 633-1151; Email [wuthrich@mol.biol.ethz.ch](mailto:wuthrich@mol.biol.ethz.ch)]; Professor of Structural Biology, Scripps Research, 10550 North Torrey Pines Road, La Jolla, CA 920379, USA [Tel (+1-858) 784-801; Fax 784-8014; Email [wuthrich@scripps.edu](mailto:wuthrich@scripps.edu)].



**1991: WYLLIE, Peter John** (*b* 1930), PhD, DSc (*hc*), Sp: Experimental Petrology, Subduction, Granites, Kimberlites, Carbonatites; FRS, Foreign Assoc, NAS (USA), Fellow, Am Acad Arts & Sc, For Fellow, Nat Acad Sc, India, For Mem, Russian Acad Sci, Chinese Acad Sci, Academia Europea, Honorary Member of Mineralogical Soc of Great Britain and Ireland, Mineralogical Soc of Russia; Indian Geophysical Union, German Geological Society; Honorary Fellow of the International Union of Geodesy and Geophysics and Corresponding Fellow of Edinburgh Geological Society, Professor of Geology (Emeritus), *Division of Geological & Planetary Sciences, The California Institute of Technology, Pasadena, CA 91125, USA* [Email [wyllic@gps.caltech.edu](mailto:wyllic@gps.caltech.edu); Web <http://www.gps.caltech.edu/content/peter-j-wyllie>].



**2010: YANG, Huanming** (*b* 1952), PhD, Sp: Genomics; Professor & Chairman, *BGI-Shenzhen, Beishan Industrial Zone, Yantian District, Shenzhen 518083, China* [Tel (86-0755) 3630-7888 (O); Fax 3630-7273].

## PRAVASI FELLOWS

**2015: CHAKRAVARTI, Aravinda** (b 1954), PhD, Sp: Human Molecular Genetics, Genetic Medicine; FASc, Director & Professor of Medicine, Pediatrics, Molecular Biology & Genetics, *Centre for Complex Disease Genomics, McKusick-Nathans Institute of Genetic Medicine, Johns Hopkins University School of Medicine, Miller Research Building, Room 579, 733 North Broadway, Baltimore, MD 21205, USA* [Tel (+1) (410) 502-7525 (O); Fax 502-7544; Email achakra1@jhmi.edu, aravinda@jhmi.edu].



**2015: KAMAT, Prashant Vasudev** (b 1953), PhD, Sp: Physical Chemistry, Nanoscience, Renewable Energy; Fellow, American Association for the Advancement of Science, Faculty, John A Zahm Professor of Science, *Department of Chemistry and Biochemistry, 223B Radiation Laboratory, University of Notre Dame, Notre Dame, IN 46556, USA*; 17116 Springwood Drive, Granger, IN 46530 [Tel (+1) (574) 631-5411 (O); Fax 631-8068; Email pkamat@nd.edu; Web <http://www.nd.edu/~kamatlab>].



**2016: PAULRAJ, Arogyaswami Joseph** (b 1944), PhD, Sp: Information Theory; Marconi Fellow, FNAE, FNASc, FASc, FTWAS, FIEEE, FAAAS, Member, US National Academy of Engineering, Emeritus Professor, *Department of Electrical Engineering, Stanford University, Stanford CA 94305, USA*; 821 Tolman Dr, Stanford CA 94305, USA [Tel +1 (650) 387-4553 (M); Email apaulraj@stanford.edu; Web <http://www.stanford.edu/~apaulraj/>].



**2016: SHARMA, Amit Prakash** (b 1968), PhD, Sp: Biochemistry, Biophysics, Parasitology, Microbiome; FNASc, FASc, FTWAS, JC Bose National Fellow, Group Leader, *Molecular Medicine, International Centre for Genetic Engineering and Biotechnology, Aruna Asaf Ali Marg, New Delhi 110067; C5/10, Vasant Kunj, New Delhi 110070* [Tel (011) 2674-1731 (O), 98-101-11336 (M); Fax 2674-1731; Email amit.icgeb@gmail.com] **Medal:** Professor GN Ramachandran 60th Birthday Comm. 2021; **Council:** 2022-.



## FELLOWS ELECTED 2021

*(Effective from 01 January 2022)*

**Athreya, Siva Ramachandran** (*b* 07.01.1971), PhD, Professor, Indian Statistical Institute, Bengaluru.

Professor Siva Athreya is a leading probabilist who has made very significant contributions to various areas of current interest in probability theory. These include - properties of measure-valued branching processes, martingale problems associated with interactive super-Brownian motion, strong existence and uniqueness for stable stochastic differential equations with distributional drift, invariance principle for random walks on trees. He has also made significant contributions in the interplay of probability theory with statistical physics and population biology.

**Bakhshi, Sameer** (*b* 13.09.1969), MD, Professor, Department of Medical Oncology, Dr BRA Institute Rotary Cancer Hospital, All India Institute of Medical Sciences, New Delhi.

Professor Bakhshi is a leading paediatric oncologist and has been running a bone marrow transplant program at AIIMS, New Delhi and his major research interest is in childhood leukemias, mainly acute lymphoblastic leukemia of B cell origin. His work on acute myeloid leukemia (AML) showed the role of proliferating and apoptotic markers in AML and revealed that inherited mitochondrial variations can have prognostic significance. He has also contributed immensely on retinoblastomas, bone tumours and sarcomas and has initiated and conducted number of clinical trials.

**Basak, Soumen** (*b* 15.12.1974), PhD, Staff Scientist VI, National Institute of Immunology, New Delhi.

Dr Basak has spearheaded the use of systems-modelling analysis to probe the molecular basis of key biological pathways in immune homeostasis, host-virus interactions and cancer deregulation. Importantly, he has made seminal contributions in understanding the cross-talk between distinct NF $\kappa$ B signalling pathways and their implications for inflammation in disease.

**Basu, Bikramjit** (*b* 15.09.1973), PhD, Professor, Materials Research Center, Indian Institute of Science, Bengaluru.

A path breaking work of Professor Basu is on the use of electric/ magnetic field stimulation of multifunctional biomaterials as an effective bioengineering strategy to modulate the cell functionality on engineered surfaces. The research of Professor Bikramjit Basu has led to development of new materials and technologies. The development of the piezo-bio composites with bone-mimicking functional properties, patient-specific biomedical prototypes for total hip joint replacement surgery, dental reconstruction/ restoration, cranioplasty, and urological applications are perceived as a paradigm shift at the frontiers of biomaterials science.

**Bhat, Navakanta** (*b* 29.04.1968), PhD, Professor and Chair, Centre for Nano Science and Engineering, Indian Institute of Science, Bengaluru.

Professor Navakanta Bhat has a long list of major contributions to electronic devices. This includes his work on sensors using novel materials such as electrochemical biosensors that led to a point of care diagnostic device (now the basis of a start-up) and highly sensitive gas detectors based on his own work on 2D devices. In device engineering, his major contributions are low resistance ohmic contacts for graphene and MoS<sub>2</sub> leading to 6X reduction of contact resistance, a process to enable high RF inductor performance in Zinc Ferrite, use of a buried channel transistor to generate high performance normally-off transistors for GaN, etc.

**Bhattacharyya, Aninda Jiban** (*b* 09.10.1968), PhD, Amrut Modi Chair Professor, Solid State and Structural Chemistry Unit, Division of Chemical Sciences, Indian Institute of Science, Bengaluru.

He has designed and tested many unique multifunctional materials controlling their length, time and energy scales systematically to modulate their applications in diverse electrochemical systems and processes of relevance to energy harvesting and high-performance energy storage devices.

**Chakraborty, Subhra** (*b* 25.09.1964), PhD, Director, National Institute of Plant Genome Research, New Delhi.

Dr Chakraborty is an leading expert is in the area of nutritional and stress genomics particularly in plants. She is recognized internationally for her proteomic discoveries with implications for biotic stress signaling. In addition, she has contributed immensely in translational research in relation to plant health and human nutrition, with about 100 publications in respected journals and with 18 international patents.

**Chandak, Giriraj Ratan** (*b* 07.06.1963), PhD, MD, Chief Scientist (Scientist G) and Professor, CSIR-Centre for Cellular and Molecular Biology (CSIR-CCMB), Hyderabad.

Dr GR Chandak has made outstanding contributions in understanding the genetic basis and gene-nutrient interaction in complex human genetic disorders. His studies have proved genetic basis of tropical calcific pancreatitis and mutational and genetic heterogeneity by identify novel genes and different spectrum of mutations in Indians. He has also provided evidence of novel genetic factors while establishing the role of various genes in complex diseases like type 2 diabetes between Indians and Europeans. He has also established causal role of micronutrients like B12 in the developmental programming of obesity and insulin resistance which predict future susceptibility to cardiometabolic syndrome.

**Chandra, Nagasuma** (*b* 16.05.1965), PhD, Professor, Department of Biochemistry, Indian Institute of Science, Bengaluru.

Professor Nagasuma Chandra has provided leadership to the development of systems biology research in India. Through integration of bioinformatics and structural biology into systems biology, and by devising novel algorithms she has made path-breaking contributions on understanding disease mechanisms and on reversing drug-resistance in MDR and XDR strains of Mycobacterium tuberculosis.

**Chandran Leela, Sunil** (*b* 22.04.1974), PhD, Professor, Department of Computer Science and Automation, Indian Institute of Science, Bengaluru.

Professor Sunil Chandran Leela is a leading expert on the geometric representation of graphs, including his recent work on representation of cubic graphs as the contact graph of axis-parallel rectangles. Professor Sunil Chandran's investigations of various aspects of the notion of boxicity of graphs, through several works spread over more than a decade and a half, have led to the development of important upper and lower bounding techniques; these have attracted new interest in this parameter. Professor Chandran-Leela is also well recognised for his several works connecting various parameters of graphs; these works address and make progress on some deep open problems in graphs theory, including the famous Hadwiger's conjecture.

**Chauhan, Manmohan Singh** (*b* 05.01.1960), PhD, Director, ICAR- Central Institute for Research on Goats, Mathura.

Dr Chauhan has made major contributions in the field of Reproductive Biotechnology of Livestock. Has developed several assisted reproductive technologies like, IVF, Ovum Pick-up, Stem-Cell and animal cloning for generating superior livestock. Produced many cloned buffalo-calves using hand guided cloning; the first and only person to practice that in India. This successful teamwork brought to him the prestigious Rafi Ahmad Kidwai award.

**Dhurandhar, Sanjeev Vishnu** (*b* 29.11.1951), PhD, Emeritus Professor, Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune.

Sanjeev Dhurandhar is a pioneer of gravitational wave research in India and has contributed outstandingly in this area in the last three decades. He and his group made original contribution to the development of foundational techniques and methods for extracting gravitational wave signals from gravitational wave detector data.

**Ehtesham, Nasreen Zafar** (*b* 28.03.1959), PhD, Director-in-Charge, National Institute of Pathology, Safdarjung Hospital Campus, New Delhi.

Dr Nasreen Zafar Ehtesham has made significant contributions in the areas of (A) Nutrition and metabolic disorders; (B) The intricate triangle of infection-inflammation and unfolded protein response (UPR), and (C) Understanding the pathogen that causes Tuberculosis (TB). While her work has been well cited in all these areas, her contributions in the area of Infection-inflammation and UPR can be considered outstanding. Her pioneering work conclusively showed that human resistin is functionally different from mouse resistin. This established the role of human resistin as a chaperone protein involved in UPR.

**Gahalaut, Vineet Kumar** (*b* 26.09.1966), PhD, Senior Principal Scientist, CSIR-National Geophysical Research Institute, Hyderabad.

Dr Vineet Gahalaut has been the key Indian contributor for sustained and large-scale GPS measurements towards quantifying the tectonic plate motions, studies on large earthquakes and the process of strain build-up along major plate boundaries and fault zones within and around India. His work has elucidated seismic hazard due to plate movements in the Himalaya, the Burmese arc and the Andaman subduction zone with novel results of inter-seismic locking of major faults. These form the basis of complete

understanding of the Sumatra 2004 earthquake. He also used crustal deformation arising from seasonal variation of water storage to monitor the impact of climate change on water resources.

**Govindarajan, Rama** (*b* 26.08.1962), PhD, Senior Professor and Dean Academic, International Centre for Theoretical Sciences, Tata Institute of Fundamental Research, Bengaluru.

Professor Rama Govindarajan has contributed over many different aspects of fluid mechanics, including the important fields of instabilities in viscous and stratified flows and the ubiquitous multiphase flows involving the dynamics of bubbles and drops in immiscible continuous medium in different regimes. She is a researcher par excellence in terms of depth, originality, creativity and the overall impact of her work. It is difficult to imagine the contemporary literature without her contributions.

**Hari, KVS** (*b* 10.05.1962), PhD, Professor, Department of ECE, Indian Institute of Science, Bengaluru.

Professor KVS Hari has seminal contributions to Multiple-Input-Multiple-Output (MIMO) communications, such as his classic work on root-MUSIC algorithm for Direction of Arrival estimation, his major role in the Stanford University Interim models for wireless channels that became a part of IEEE 802.16 standards, and his contributions to spatial modulation in MIMO systems, sparse signal processing, neuroscience, etc., which show his exceptional versatility.

**Kant, Rama** (*b* 18.01.1963), PhD, Professor, Department of Chemistry, University of Delhi, Delhi.

He is a pioneer in theoretical electrochemistry. He has developed phenomenological theories to provide an in-depth understanding of electric double layers, electrochemical response, and electrode kinetics of rough and fractal electrodes.

**Kolthur-Seetharam, Ullas** (*b* 30.07.1974), PhD, Professor, Department of Biological Sciences, Tata Institute of Fundamental Research, Mumbai.

Dr Ullas Kolthur used systems level approaches to dissect molecular machineries involved in metabolic sensing and maintenance of physiological homeostasis. These sensing mechanisms are derailed in several human diseases with diabetes, cancer, neurodegeneration being some examples. His research gives novel and deep insights on mitochondrial functions, cellular energy sensing and their crosstalk with nuclear gene expression. The implications for organismal physiology, metabolic and age-related diseases are clear.

**Kulkarni, Giridhar Udapi Rao** (*b* 22.07.1963), PhD, President, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru.

He has made pioneering contributions in the areas of Materials Chemistry covering mesoscale organizations of metal and semiconductor nanocrystals, direct-write patterning of nanomaterials, twisted graphene as well as fabrication of nanodevices. His unique approach has led to translation of lab-level inventions into demonstrable prototypes and realising technology leads.

**Kumar, Vinod** (*b* 14.11.1956), PhD, Professor, Department of Zoology, University of Delhi, Delhi.

Professor Vinod Kumar has contributed to the understanding of how in a shared ecological niche, a self-sustained timekeeping system sensitive to multiple environmental cues, enables individuals and

species to schedule their behavioral activities in the most profitable way. The fundamental concept that the endogenous circadian clock mediating seasonal responses in migratory birds is flexible to the photoperiod environment was conceptualized and experimentally proved in his laboratory.

**Maiti, Prabal Kumar** (*b* 25.03.1969), PhD, Professor, Department of Physics, Indian Institute of Science, Bengaluru.

For his pioneering contributions in understanding (i) the unusual translational and orientational dynamics of water confined in nanotubes/nanorings, (ii) DNA-based nanostructures, (iii) unzipping and melting of DNA strands, (iv) DNA packaging, (v) phase transition in surfactant bilayers and (vi) the structure of dendrimers, using novel techniques of computer simulations and analytical tools.

**Majumder, Gobinda** (*b* 26.02.1967), PhD, Professor (H), Tata Institute of Fundamental Research, Mumbai.

Dr Gobinda Majumder has played major roles to select and design the CMS electromagnetic calorimeter, essential in the discovery of Higgs boson in gamma-gamma channel and led the design and construction of the CMS outer hadron calorimeter at CERN. He has played a key role in SUSY searches and probing QCD predictions at LHC, heavy quark sector studies at CLEO and rare B-meson decays at BELLE. He developed the INO simulation and reconstruction program for the ICAL detector, used by the entire INO collaboration.

**Mallik, Roop** (*b* 02.03.1970), PhD, Professor, Department of Biosciences and Bioengineering, Indian Institute of Technology Bombay, Mumbai.

Professor Roop Mallik, an internationally highly recognized mechanobiologist, demonstrated how in cells opposite-directed motor proteins exert tug-of-war like forces. These biophysical forces coordinate intracellular cargo motions to guide cellular processes like phagosome trafficking to lysosomes or lipid vesicle movement within hepatocytes. His contributions are seminal, very unique in combining intensive biophysical and cell biology tools to address basic biology questions with high translational opportunities.

**Mandal, Prabhat** (*b* 01.11.1959), PhD, Professor (H), Condensed Matter Physics Division, Saha Institute of Nuclear Physics, Kolkata.

For high standard research in the field of transition metal oxides and topological systems. For building-up a world class laboratory for growing extremely good quality single crystal which is capable of producing high quality research as evident from the fact that many of his observations were for the first time and later reproduced by others.

**Mukherjee, Prasun Kumar** (*b* 18.10.1963), PhD, Scientific Officer H, Professor and, Head, Environmental Biotechnology Section, Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Mumbai.

Dr Mukherjee made seminal contributions in biocontrol of plant diseases by understanding the basic biology and genetics of *Trichoderma* spp. He discovered novel gene clusters for secondary metabolism in *Trichoderma* and developed formulations which are widely used in agriculture and biomass waste management.

**Parida, Swarup Kumar** (b 26.05.1979), PhD, Scientist IV, National Institute of Plant Genome Research, New Delhi.

Dr Swarup made outstanding research contributions in designing genetic markers and devising strategies for integrated genomics-assisted breeding for genetic improvement of rice and chickpea. His work has led to effective delineation of superior trait-associated genes and their alleles for producing high-yielding crop varieties. Two chickpea genotypes developed by him are in advanced stages of testing in All India trials of ICAR

**Patil, Nitin Tukaram** (b 22.05.1975), PhD, Associate Professor, Department of Chemistry, Indian Institute of Science Education and Research (IISER) Bhopal, Bhopal.

He has made outstanding contributions in gold catalyzed carbophilic activations and cross-coupling reactions. The methodologies developed by him are of importance in natural product synthesis and have promising applications in material science and biology.

**Prabhakaran, Dorairaj** (b 22.08.1961), MD, DM, Vice President (Research and Policy) and Director, Centre for Control of Chronic Conditions, Public Health Foundation of India, Gurgaon.

Dr Dorairaj Prabhakaran has made seminal contributions in the area of epidemiology of cardiovascular disease that helps in understanding and mitigating cardiovascular health issues in the community. His work relates to house hold clustering of chronic disease risk factors, which helps in understanding how different mechanisms both environmental and genetic can interact with each other to give rise to risk factors for non- communicable diseases. Beyond his scholarly contributions he has been an effective mentor having trained a large number of youngsters, and has also played an important role in science advocacy and in policy.

**Raghuram, Anantharam** (b 16.01.1971), PhD, Professor, Department of Mathematics, Indian Institute of Science, Education and Research, Pune.

Professor A Raghuram is a leading expert on the special values of automorphic L-functions. He has extensively used deep geometric methods from the cohomology of arithmetic groups, and analytic methods from the Langlands program, to give a cohomological interpretation to an analytic theory of L-functions, thus paving the way to study rationality properties of their special values. In his foundational work, in collaboration with Günter Harder, Raghuram systematically studied Eisenstein cohomology of locally symmetric spaces attached to  $GL(N)$  over a totally real number field, and applied this machinery to prove rationality results of special values of Rankin—Selberg L-functions. Raghuram has made important developments in the study of p-adic interpolation of L-values for  $GL(2n)$  to give a purely arithmetic proof of nonvanishing results for central L-values that are entirely in the realms of analytic number theory.

**Rao, Thota Narayana** (b 15.08.1969), PhD, Group Head, Clouds and Connective Systems Group (CCSG) and Scientist-SG, National Atmospheric Research Laboratory, Gadanki (Andhra Pradesh).

Dr TN Rao's research on rain microphysics and spatio-temporal variability of precipitating systems has revealed that evaporation and collision-coalescence processes during the descent of rain drop dictate their drop size distribution and thereby determine surface rain in arid and semi-arid regions. His research has direct application in improving estimates of precipitation using radar and satellite measurements. In a novel approach, he combined radar observations with isotopic analysis to explain puzzling short-term

variations of heavier isotopes in precipitation. Most importantly, he has led the indigenous development and establishment of UHF wind profiler and X-band dual-polarization radar at NARL.

**Saha-Dasgupta, Tanusri** (*b* 12.11.1966), PhD, Senior Professor and Dean (Academic), Department of Condensed Matter Physics and Materials Science, SN Bose National Centre for Basic Sciences, Kolkata.

Tanusri Saha-Dasgupta has developed a novel method of modeling and computation of electronic structure of complex functional compounds with strong correlation effects. This led to understanding of the complicated physical processes and in particular of the microscopic processes that come about from strong correlation effects coupling with system-specific degrees of freedom.

**Sharma, Dinesh Kumar** (*b* 02.05.1950), PhD, Adjunct Professor, EE Department, Indian Institute of Technology Bombay, Mumbai.

Professor Dinesh K Sharma has made outstanding contributions to teaching and research in electrical engineering over a distinguished career at IIT Bombay. In addition to his remarkable scientific and engineering contributions to the field of semiconductor devices, he has put his knowledge to practical use in a number of instances. Most notably so, as a technical expert for the development of electronic voting machines (EVM), which have a continuing impact on the ability to carry out successfully the mammoth exercise of conducting elections in the world's largest Democracy such as ours, with a high degree of trust among the people. This contribution makes his nomination particularly worthy of election in this special category.

**Singh, Inderjit** (*b* 24.12.1963), PhD, Professor, Department of Environmental Studies, University of Delhi, Delhi.

Professor Inderjit Singh has excelled in ingeniously dissecting the otherwise complex ecological process of plant invasions, into simple yet impressive principles. His work on invasion ecology stands out from the rest in: (a) formulating logical hypotheses to explain why some species are successful as invaders, and (b) testing these hypotheses by a range of experiments that stretch from *lab* to landscape. Using a combination of ecological and evolutionary theoretical framework, he has demonstrated that the plants that invade a new ecosystem do so by manipulating the soil microbiota and thence the biochemical niche that favors its establishment at the cost of native flora. Owing to the new path he has treaded in the field of invasion ecology, his work is globally recognized resulting in a wide range of collaboration across several countries.

**Singhal, Rekha Satishchandra** (*b* 07.02.1962), PhD, Professor of Food Technology and Dean (Research, Consultancy and Resource Mobilization), Institute of Chemical Technology, Mumbai.

Dr Singhal developed methods for supercritical fluid extraction of industrially important food constituents and new carbohydrate-based biomaterials from indigenous sources as import substitutes for fermentative production of biomolecules and additives in food processing. Her work on hydrocolloids to reduce oil uptake in deep fried foods has made a major impact on food industry.

**\*Srinivasan, Narayanaswamy** (b 01.04.1962), PhD, Professor and Chair, Molecular Biophysics Unit, Indian Institute of Science, Bengaluru.

Professor Srinivasan has contributed significantly to the development of new approaches to recognize 3-D structures, functions and interaction properties of proteins, and their applications in contexts of protein phosphorylation, infectious diseases. He has also worked on several projects with applied interests, for example, the repurposing of drugs to combat host-pathogen interactions.

**Sriram, Mayasandra Subrahmanya** (b 04.11.1950), PhD, Professor, Professor KV Sarma Research Foundation, Chennai.

Professor Sriram worked in Dept. of Theoretical Physics, University of Madras for about 30 years, getting interested in History of Science in the latter part of his tenure. Through a large number of scholarly volumes which serve as source of crucial, scientific information on the early development of Astronomy and Mathematics in India and various other publications in journals as well as invited articles in encyclopedias, Prof. Sriram has been able to bring to light, in an authentic manner, without an iota of hyperbole, some of the remarkable contributions made by Indians to Astronomy and Mathematics, which had remained only partially known, or totally unknown for long and for this reason he is highly suited for election under this special category.

**Tiwari, Virendra Mani** (b 05.11.1968), PhD, Director, CSIR- National Geophysical Research Institute, Hyderabad.

Dr VM Tiwari, using gravity and magnetic data has contributed to the understanding of crustal structure and geodynamics of the Indian lithosphere. His works on determination of effective elastic strength of Indian lithosphere, the extent of under-thrusting of Indian crust and crustal eclogitization under Himalayan collision zone, models on localization of large thrust earthquakes in Sunda-Andaman Subduction zone, and numerical simulations of present-day tectonic stress across Indian subcontinent have provided important insights on Indian lithospheric geodynamics. Using GRACE (Gravity Recovery and Climate Experiment) satellite data, he has made a pioneering contribution towards understanding of temporal and spatial variations of the water storage in Indo-Gangetic alluvial tract and demonstrated that it suffers from extreme water loss ascribed to over exploitation.

**Venkataraman, Chandra** (b 03.06.1963), PhD, Professor, Department of Chemical Engineering, Indian Institute of Technology Bombay, Mumbai.

Professor Venkatraman Chandra's contributions towards understanding aerosol processes within multi-scale atmospheric phenomena are widely acclaimed. Her research combined with experimental studies of polluting particles, data-driven energy-emission modelling, and atmospheric model simulations have changed conventional concepts on the origin of atmospheric absorption over South Asia. Her work on the origin of black carbon emissions in India led to the development of an Indian emissions inventory for the assessment of air pollution and climate change. She provided compelling evidence for aerosol influences on rainfall suppression and heat-wave enhancement in the Indian region.

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\* since deceased

**Verma, Akhilesh Kumar** (*b* 01.09.1968), PhD, Professor, Department of Chemistry, North Campus, University of Delhi, Delhi.

He has made significant contribution towards development of methodologies using alkynes and transition metal reagents for the synthesis of N-heterocycles – valuable intermediates of medicinal importance.

**Vijayachari, Paluru** (*b* 10.05.1962), MD, PhD, Scientist G & Director, Regional Medical Research Centre (ICMR), Department of Health Research, Ministry of Health & FW, Port Blair.

Dr P Vijayachari is a leader in the field of leptospirosis. As a member of expert advisory group to the WHO Director General, he along with other members estimated the global disease burden of leptospirosis. As a head of WHO collaborating Centre on leptospirosis, he was instrumental in establishing reference laboratories across India, Sri Lanka, Indonesia, Nepal and Bhutan. He isolated a new strain of *Leptospira* that is associated with severe form of haemorrhagic fever in Andaman Islands. Recently, he organized a world congress on leptospirosis in Port Blair and developed a road map for prevention and control of leptospirosis.

## FOREIGN FELLOWS ELECTED – 2021

*(Effective from 01 January 2022)*

**Cooks, Robert Graham** (b. 02.07.1941), *Henry Bohn Hass Distinguished Professor, Department of Chemistry, Purdue University, 560 Oval Drive, West Lafayette, IN 47907, USA.*

Professor Cooks is an intellectual leader in analytical chemistry and has contributed significantly to the premier position that Purdue University holds in this field. He is widely considered to be the leading active scientist in mass spectrometry. His multiple reaction monitoring method (MRM) is widely used in proteomics. His early work on energy transfer in ion collisions led to a method of chiral determination by mass spectrometry. He was the first to use a matrix to improve ionization and he invented the ambient ionization methods.

**Mukamel, Shaul** (b. 11.12.1948), *Distinguished Professor of Chemistry and of Physics and Astronomy, University of California, Irvine, Department of Chemistry-1102 Natural Sciences II, Irvine, CA 92697-2025.*

Professor Mukamel had pioneered the field of coherent ultrafast multidimensional molecular spectroscopy across the electromagnetic spectrum from the THz to the X-ray regime. His unified diagrammatic framework for nonlinear spectroscopy based on “Liouville space pathways” and his popular textbook “Principles of Nonlinear Optical Spectroscopy (1995), commonly referred to as “The Bible” of nonlinear spectroscopy, had created the standard language for the design and interpretation of ultrafast spectroscopic signals of molecules.

**Ramesh, Ramamoorthy** (b. 10.06.1960), *Purnendu Chatterjee Professor, Department of Physics and Department of Materials Science & Engineering, University of California, Berkeley, CA 94720.*

Professor Ramesh’s work on complex oxide thin film epitaxy, heterostructure and superlattice synthesis has led to several fundamental and applied discoveries, spanning atomic scale design of interfaces in ferroelectrics materials and memories, colossal magnetoresistance in manganites, electric field control of magnetism using multiferroics.

## FELLOWSHIP–SECTIONAL COMMITTEEWISE (up to 2021)

### SECTIONAL COMMITTEE – I

*Mathematical Sciences: Applied Mathematics, Pure Mathematics, Theoretical Computer Science, Statistics and Operations Research*

*Total Fellows: 79*

<i>Name</i>	<i>Specialization</i>
<b>Adimurthi A</b>	Partial Differential Equations
<b>Agrawal M</b>	Theory of Computation
<b>Athreya Siva R</b>	Mathematical Sciences
<b>Balaji V</b>	Mathematics
<b>Balasubramanian R</b>	Theory of Numbers
<b>Bambah RP</b>	Number Theory and Discrete Geometry
<b>Bapat RB</b>	Combinatorial Matrix Theory, Generalised Inverses
<b>Bhat BVR</b>	Mathematics
<b>Bhatia R</b>	Mathematics: Matrix Analysis, Functional Analysis, Harmonic Analysis
<b>Bhattacharyya T</b>	Functional Analysis
<b>Bhatwadekar SM</b>	Commutative Algebra and Algebraic Geometry
<b>Bhosle UN</b>	Algebraic Geometry
<b>Bhutani OP</b>	Applied Mathematics, Symmetries and Differential Equations
<b>Biswas I</b>	Algebraic Geometry
<b>Bose Arup</b>	Statistics and Probability
<b>Bujurke NM</b>	Applied Mathematics, Fluid Mechanics, Computational Techniques, Krylov Subspace Methods, Wavelets, Physiological Fluid Flows
<b>Chandran Leela Sunil</b>	Graph Theory, Combinatorics
<b>Chaudhuri P</b>	Statistics
<b>Dani SG</b>	Ergodic Theory, Lie Groups, Probability Measures on Groups, History of Mathematics
<b>Ghate EP</b>	Mathematics (Number Theory)
<b>Gurjar RV</b>	Algebraic Geometry, Commutative Algebra
<b>Hans-Gill RJ</b>	Geometry of Numbers, Number Theory, Discrete Geometry
<b>Jain PC</b>	Numerical Mathematics, Computational Algorithms

<i>Name</i>	<i>Specialization</i>
<b>Joseph KT</b>	Hyperbolic Conservation Laws and Parabolic PDES, Boundary Layers and Delta Shocks
<b>Kannan V</b>	Mathematical Analysis & Topology
<b>Karandikar RL</b>	Probability and Statistics
<b>Khanduja SK</b>	Algebra, Algebraic Number Theory
<b>Kunnath S</b>	Partial Differential Equations
<b>Mahan MJ</b>	Hyperbolic Geometry, Geometric Group Theory, Topology of Algebraic Varieties
<b>Misra G</b>	Operator Theory
<b>Mukerjee R</b>	Statistics (Design of Experiments, Asymptotic Theory, Survey Sampling)
<b>Mukunda N</b>	Mechanics, Optics, Mathematical Physics
<b>Munshi R</b>	Number Theory
<b>Nadkarni MG</b>	Harmonic Analysis & Ergodic Theory
<b>Nagaraj DS</b>	Algebraic Geometry
<b>Natarajan S</b>	Number Theory
<b>Nitsure Nitin</b>	Mathematics
<b>Nori MV</b>	Algebraic Geometry, Commutative Algebra
<b>Parameswaran AJ</b>	Algebraic Geometry
<b>Paranjape KH</b>	Geometry
<b>Parimala R</b>	Algebra
<b>Parthasarathy KR</b>	Probability Theory & Quantum Information Theory
<b>Parthasarathy R</b>	Representations of Lie Groups
<b>Parthasarathy T</b>	Game Theory & Mathematical Programming
<b>Prakasa Rao BLS</b>	Mathematical Statistics
<b>Prasad Dipendra</b>	Automorphic Form, Number Theory
<b>Prasad G</b>	Lie & Algebraic Groups
<b>Prasad P</b>	Theory of Wave Propagation, Partial Differential Equations & Fluid Dynamics
<b>Radhakrishnan J</b>	Theoretical Computer Science, Complexity Theory, Discrete Mathematics
<b>Raghunathan MS</b>	Lie Groups, Algebraic Groups, Discontinuous Groups
<b>Raghuram Anantharam</b>	Number Theory, Representation Theory, Automorphic Form, Special Values of L-Functions, Cohomology of Arithmetic Groups
<b>Rajan CS</b>	Arithmetic Geometry, Automorphic forms, Representation Theory
<b>Ramachandran B</b>	Analytical Probability Theory
<b>Ramadas TR</b>	Algebraic and Differential Geometry, Mathematical Physics
<b>Ramanan S</b>	Algebraic & Differential Geometry
<b>Ramdorai Sujatha</b>	Algebra, Geometry, Number Theory

<i>Name</i>	<i>Specialization</i>
<b>Rao CR</b>	Statistics & Matrix Algebra
<b>Rao Ravi A</b>	Classical K-Theory
<b>Roy Rahul</b>	Mathematics
<b>Rudraiah N</b>	Applied Mathematics, Fluid Mechanics
<b>Sankaran P</b>	Topology, Representation Theory
<b>Sharan Maithili</b>	Applied Mathematics: Atmospheric Science: Air Pollution
<b>Sharma VD</b>	Quasilinear Systems of Hyperbolic Partial Differential Equations and Nonlinear Wave Phenomena
<b>Shorey TN</b>	Number Theory
<b>Singh AI</b>	Functional Analysis, Harmonic Analysis, Quantum Information Theory
<b>Singh Balwant</b>	Algebraic Geometry & Commutative Algebra
<b>Singh MP</b>	Applied Mathematics, Air Pollution Modelling and Biofluid Dynamics
<b>Singh SJ</b>	Theoretical Seismology & Applied Mathematics
<b>Singhi NKM</b>	Discrete Mathematics & Computer Science
<b>Sinha KB</b>	Spectral Theory and Non-Commutative Geometry & Stochastic Processes
<b>Sridharan R</b>	Algebra
<b>Srinivas V</b>	Algebra, Algebraic Geometry
<b>Sunder VS</b>	Subfactors, Operator Algebras, Functional Analysis
<b>Suresh V</b>	Algebra and Algebraic Geometry
<b>Thangavelu S</b>	Harmonic Analysis
<b>Veerappa Gowda GD</b>	Partial Differential Equations in Particular, Conservation Laws and Hamilton-Jacobi Equations, Theory and Numerics
<b>Venkatachalappa M</b>	Applied Mathematics: Fluid Mechanics, Magnetohydrodynamics
<b>Venkataramana TN</b>	Algebraic Groups, Arithmetic Groups, Automorphic Forms
<b>Verma JK</b>	Mathematics (Algebra)

**SECTIONAL COMMITTEE – II**

**Physics:** *Astronomy, Astrophysics, Nuclear and High Energy Physics, Atomic, Molecular and Optical Physics, Statistical*

*Physics, Theoretical Physics, Mathematical and Computational Physics, Condensed Matter including Soft, Liquids and Nano Materials, Cosmic Radiation, Cosmology, Space Physics, Basic Planetary Sciences, Lasers and Optoelectronics, Plasma Physics, Solar Physics, Atmospheric Physics*

Total Fellows: 147

<b>Name</b>	<b>Specialization</b>
<b>Agarwal GS</b>	Quantum Optics, Nano Photonics, Plasmonics
<b>Agrawal BK</b>	Condensed Matter Physics, Nanostructures and Superconductivity
<b>Ananthakrishna G</b>	Theoretical Materials Science and Condensed Matter Physics
<b>Ananthakrishnan S</b>	Radio Astronomy
<b>Antia HM</b>	Physics and Numerical Techniques
<b>Apparao KMV</b>	Astronomy, Astrophysics, Space Physics
<b>Ayyub P</b>	Condensed Matter Physics (Nanostructured Materials)
<b>Aziz T</b>	Experimental High Energy Physics
<b>Banerjee Sunanda</b>	Experimental High Energy Physics
<b>Barma M</b>	Statistical Physics
<b>Baskaran G</b>	Condensed Matter Physics, Statistical Mechanics and Theoretical Biology
<b>Bhat SV</b>	Physics of Materials
<b>Bhatnagar AK</b>	Experimental Solid State & Materials Science, Superconductivity and Magnetism, Glasses, Films & Nano Materials
<b>Bhattacharjee SM</b>	Theoretical Condensed Matter Physics
<b>Bhattacharyya G</b>	High Energy Physics (Theory)
<b>Bhawalkar DD</b>	Lasers and their Applications
<b>Budhani RC</b>	Physics, Physics of Quantum Materials (Superconductivity and Magnetism in Low Dimensional Systems)
<b>Buti B</b>	Plasma Physics
<b>Chaddah P</b>	Condensed Matter Physics
<b>Chakrabarti BK</b>	Statistical and Condensed Matter Physics
<b>Chaplot SL</b>	Condensed Matter Physics
<b>Chengalur JN</b>	Astronomy
<b>Chidambaram R</b>	Materials Science and Crystallography, High Pressure Physics and Nuclear Technology
<b>Choudhuri AR</b>	Theoretical Astrophysics, Solar Physics, Magnetohydrodynamics, History of Science
<b>Choudhury D</b>	Theoretical High Energy Physics
<b>Chowdhury D</b>	Statistical Physics, Biological Physics

<i>Name</i>	<i>Specialization</i>
<b>Cowsik R</b>	Astrophysics, Elementary Particles, Cosmology and Gravitation
<b>Damle Kedar</b>	Condensed Matter and Statistical Physics
<b>Das Amita</b>	Physics
<b>Das SP</b>	Theoretical Condensed Matter Physics, Statistical Physics
<b>Dasannacharya BA</b>	Condensed Matter Physics, Neutron and X-ray Scattering
<b>Dasgupta C</b>	Theoretical Condensed Matter Physics and Statistical Mechanics
<b>Datta A</b>	Particle Physics
<b>Dattagupta S</b>	Structure and Dynamics of Condensed Matter
<b>Dhar A</b>	Statistical Physics
<b>Dhar Deepak</b>	Statistical Physics
<b>Dhurandhar SV</b>	Gravitational Waves and General Relativity
<b>Dighe A</b>	High Energy Physics
<b>Gavai RV</b>	Theoretical High Energy Physics, Quantum Field Theory on Lattice, Quark-Gluon Plasma, Heavy-Ion Collisions and Phase Transitions in Early Universe
<b>Ghosh A</b>	Experimental Condensed Matter Physics at Ultra-low Temperature, Nano Electronics, Semiconductor Physics
<b>Ghosh Aswini</b>	Condensed Matter Physics and Materials Science
<b>Ghosh BG</b>	Condensed Matter Physics
<b>Godbole Rohini M</b>	Theoretical High Energy Physics
<b>Gopakumar R</b>	Theoretical Physics
<b>Goswami Srubabati</b>	High Energy Physics
<b>Gupta LC</b>	Superconductivity, Magnetism in Quaternary Borocarbides and Intermetallics, Nuclear Magnetic/Quadrupole Resonance, $\mu$ -SR Studies, Valence Fluctuations and Heavy Fermions
<b>Gupta S</b>	Theoretical High Energy Physics, Statistical Mechanics in Quantum Field Theory, Quantum Chromodynamics and Strong Interactions
<b>Gupta SN</b>	High Energy Physics
<b>Jayannavar AM</b>	Condensed Matter Physics (Theory)
<b>Jha SS</b>	Solid State Physics & Optoelectronics
<b>Jog CJ</b>	Astrophysics of Galaxies
<b>Joshi PS</b>	Gravitation Theory and Cosmology
<b>Joshiपुरa AS</b>	High Energy Physics
<b>Kailas S</b>	Accelerator Based Nuclear Physics and Applications
<b>Kanjilal D</b>	Material Sciences & Engineering, Condensed Matter Physics, Accelerator Physics
<b>Kapoor SS</b>	Nuclear Physics, Particle Detectors, Particle Accelerators & Applications

<i>Name</i>	<i>Specialization</i>
<b>Kaul RK</b>	Quantum Field Theory, High Energy Physics & Quantum Gravity
<b>Kaul SN</b>	Condensed Matter Physics, Materials Science, Nanosciences and Nanotechnology
<b>Khare A</b>	Plasma Physics, Statistical Mechanics, Critical Phenomenon
<b>Khare AV</b>	Theoretical Physics
<b>Krishna G</b>	Radio Astronomy and Cosmology (Radio Galaxies and Quasars)
<b>Krishna P</b>	Crystallography, Crystal growth, Education, Science & Society
<b>Krishnamurthy HR</b>	Theoretical Condensed Matter Physics, especially Quantum Many-Body Theory & Statistical Physics
<b>Krishnamurthy Manchikanti</b>	Atomic, Molecular, Optical and Plasma Physics
<b>Kulkarni SK</b>	Nanotechnology, Materials Science, Surface Science
<b>Lakshmanan M</b>	Nonlinear Dynamics & Theoretical Physics
<b>Lal Krishan</b>	Physics of Materials
<b>Madhusudana NV</b>	Liquid Crystals
<b>Maharana J</b>	String Theory and Quantum Gravity
<b>Maiti K</b>	Condensed Matter Physics
<b>Maiti PK</b>	Physics
<b>Majumder Gobinda</b>	Experimental High Energy Physics
<b>Malik SK</b>	Magnetism, Valence Fluctuation & Superconductivity
<b>Mandal Gautam</b>	Quantum Field Theory, String Theory, Gravitational Physics and Non-equilibrium Phenomena
<b>Mandal Prabhat</b>	Condensed Matter Physics, Materials Science & Crystal Growth (Superconductivity, Strong Electronic Correlation, Colossal Magnetoresistance, Topological Insulator, Dirac/Weyl Semimetals, Charge Density Wave, van der Waals systems)
<b>Mathews PM</b>	Geodynamics, Relativistic Fields and Stochastic Processes
<b>Mathur D</b>	Atomic, Molecular and Optical Sciences, Biological Physics
<b>Minwalla SN</b>	Theoretical Physics (Gravity, Quantum Field Theory, String Theory)
<b>Mitra AN</b>	Quarks, Particles, Nuclei & Fields
<b>Mitra P</b>	Theoretical Physics
<b>Mohanty B</b>	Experimental High Energy Physics, Phenomenology of Quark Gluon Plasma, QCD Phase Diagram and Direct Dark Matter Search
<b>Mondal NK</b>	Experiment Particle Physics, Accelerator Based and Non-Accelerator Based Particle Physics and Neutrino Physics
<b>Mukhi Sunil</b>	Theoretical High Energy Physics, String Theory
<b>Nagarajan R</b>	Superconductivity, Valence Fluctuation, Mossbauer Spectroscopy, Instrumentation

<i>Name</i>	<i>Specialization</i>
<b>Narayan KS</b>	Device Physics, Organic Electronics, Photophysics & Biomolecular Electronics
<b>Narlikar AV</b>	Superconductivity & Nanostructures
<b>Narlikar JV</b>	Cosmology & Theoretical Astrophysics
<b>Nityananda R</b>	Optics, Statistical Physics, Gravitational Dynamics
<b>Padmanabhan J</b>	Solarwind, Space Weather, Solar Radio Studies, Solar Magnetic Fields, Comets
<b>Pal AJ</b>	Organic Electronics, Materials Engineering, Device Physics
<b>Pal MK</b>	Theoretical Nuclear Physics
<b>Panda S</b>	Field Theory, String Theory, Supergravity and String Cosmology
<b>Pandey D</b>	Condensed Matter Physics, Material Science, Crystallography, Structural Phase Transitions
<b>Pandit Rahul</b>	Statistical Mechanics of Phase Transitions, Condensed Matter Theory, Spatiotemporal Chaos, Mathematical Models for Cardiac Tissue and Turbulence
<b>Pathak KN</b>	Condensed Matter Physics, Solid State Physics
<b>Prakash S</b>	Plasma Physics, Upper Atmospheric Physics and Space Borne Payloads
<b>Puri S</b>	Physical Sciences
<b>Raghunathan VA</b>	Soft Condensed Matter Physics
<b>Rajaraman R</b>	Theoretical Physics, Nuclear Policies
<b>Rajasekaran G</b>	High Energy Physics & Quantum Field Theory
<b>Ramakrishnan TV</b>	Theoretical Condensed Matter Physics and Statistical Mechanics
<b>Ramamurthy VS</b>	Nuclear Physics, Ion Beam Applications, Science & Technology Policy
<b>Ramanamurthy PV</b>	High Energy Astrophysics & Cosmic Rays
<b>Ramaswamy SR</b>	Condensed Matter, Statistical and Biological Physics
<b>Rao Madan</b>	Statistical Physics, Nonequilibrium Statistical Physics, Soft Matter, Biological Physics, Cell and Tissue Biophysics
<b>Ravindra Kumar G</b>	Physics (Nonlinear Optics, Study of Matter in Intense Laser Fields)
<b>Ravindran V</b>	High Energy Physics
<b>Raychaudhuri A</b>	Particle Physics including Astroparticle Physics
<b>Raychaudhuri AK</b>	Physics, Low Temperature Physics, Physics of Nanomaterials, Scanning Probe Microscopy, Sensors, Transnational Research
<b>Rindani SD</b>	Particle Physics
<b>Roy Probir</b>	Astroparticle physics & Particle Physics: Field Theory & Phenomenology
<b>Roy SM</b>	Foundations of Quantum Theory & Particle Physics
<b>Saha-Dasgupta Tanusri</b>	Computational Materials Physics, Electronic Structure
<b>Sahni V</b>	Theoretical Physics

<i>Name</i>	<i>Specialization</i>
<b>Sampathkumaran EV</b>	Magnetism & Superconductivity
<b>Sanyal MK</b>	Condensed Matter Physics, Surface Physics & Synchrotron X-ray Scattering
<b>Sarkar U</b>	Theoretical Particle and Astroparticle Physics
<b>Sastry S</b>	Statistical Mechanics, Soft Condensed Matter Physics, Chemical Physics
<b>Sen Abhijit</b>	Plasma Physics and Non Linear Dynamics
<b>Sen Ashoke</b>	High Energy Physics
<b>Sen D</b>	Theoretical Condensed Matter Physics, Quantum Field Theory
<b>Sengupta K</b>	Theoretical Condensed Matter Physics
<b>Sharma SM</b>	Materials Behavior Under High Pressures and Development of Synchrotron Beamlines
<b>Shastry BS</b>	Condensed Matter Theory, Statistical Mechanics
<b>Shenoy VB</b>	Condensed Matter Theory
<b>Sikka SK</b>	High Pressure, Shockwaves, Neutron Diffraction & Energy Bands
<b>Simon R</b>	Classical and Quantum Optics, Foundations of Quantum Mechanics, and Quantum Information Theory
<b>Singh KP</b>	Astronomy and Astrophysics
<b>Singh V</b>	Theoretical Physics, High Energy Physics, Foundation of Quantum Mechanics, History and Philosophy of Science
<b>Singh Yashwant</b>	Condensed Matter Theory, Theoretical Biology
<b>Sinha BC</b>	Nuclear Physics, High Energy Physics, Quark Gluon Plasma, Early Universe Cosmology
<b>Sinha KP</b>	Theoretical Research on Various Phenomena and Condensed Matter Nuclear Science
<b>Sinha S</b>	Nonlinear Dynamics, Chaos and Complex Systems
<b>Sodha MS</b>	Plasmas, Optics & Energy
<b>Sood AK</b>	Condensed Matter Physics
<b>Srivastava CM</b>	Ferromagnetic Relaxation & Superconductivity
<b>Srivastava DK</b>	Theoretical Nuclear Physics
<b>Subramanian K</b>	Astronomy and Astrophysics
<b>Sundar CS</b>	Materials Science and Condensed Matter Physics, Positron Annihilation Spectroscopy
<b>Suresh KA</b>	Soft Condensed Matter (Physics of Liquid Crystal and Surface Science)
<b>Trivedi SP</b>	String Theory and Particle Physics and Cosmology
<b>Venkataraman G</b>	Condensed Matter Physics
<b>Verma MK</b>	Turbulence, Plasma Physics, Nonlinear Dynamics
<b>Vijayaraghavan R</b>	Solid State Physics
<b>Viyogi YP</b>	Experimental Nuclear Physics

<i>Name</i>	<i>Specialization</i>
<b>Wadia SR</b>	String Theory, Quantum Gravity, Statistical Mechanics
<b>Waghmare UV</b>	Theory, Modeling and Simulations of Materials

### SECTIONAL COMMITTEE – III

*Chemistry: Analytical Chemistry, Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Theoretical and Computational Chemistry, Structural Chemistry, Chemistry of Materials, Medicinal and Pharmaceutical Chemistry, Bio-organic, Bio-inorganic and Bio-physical Chemistry*

Total Fellows: 137

<i>Name</i>	<i>Specialization</i>
<b>Agarwala UC</b>	Inorganic Chemistry
<b>Ahluwalia JC</b>	Physical Chemistry, Thermodynamics & Biopolymers
<b>Ajayaghosh A</b>	Organic (Materials) Chemistry
<b>Anand Nitya</b>	Medicinal Chemistry
<b>Bagchi B</b>	Physical Chemistry of Condensed Matter, Molecular Relaxation in Liquids, Dynamics of Complex Systems, Biophysics
<b>Balasubramanian KK</b>	Organic Chemistry
<b>Basak A</b>	Organic Chemistry
<b>Basavaiah D</b>	Organic Chemistry: Baylis-Hillman Chemistry and Chiral Catalysis
<b>Baskaran S</b>	Synthetic Organic Chemistry
<b>Bera JK</b>	Inorganic Chemistry
<b>Bhaduri S</b>	Inorganic and Organometallic Chemistry and Catalysis
<b>Bharadwaj PK</b>	Supramolecular Chemistry
<b>Bhattacharya S</b>	Chemical Biology, Supramolecular Chemistry and Nano Materials
<b>Bhattacharyya AJ</b>	Materials and Physical Chemistry, Energy
<b>Bhattacharyya K</b>	Physical Chemistry, Ultrafast Laser Spectroscopy, Confocal Microscopy
<b>Chadha MS</b>	Organic and Bio-Organic Chemistry
<b>Chakraborti AK</b>	Organic Chemistry
<b>Chakraborty TK</b>	Organic Synthesis, Peptides, Peptidomimetics
<b>Chakravarty AR</b>	Bioinorganic and Medicinal Inorganic Chemistry
<b>Chakravorty A</b>	Inorganic & Structural Chemistry, History of Chemistry
<b>Chandra A</b>	Theoretical Physical Chemistry
<b>Chandrakumar N</b>	Magnetic Resonance Spectroscopy & Imaging, Chemical Physics, Physical Chemistry, Instrumentation
<b>Chandrasekaran S</b>	Organic Synthesis, Organometallic Chemistry, Catalysis
<b>Chandrasekhar J</b>	Computational Chemistry, Drug Discovery Theoretical Organic Chemistry

<i>Name</i>	<i>Specialization</i>
Chandrasekhar S	Organic Chemistry (Chemical Sciences)
Chandrasekhar V	Inorganic Chemistry
Chandrashekar TK	Inorganic Chemistry of Biomolecules
Chattaraj PK	Theoretical Chemistry, Nonlinear Dynamics
Chattopadhyay A	Chemical Physics
Chattoraj DK	Surface Chemistry, Biophysical Chemistry
Chaudhuri MK	Inorganic Chemistry
Choudary BM	Catalysts and Nano-Materials, Pharmaceuticals
Das Amitava	Chemistry
Das Suresh	Photochemistry, Photophysics, Liquid Crystals, Organic Functional Materials, Photoresponsive Materials, NIR Absorbing Dyes, Dye Sensitized Solar Cells
Deb BM	Theoretical Chemistry & Chemical Physics
Desiraju GR	Crystal Engineering
Dogra SK	Physical Chemistry & Photochemistry
Gadre SR	Theoretical and Computational Chemistry
Ganesh KN	Bio-Organic Chemistry
George Thomas K	Physical Chemistry, Photochemistry, Photophysics and Material Science
Ghosh HN	Chemistry
Ghosh Pradyut	Inorganic and Supramolecular Chemistry
Ghosh Subrata	Synthetic Organic Chemistry
Ghosh SK	Theoretical Chemistry, Computational Materials Science, Soft Condensed Matter Physics
Gopalakrishnan J	Solid State Inorganic Chemistry
Gopinathan MS	Quantum Chemistry and Non-linear Dynamics
Goswami Sreebrata	Inorganic Chemistry, Coordination Chemistry of Organic pi-Radical Ligands, Metal-Ligand Cooperation, Electro-Protic Storage, Electronic and Optoelectronic Materials
Guru Row TN	X-Ray Crystallography, Structural Chemistry
Hosur RV	Biophysical Chemistry, NMR, Structural Biology
Ila H	Synthetic and Medicinal Chemistry
Iqbal Javed	Organic and Medicinal Chemistry
Jain DVS	Physical & Theoretical Chemistry
Jasra RV	Catalysis, Adsorption, Petrochemicals, R&D Leadership, NanoPorous Materials
Jayakrishnan A	Polymer Chemistry, Biomaterials
Jemmis ED	Theoretical and Computational Chemistry
Junjappa H	Synthetic and Mechanistic Organic Chemistry

<i>Name</i>	<i>Specialization</i>
<b>Kant Rama</b>	Theoretical and Experimental Electrochemistry, Theoretical Polymer Physics and Complex Systems
<b>Kartha VB</b>	Analytical Spectroscopy, Atomic & Molecular Physics, Laser Biomedical Applications
<b>Kasturi TR</b>	Synthetic & Mechanistic Organic Chemistry
<b>Kessar SV</b>	Synthetic Organic Chemistry
<b>Khan MMT</b>	Inorganic Chemistry, Homogeneous Catalysts
<b>Kotha S</b>	Organic Chemistry
<b>Krishnamurthy SS</b>	Inorganic & Organometallic Chemistry
<b>Krishnan V</b>	Inorganic and Bioinorganic Chemistry
<b>Kulkarni GU Rao</b>	Nanomaterials and Self-assembly Routes to Nanofabrication
<b>Kumar Anil</b>	Physical Chemistry, Thermodynamics, Physical-Organic Chemistry
<b>Kumara Swamy KC</b>	Chemistry Inorganic / Organic
<b>Lahiri GK</b>	Inorganic Chemistry
<b>Lakshmi Kantam M</b>	Catalysis, Materials and Process Chemistry
<b>Maitra Uday</b>	Organic Chemistry: Supramolecular Chemistry, Chemistry of Bile Acids, Organo and Hydrogels
<b>Mehta G</b>	Organic Chemistry
<b>Mitra S</b>	Bioinorganic Chemistry, Biological Chemistry
<b>Mittal JP</b>	Radiation & Photochemistry, Chemical Dynamics & Laser Chemistry
<b>Moorthy JN</b>	Physical Organic Chemistry
<b>Moulik SP</b>	Surface & Biophysical Chemistry
<b>Mugesh G</b>	Inorganic Chemistry
<b>Mukherjee D</b>	Theoretical Chemistry, Theoretical Spectroscopy
<b>Mukherjee RN</b>	Inorganic Chemistry, Bio-inorganic Chemistry
<b>Murugavel R</b>	Inorganic Chemistry
<b>Nag K</b>	Inorganic Chemistry
<b>Nagarajan K</b>	Natural Products Chemistry, Medicinal and Pesticide Chemistry
<b>Nangia A</b>	Organic Chemistry, Crystal Engineering, Pharmaceutical Cocrystals
<b>Natarajan S</b>	Inorganic Materials Chemistry
<b>Pal Sourav</b>	Theoretical Chemistry, Electronic Structure Theory, Ab initio Quantum Chemistry
<b>Palaniandavar M</b>	Bioinorganic Chemistry of DNA, Copper and Iron: Activation of Molecular Oxygen, Functional Models for Metalloproteins, Interaction of Metal Complexes with DNA and Proteins, Metal-based Anticancer Drugs
<b>Palit DK</b>	Radiation and Photochemistry, Ultrafast Spectroscopy and Chemical Reaction Dynamics
<b>Pandey GP</b>	Organic Chemistry

<i>Name</i>	<i>Specialization</i>
<b>Pati SK</b>	Solid State Sciences
<b>Patil Nitin T</b>	Synthetic Organic Chemistry
<b>Periasamy M</b>	Organic Chemistry, Organometallics and Chiral Reagents Chemistry
<b>Periasamy N</b>	Physical Chemistry
<b>Pillai VK</b>	Electrochemistry, Materials Chemistry
<b>Pradeep T</b>	Molecular and Nanoscale Materials, Nanoscience and Nanotechnology, Molecular Surfaces, Low Energy Ion Scattering, Instrumentation; Water Purification
<b>Radhakrishnan TP</b>	Materials Chemistry
<b>Rajappa S</b>	Organic Chemistry
<b>Rama Rao AV</b>	Organic Chemistry, Medicinal Chemistry, Drug Technology, Chiral Synthesis & Technology and Natural Products
<b>Ramaiah NA</b>	Physical Chemistry & Sugar Chemistry
<b>Ramaraj R</b>	Inorganic and Physical Chemistry
<b>Ramasami T</b>	Inorganic and Leather Chemistry
<b>Ramasesha SS</b>	Theoretical Chemistry
<b>Ramaswamy R</b>	Nonlinear Science, Computational Biology and Bioinformatics
<b>Ranu BC</b>	Organic Synthesis, Green Chemistry
<b>Rao CP</b>	Inorganic Chemistry
<b>Rao CNR</b>	Solid State and Materials Chemistry
<b>Rao KJ</b>	Physical Chemistry
<b>Ravikanth M</b>	Inorganic Chemistry
<b>Ray DS</b>	Theoretical Chemistry
<b>Reddy GKN</b>	Coordination Chemistry, Organometallics & Catalysis
<b>Sadashiva BK</b>	Synthesis and Characterization of Liquid Crystalline Materials
<b>Samanta A</b>	Physical Chemistry (Photochemistry, Time-resolved Spectroscopy)
<b>Sampath S</b>	Materials Electrochemistry (Interfacial Chemistry)
<b>Sandhu JS</b>	Organic Chemistry, Bio Organic Chemistry
<b>Sankararaman S</b>	Organic Chemistry, Synthetic & Mechanistic Organic Chemistry
<b>Sarma DD</b>	Electronic Structure of Solid
<b>Sastry GN</b>	Computational Chemistry, Theoretical Chemistry, Computer-Aided Drug Design, Machine Learning & Data Science
<b>Sathyamurthy N</b>	Theoretical Chemistry, Molecular Reaction Dynamics
<b>Sebastian KL</b>	Theoretical Chemistry
<b>Sen Kalidas</b>	Chemical Physics
<b>Shukla AK</b>	Materials Electrochemistry with Special Emphasis on Batteries, Fuel Cells and Electrochemical Supercapacitors
<b>Singh Harjit</b>	Organic Chemistry

<i>Name</i>	<i>Specialization</i>
<b>Singh HB</b>	Organometallic Chemistry, Inorganic Chemistry
<b>Singh KN</b>	Organic Chemistry
<b>Singh MS</b>	Synthetic Organic Chemistry (Methodology)
<b>Singh VK</b>	Organic Chemistry
<b>Singh V</b>	Organic Chemistry
<b>Sinha APB</b>	Solid State Chemistry
<b>Subba Rao GSR</b>	Organic Chemistry
<b>Subramanian S</b>	NMR, EPR, Theoretical Chemistry, Magnetic Resonance Imaging
<b>Sukh Dev</b>	Organic Chemistry, Natural Products, Drug Discovery, Technology Development
<b>Tripathi Pradeep Kumar</b>	Synthetic Organic Chemistry
<b>Vankar YD</b>	Organic Chemistry
<b>Vasudevan S</b>	Physical Chemistry
<b>Venkatesan K</b>	Chemical Crystallography
<b>Verma AK</b>	Transition-Metal/ Superbase-Catalyzed Organic Transformations
<b>Verma S</b>	Bioorganic Chemistry, Chemical Biology
<b>Yadav JS</b>	Organic Chemistry
<b>Yashonath S</b>	Theoretical Chemistry, Physical Chemistry

## SECTIONAL COMMITTEE – IV

*Earth & Environmental Sciences: Surface and Solid Earth Science, Applied Atmospheric Chemistry and Physics, Climate Sciences, Meteorology, Geo Engineering, Ocean Sciences, Geo Sciences and Applied Planetary Sciences*

*Total Fellows: 72*

<i>Name</i>	<i>Specialization</i>
<b>Ahmad T</b>	Igneous Petrology-Geochemistry & Himalayan Geology
<b>Banerjee DM</b>	Precambrian Sedimentology, Sedimentary Geochemistry
<b>Bhandari N</b>	Earth and Planetary Science
<b>Bhardwaj A</b>	Planetary and Space Science
<b>Bhargava ON</b>	Stratigraphy and Structure with Special Reference to the Himalaya
<b>Bhatia SB</b>	Palaeontology, Micropalaeontology & Biostratigraphy
<b>Bhattacharya Abhijit</b>	Petrology, Geochemistry, Tectonics
<b>Bhattacharyya Archana</b>	Ionospheric Physics and Geomagnetism
<b>Dasgupta S</b>	Metamorphic Petrology, Geochemistry, Precambrian Geology
<b>Deb Mihir</b>	Ore Geology, Geochemistry, Precambrian Geology, Mining Environment & Sustainable Development.

<i>Name</i>	<i>Specialization</i>
<b>Dileep Kumar M</b>	Oceanography, Biogeochemistry
<b>Dimri VP</b>	Geophysics, Inversion, Fractals and Signal Processing
<b>Gadgil S</b>	Atmospheric and Oceanic Science, Evolutionary Biology
<b>Gahalaut VK</b>	Earth Sciences, Seismology, Tectonic Geodesy
<b>Gaur VK</b>	Earth and Planetary Sciences
<b>Gopalan K</b>	Geochronology & Isotope Geology
<b>Goswami BN</b>	Tropical Meteorology, Monsoon Dynamics and Predictability of Weather & Climate
<b>Goswami JN</b>	Solar System Studies, Earth and Planetary Science
<b>Gupta Alok Kumar</b>	Experimental Petrology
<b>Gupta Anil K</b>	Micropaleontology, Paleomonsoon and Paleoclimatology
<b>Gupta HK</b>	Seismology, Geophysical Exploration, Ocean Sciences
<b>Haider SA</b>	Planetary Atmospheres, Ionospheres and Magnetospheres, Cometary Coma and Dust
<b>Jain AK</b>	Geology, Structural Geology and Tectonics
<b>Jayananda M</b>	Petrology, Solid Earth Geochemistry & Tectonics
<b>Kamra AK</b>	Atmospheric Sciences
<b>Krishna KS</b>	Lithospheric Dynamics, Tectonics, Plate Tectonics, Marine Geophysics
<b>Krishnamoorthy K</b>	Atmospheric Aerosols, Radiative Forcing
<b>Krishnan R</b>	Atmospheric and Climate Science
<b>Lakhina GS</b>	Geomagnetism and Atmospheric Sciences
<b>Lal Shyam</b>	Atmospheric Science, Ozone and Trace Gases, Air Quality and Climate
<b>Mahajan KK</b>	Radio, Atmospheric and Space Sciences
<b>Mandal N</b>	Structural Geology and Tectonics
<b>Merh SS</b>	Structural Geology, Quaternary Geology
<b>Mishra SK</b>	Dynamic Meteorology and Numerical Modelling
<b>Mohanty UC</b>	Tropical Meteorology, Numerical Weather Prediction, Monsoon Dynamics, Meso-scale Modelling of severe weather and Climate Modelling
<b>Mujumdar PP</b>	Hydrology
<b>Mukhopadhyay D</b>	Structural & Precambrian Geology
<b>Naqvi SWA</b>	Aquatic Biogeochemistry, Chemical Oceanography and Paleoceanography
<b>Parthasarathy G</b>	Earth and Planetary Science, Mineralogy, High-Pressure Mineral Physics, Nanogeoscience, Condensed Matter Physics, Materials Science, Environmental Science
<b>Patra AK</b>	Atmospheric and Ionospheric Physics, Radar Probing Techniques
<b>Paul DK</b>	Geochemistry, Isotope Geology and Petrology

<i>Name</i>	<i>Specialization</i>
<b>Prasad GVR</b>	Vertebrate Palaeontology, Biostratigraphy, Palaeobiogeography, Evolution of Mesozoic Mammals
<b>Rai SS</b>	Geophysical System Modelling, Seismology, Tectonophysics and Geophysical Exploration
<b>Rajamani V</b>	Geochemistry
<b>Rajeevan MN</b>	Atmospheric Science
<b>Rama</b>	Isotope Hydrology
<b>Rao TN</b>	Radar Meteorology
<b>Rao NV Chalapathi</b>	Mineralogy, Igneous Petrology, Geochemistry, Geodynamics and Mineral Resources
<b>Rao VP</b>	Marine Geology, Sedimentology
<b>Reddy BM</b>	Atmospheric Sciences & Radio Communications
<b>Reddy CA</b>	Space Physics & Atmospheric Dynamics
<b>Roy AB</b>	Precambrian Geology, Tectonics
<b>Sahni Ashok</b>	Geology, Vertebrate Palaeontology & Biostratigraphy
<b>Sain Kalachand</b>	Inversion, Modeling, Advanced Processing & Interpretation of Seismic Data, Machine Learning for Gas-hydrates, Basin Evolution, Geo-tectonics and Earthquake Processes
<b>Sarin Manmohan</b>	Chemical Oceanography, Atmospheric and Aerosol Chemistry
<b>Sarkar Anindya</b>	Stable Isotope Geochemistry, Palaeoclimatology, Geochronology and Sedimentology
<b>Satheesh SK</b>	Atmospheric Aerosol & Climate
<b>Sen Sisir K</b>	Metamorphic Petrology & Geochemistry
<b>Sengupta Pulak</b>	Metamorphic Petrology and Precambrian Geology
<b>Sengupta Sudipta</b>	Structural Geology & Precambrian Geology
<b>Sharma RS</b>	Metamorphic Petrology & Precambrian Geology
<b>Shetye SR</b>	Physical Oceanography
<b>Shyam Lal</b>	
<b>Singh RN</b>	Geophysics, Geophysical, Environmental and Earth System Modelling
<b>Singh Sunil Kumar</b>	Low Temperature Geochemistry, Earth Surface Processes and Biogeochemistry of Trace Elements and Isotopes in Ocean
<b>Singhvi AK</b>	Quaternary Climates and Geochronology, Radiation Effects and Dosimetry
<b>Srinivasan J</b>	Climate Science
<b>Srinivasan R</b>	Precambrian Geology, Sedimentation & Structure
<b>Srivastava DC</b>	Structural Geology, Precambrian Geology and Fluid-inclusions
<b>Tandon SK</b>	Physical Stratigraphy, Quaternary Geology, Fluvial Sedimentology and River Science

<b>Name</b>	<b>Specialization</b>
<b>Tiwari VM</b>	Geophysics: (Gravimetry, Geodynamics and Hydrology)
<b>Tripathi SN</b>	Atmospheric Sciences, Planetary Atmospheres, Aerosol and Cloud
<b>Venkataraman Chandra</b>	Aerosol Science & Engineering, Atmospheric & Climate Science, Sustainability, Climate Forcing and Feedbacks to Air Pollution, Nanoparticle Drug Delivery

## SECTIONAL COMMITTEE – V

**Engineering & Technology:** *Electrical Engineering, Telecommunication Engineering, Electronics and Optoelectronics, Chemical Engineering, Civil Engineering, Environmental Engineering, Mechanical Engineering, Aeronautical Engineering, Metallurgical Engineering, Computer Science and Engineering including Software and Data science, Information Science and Technology, Advanced Materials (such as Bio-materials, Hybrid Materials and Nano Materials), Polymer Science & Engineering*

Total Fellows: 108

<b>Name</b>	<b>Specialization</b>
<b>Agarwal Vivek</b>	Power Electronics
<b>Arunachalam VS</b>	Energy Systems and Development, Science, Technology & Public Policy, Materials Science & Engineering, Defence Technologies
<b>Ayappa KG</b>	Chemical Engineering
<b>Balakrishnan N</b>	Information Security, Complex Networks, Computational Electromagnetics, Polarimetric and Doppler Radars
<b>Bandyopadhyay S</b>	Computer Science (Soft Computing, Pattern Recognition and Computational Biology)
<b>Banerjee D</b>	Physical Metallurgy
<b>Banerjee Soumitro</b>	Nonlinear Dynamics
<b>Basu Bikramjit</b>	Biomaterials, Biomedical Engineering and Engineering Ceramics
<b>Bhat Navakanta</b>	Nanoelectronics and Sensors
<b>Bhatnagar Shalabh</b>	Stochastic Approximation Algorithms, Optimization via Simulation, Stochastic Control
<b>Bhattacharyya AB</b>	Micro-Electronics
<b>Bhowmick AK</b>	Polymer Science and Engineering
<b>Biswas G</b>	Heat Transfer, Computational Fluid Dynamics, Fluid Mechanics, Microfluidics
<b>Borkar VS</b>	Analysis and Control of Stochastic Systems
<b>Chakrabarti PP</b>	Computer Science and Engineering
<b>Chakrabarti S</b>	Computer Science, Text and Web Search, Social Networks
<b>Chakraborty S</b>	Microfluidics, Nanofluidics and Microscale/ Nanoscale Transport Processes
<b>Chakravorty D</b>	Materials Science
<b>Chattopadhyay K</b>	Physical Metallurgy and Materials Engineering

<i>Name</i>	<i>Specialization</i>
<b>Chaudhari RV</b>	Homogeneous & Heterogenous Catalysis, Reaction Engineering, Multiphase Reactors, Biomass Conversion to Chemicals and Fuels
<b>Chaudhuri BB</b>	Computer Science and Engineering
<b>Chaudhuri S</b>	Computer Vision, Image Processing, Machine Learning and Haptics
<b>Chhabra RP</b>	Chemical Engineering
<b>Chockalingam A</b>	Electrical Engineering (Communications)
<b>Chokshi AH</b>	Metallurgy and Materials Science
<b>Choudhary VR</b>	Catalysis and Chemical Reaction Engineering
<b>Deb K</b>	Optimization and Evolutionary Computation
<b>Deekshatulu BL</b>	Image Processing, Remote Sensing, Control Systems
<b>Desai UB</b>	Wireless communication, Cyber Physical Systems, Internet of Things (IoT), Signal Processing, Image and Video Processing
<b>Dey GK</b>	Development of Zirconium, Niobium and Nickel Based Alloys, Amorphous Alloys, Electron Microscopy, Joining of Materials
<b>Dey Subhasish</b>	Applied Hydrodynamics, Turbulence, Fluvial Hydrodynamics
<b>Dutta Pradip</b>	Mechanical Engineering (Heat Transfer, Energy Sciences)
<b>Dutta Roy SC</b>	Circuits, Systems & Signal Processing
<b>Ganguly C</b>	Nuclear Fuels & Fuel Cycle, Nuclear Materials and Advanced Ceramics
<b>Ghosh A</b>	Mechanical Engineering
<b>Goel PS</b>	Satellite Control Systems, Space Technology
<b>Govindarajan Rama</b>	Fluid Dynamics
<b>Gupta NK</b>	Plasticity and Impact Mechanics
<b>Hari KVS</b>	Signal Processing
<b>Haritsa JR</b>	Computer Science (Database Systems)
<b>Jacob KT</b>	Materials Science and Processing, Thermodynamics of Materials, Phase Equilibria, Materials Extraction, Fuel Cells and Solid State Sensors, High Temperature Corrosion
<b>Jayaram V</b>	Materials Science and Engineering
<b>Jhunjhunwala A</b>	Decentralized Solar Power Systems, Electric Vehicles, Telecommunication, Wireless Communications, Computer Networks, Fibre Optics, Industry-Academia Interaction
<b>Joshi JB</b>	Chemical Engineering
<b>Kant Tarun</b>	Solid & Structural Mechanics
<b>Kapuria S</b>	Structural Mechanics, Multifunctional Structures
<b>Kasturirangan K</b>	Experimental Astronomy, Satellite Technology & Remote Sensing Systems
<b>Khakhar DV</b>	Chemical Engineering

<i>Name</i>	<i>Specialization</i>
<b>Krishnan R</b>	Physical Metallurgy, Materials Science
<b>Krupanidhi SB</b>	Physics of Materials, Epitaxial Multi-Component Oxides, Compound Semiconductors, Superlattices, Functional Devices & Applications
<b>Kumar Anurag</b>	Communication Networks: Stochastic Modelling, Analysis, Optimisation and Control Problems arising in Communication Networks (Wireline and Wireless) and Distributed Systems
<b>Kumar R</b>	Multiphase Phenomena
<b>Kumaran V</b>	Chemical Engineering
<b>Lele AK</b>	Chemical Engineering, Polymer Science and Engineering
<b>Lele S</b>	Physical Metallurgy & Materials Science
<b>Madras Giridhar</b>	Chemical Engineering
<b>Mahapatra Souvik</b>	Microelectronics and VLSI, Nanoelectronics
<b>Malhotra BD</b>	Advanced Soft Electronic Materials including Nano-Materials, Self-Assembled Monolayers, Langmuir-Blodgett Films, Hydrogels Conducting Polymers, Microfluids, Biofuel Cells, Sensors, Biosensors and Bio-Molecular Electronics
<b>Mallik AK</b>	Vibration Engineering, Kinematics
<b>Mallik RK</b>	Electrical Engineering (Communications)
<b>Manna I</b>	Materials Engineering, Phase Transformation, Surface Engineering, Bainitic Steel, Nanofluid
<b>Mashelkar RA</b>	Polymer Science and Engineering
<b>Mehta NB</b>	Wireless Communications
<b>Mitra S</b>	Machine Learning, Data Science, Deep Learning, Medical Imaging, Bioinformatics
<b>Mittal S</b>	Unsteady Aerodynamics, Finite Elements, High Performance Computing
<b>Munjal ML</b>	Technical Acoustics, Industrial Noise Control, Automotive Noise Control
<b>Murty BS</b>	Physical Metallurgy, Advanced Materials
<b>Narahari Y</b>	Computer Science and Electronics Commerce, Game Theory
<b>Narasimhan R</b>	Fracture Mechanics, Computational Solid Mechanics
<b>Pai MA</b>	Power System Dynamics, Power System Control & Computation
<b>Pal NR</b>	Computational Intelligence - Fuzzy Logic, Neural Networks and Evolutionary Computing, Machine Learning and Artificial Intelligence
<b>Pal SK</b>	Computer Science, Soft Computing and Machine Intelligence, Pattern Recognition and Image/Video Processing, Fuzzy Systems & Neural Learning, Data Mining and Social Network Analysis, Bioinformatics, Cognitive Machines and Machine-Mind Development, Data Science and Deep Learning

<i>Name</i>	<i>Specialization</i>
<b>Pandit AB</b>	Chemical Engineering, Design of Multiphase Reactors, Bubble Dynamics and Cavitation Phenomena
<b>Patnaik LM</b>	Computer Science and Engineering, Electronics & Information Technology
<b>Pradip</b>	Materials Science and Mineral Engineering, Particle Science and Technology
<b>Prasad S</b>	Signal Processing & Communications
<b>Prasad YVRK</b>	Metallurgical Engineering - Mechanical Metallurgy & Processing
<b>Prathap G</b>	Computational Mechanics, Informetrics
<b>Rajan BS</b>	Electrical Engineering (Communications)
<b>Rajaraman V</b>	Computer Science
<b>Ramamurthy U</b>	Mechanical Behavior of Materials, Advanced Materials and Manufacturing
<b>Ranade VV</b>	Chemical Engineering, Multiphase Reactors, Process Intensification, CFD
<b>Ranganathan S</b>	Physical Metallurgy & Materials Science
<b>Rao PR</b>	Physical & Mechanical Metallurgy
<b>Rao PVS</b>	Computer Science, Artificial Intelligence, Speech & Script Recognition, Natural Language Processing
<b>Rao VR</b>	Nanoelectronics
<b>Ratnasamy Paul</b>	Catalysis
<b>Reddy VU</b>	Signal Processing & Communications
<b>Sarma VVS</b>	Computer Science, Intelligent Systems and Indian Logic
<b>Sen S</b>	Computer Science (Algorithms)
<b>Sharma Anurag</b>	Photonics: Fiber & Integrated Optics, Gradient-Index Optics, Applied Optics
<b>Sharma Ashutosh</b>	Nanotechnology, Patterning and Self-Organization of Soft Materials, Meso-mechanics, Colloid and Interface Science, Thin Films, Membranes, Functional Nanomaterials for Energy, Environment, Health and Sensors
<b>Sharma MM</b>	Multiphase Reactions and Reactors
<b>Shyamasundar RK</b>	Computer Science
<b>Singh Bhim</b>	Electrical Engineering
<b>Siva Ram Murthy C</b>	Computer Science (Parallel and Distributed Computing, Real-Time Systems, Computer Networks)
<b>Sivaram S</b>	Polymer Science
<b>Sridharan A</b>	Engineering, Properties of Clays
<b>Subbarao EC</b>	Materials Science, R&D Management
<b>Sukhatme SP</b>	Heat Transfer & Energy
<b>Sundararajan G</b>	Surface Engineering & Deformation Behaviour

<i>Name</i>	<i>Specialization</i>
<b>Surappa MK</b>	Material Processing, Solidification Processing of Metal Matrix Composites, Tribology of MMCs
<b>Venkatesh YV</b>	System Theory, Signal Processing, Machine & Computer Vision and Neural Networks, Biometrics and Hyperspectral Satellite Image Analysis
<b>Vidyasagar M</b>	Machine Learning, Control Theory, Statistical Learning Theory, Computational Biology
<b>Vijay Kumar P</b>	Electrical Communication Engineering: Error-Correcting Codes, Wireless Communication
<b>Viswanadham N</b>	Global Supply Chain Ecosystems, Logistics, Platform Business Models, Resilience in Business Ecosystems
<b>Yadav GD</b>	Chemical Engineering, Green Chemistry and Engineering, Catalysis Science and Engineering, Energy Engineering.
<b>Yegnanarayana B</b>	Signal Processing, Speech, Vision, and Neural Networks

## SECTIONAL COMMITTEE – VI

*General Biology: Taxonomy, Structure, Ecology, Environmental Biology, Evolution and Behaviour of Plants, Animals and Microbes including Unicellular Eukaryotes*

*Total Fellows: 63*

<i>Name</i>	<i>Specialization</i>
<b>Agrawal M</b>	Ecology and Environmental Science (Air Pollution, Global Environmental Change, Food Chain Contamination)
<b>Bhattacharya Samir</b>	Comparative Endocrinology and Molecular Signaling
<b>Borges RM</b>	Evolutionary Ecology
<b>Datta Munshi JS</b>	Fish & Fisheries, Ecology & Cell Biology
<b>Gadagkar R</b>	Animal Behaviour, Ecology & Evolution
<b>Gadgil MD</b>	Ecology, Environment & Development
<b>Ganeshiah KNG</b>	Plant Reproductive Ecology, Conservation Biology, Insect Behaviour & Crop Breeding
<b>Gupta PK</b>	Cytogenetics, Plant Breeding & Biotechnology
<b>Jairajpuri MS</b>	Nematology, Parasitology, Taxonomy, Biological Diversity
<b>Joshi A</b>	Evolutionary Genetics and Population Ecology
<b>Kamboj VP</b>	Drug/Vaccine Development, Reproductive Biology, Contraception and Endocrinology
<b>Kesavan PC</b>	Radiation Biology, Genetics, Biodiversity, Sustainability Science
<b>Kohli RK</b>	Physiological Ecology, Invasion Plant Ecology, Forestry
<b>Kumar HD</b>	Algae, Ecology & Microbial Biotechnology

<i>Name</i>	<i>Specialization</i>
<b>Kumar Vinod</b>	Chronobiology, Behavioural Neuroendocrinology, Temporal Ecology
<b>Lavania UC</b>	General and Molecular Cytogenetics, Molecular Systematics and Chromosome Evolution, Medicinal and Aromatic Plants, Phytotechnologies
<b>Majumdar SS</b>	Transgenic Animals and Endocrinology
<b>Malhotra KC</b>	Human Ecology
<b>Mallick N</b>	Algal Biotechnology
<b>Marimuthu G</b>	Animal Behaviour and Chronobiology
<b>Meher-Homji VM</b>	Ecology, Bioclimatology & Plant Geography
<b>Muralidhar K</b>	Biochemistry & Endocrinology
<b>Nagabushanam R</b>	Animal Physiology & Invertebrate Endocrinology
<b>Nanjundiah V</b>	Developmental Biology, Evolution, Theoretical Biology
<b>Nath U</b>	Leaf Morphogenesis
<b>Pandian TJ</b>	Animal Sciences & Fish Genetics
<b>Pandit MK</b>	Plant Sciences, Ecogenomics, Conservation Biology
<b>Prasad NG</b>	Evolutionary Genetics
<b>Prasada Rao PD</b>	Neuroendocrinology, Neurobiology & Fisheries
<b>Rai LC</b>	Algology, Environmental & Agricultural Microbiology, Molecular Biology
<b>Ramakrishnan PS</b>	Ecology & Sustainable Development
<b>Ramakrishnan U</b>	Molecular Ecology, Population Genetics, Conservation Biology
<b>Ramamurthi R</b>	Animal Physiology, Biodiversity & Environmental Biology
<b>Ramamurthy T</b>	Microbiology and Molecular Microbiology
<b>Ranganath HA</b>	Zoology, Genetics and Evolution
<b>Rangaswamy NS</b>	Experimental Embryology & Tissue Culture
<b>Rao AJ</b>	Reproductive Biology
<b>Rao RR</b>	Plant Taxonomy, Biodiversity, Phytogeography, Conservation and Ethnobotany
<b>Rao SRV</b>	Cytogenetics
<b>Sabu M</b>	Angiosperm Taxonomy, Reproductive Biology, Floristics
<b>Saidapur SK</b>	Biology of Reproduction, Comparative Endocrinology & Animal Behaviour
<b>Sangwan NS</b>	Plant Sciences
<b>Sanjappa M</b>	Plant Taxonomy & Conservation
<b>Sankaran Mahesh</b>	Ecology
<b>Senthilkumar B</b>	Fish Molecular Endocrinology, Developmental Biology and Reproductive Biology
<b>Setty BS</b>	Reproductive Biology, Fertility Regulation

<b>Name</b>	<b>Specialization</b>
<b>Shah JJ</b>	Plant Anatomy & Wood Science
<b>Shah RV</b>	Comp Anatomy, General Developmental Physiology
<b>Shanbhag BA</b>	Biology of Reproduction and Endocrinology, Behavioral Ecology.
<b>Sharma Eklabya</b>	Ecology
<b>Shivanna KR</b>	Reproductive Biology particularly Pollen Biology and Biotechnology, and Conservation Biology
<b>Shouche Yogesh</b>	Microbial Diversity, Human Microbiome, Microbial Taxonomy
<b>Siddavattam D</b>	Microbiology
<b>Singh Inderjit</b>	Plant Ecology
<b>Singh JS</b>	Ecology, Ecosystems Analysis & Ecophysiology
<b>Singh Mewa</b>	Ecology, Animal Behaviour
<b>Singh PK</b>	Plant Sciences, Microbiology, Algology, Sustainable Agriculture, Research Management
<b>Singh SP</b>	Ecology, Ecosystem Services, Himalayan Tree Lines and Climate Change
<b>Subramoniam T</b>	Invertebrate Reproductive Biology & Cryobiology
<b>Sukumar R</b>	Ecology
<b>Tahseen Q</b>	Taxonomy and Biology of Fresh water and Soil-Inhabiting Nematodes
<b>Upreti DK</b>	Lichenology, Biosystematics, Environmental Studies
<b>Yadav SR</b>	Angiosperm Taxonomy

## SECTIONAL COMMITTEE – VII

**Molecular and Cellular Biology:** *Cell Biology, Physiology, Development, Genetics, Genomics and other Omics of Plants, Animals and Microbes including Unicellular Eukaryotes*

*Total Fellows: 74*

<b>Name</b>	<b>Specialization</b>
<b>Apte SK</b>	Molecular Biology, Biochemistry, Microbial and Plant Biotechnology
<b>Bapat VA</b>	Plant Biotechnology and Genetic Engineering
<b>Basak Soumen</b>	Immunology, Cancer Biology, Systems Biology, Virology, Cell Signaling
<b>Bhatnagar RK</b>	Molecular Biology
<b>Brahmachari Vani</b>	Epigenetics and Development Biology, Molecular Genetics
<b>Chakraborty N</b>	Plant Molecular Biology, Plant Proteomics
<b>Chakraborty Subhra</b>	Nutritional and Stress Genomics, Plant Immunity, Plant Proteomics, Molecular Biology & Biotechnology

<i>Name</i>	<i>Specialization</i>
<b>Chakraborty S</b>	Biology of Plant Virus Interactions
<b>Chandra HGS</b>	Human Genetics, Evolution
<b>Chatterjee S</b>	Molecular Microbiology, Quorum Sensing, Plant-Microbe Interaction
<b>Chattopadhyay D</b>	Plant Biology, Plant Genomics
<b>Chattopadhyay S</b>	Plant Sciences (Developmental Biology)
<b>Das Sampa</b>	Plant Molecular Biology, Plant Biotechnology
<b>Dasgupta M</b>	Symbiotic Nitrogen Fixation
<b>Dass CMS</b>	Cell Biology - Cellular Ultrastructure & Function, Silk Worm Pathology
<b>Datta Kasturi</b>	Biotechnology, Molecular & Cell Biology
<b>Dhawan J</b>	Biology of Quiescent Adult Stem Cells
<b>Dighe RR</b>	Molecular Endocrinology, Reproductive Biology, Biotechnology
<b>Galande SA</b>	Chromatin Biology
<b>Ghosh B</b>	Biochemistry, Immunology, Molecular Genetics
<b>Gowrishankar J</b>	Microbial Genetics and Physiology, Molecular Biology and Biotechnology
<b>Grover Anil</b>	Heat Stress Responses of Plants
<b>Hasan Gaiti</b>	Molecular Genetics, Intracellular Calcium Signalling and Neurobiology
<b>Hasnain SE</b>	Functional Biology, Molecular Pathogenesis & Dissemination Dynamics of Human Pathogens particularly <i>M. tuberculosis</i>
<b>Inamdar MS</b>	Stem Cell Biology, Cardiovascular Development, Hematopoiesis, Angiogenesis
<b>Jha B</b>	Plant Molecular Biology & Biotechnology, Stress Genomics, Coastal & Marine Biotechnology, Gene Mining and Translational Research
<b>Johri MM</b>	Molecular Biology of Plants
<b>Joy KP</b>	Neuroendocrinology, Reproductive Endocrinology
<b>Kasbekar DP</b>	Fungal Genetics and Molecular Biology
<b>Khanna-Chopra R</b>	Plant Physiology, Stress Physiology, Biochemistry
<b>Khosla S</b>	Epigenetics, Host-pathogen Interactions
<b>Khurana P</b>	Plant Biotechnology, Molecular Biology, Genomics
<b>Kirti PB</b>	Plant Molecular Biology
<b>Kolthur-Seetharam Ullas</b>	Molecular Physiology Chromatin & Gene Expression Mitochondria & Metabolism Aging & Metabolic Diseases
<b>Kundu TK</b>	Regulation of Gene Expression (Transcription) in Humans with Special Emphasis on Disease and Therapeutics and Related Chemical Biology

<i>Name</i>	<i>Specialization</i>
<b>Lahiri Majumder AN</b>	Plant Biochemistry & Molecular Biology, Plant Biotechnology
<b>Lakhotia SC</b>	Cytogenetics, Molecular Genetics & Cell Biology, Ayurvedic Biology
<b>Lal Rup</b>	Microbial Diversity, Genomics and Metagenomics
<b>Laxmi Ashverya</b>	Plant Physiology and Molecular Biology
<b>Mahale SD</b>	Reproductive Physiology
<b>Majumder HK</b>	Molecular Parasitology, Molecular Biology, Biochemistry
<b>Mallik Roop</b>	Intracellular Transport and Membrane Biology
<b>Mukherjee SK</b>	Plant Molecular Biology
<b>Mukhopadhyay A</b>	Molecular Genetics of Aging
<b>Nandicoori VK</b>	Microbiology, Molecular Biology and Cell Signalling
<b>Parnaik Veena K</b>	Cell and Molecular Biology
<b>Pucadyil Thomas</b>	Biochemistry/ Cell Biology
<b>Purohit AN</b>	Environmental Plant Physiology, Physiology and Biochemistry of Medicinal Plants
<b>Raghavendra AS</b>	Botany, Plant Biochemistry, Molecular Plant Physiology and Plant Metabolomics
<b>Rajasekharan R</b>	Plant Lipid Metabolism
<b>Rangarajan PN</b>	Eukaryotic Gene Expression & Infectious Diseases
<b>Rao KV</b>	Plant Molecular Biology
<b>Ray K</b>	Molecular Cell Biology of Spermatogenesis and Intra-Cellular Transport in <i>Drosophila</i>
<b>Reddy Manjula Nallamala</b>	Biological Sciences/ Microbial Biology
<b>Sachar RC</b>	Biochemistry & Molecular Biology
<b>Sane PV</b>	Photosynthesis, Plant Physiology, Biochemistry & Molecular Biology
<b>Savithri HS</b>	Plant Molecular Virology, Enzymology, Protein Chemistry
<b>Sawhney SK</b>	Plant Biochemistry
<b>Shashidhara LS</b>	Genetics and Developmental Biology
<b>Siddiqi I</b>	Plant Molecular Genetics
<b>Singla-Pareek SL</b>	Plant Stress Biology and Crop Biotechnology
<b>Sinha AK</b>	Plant Physiology and Molecular Biology
<b>Sobti RC</b>	Cell Biology, Molecular Genetics Cytogenetics, Animals and Humans
<b>Sopory SK</b>	Molecular Plant Physiology
<b>Srinivasan MC</b>	Mycology, Industrial Microbiology & Enzyme Technology
<b>Tewari HB</b>	Cell Biology, Histochemistry & Neurochemistry
<b>Tripathi AK</b>	Molecular Microbiology (Agricultural & Environmental)
<b>Tripathy BC</b>	Plant Physiology, Plant Biotechnology

<i>Name</i>	<i>Specialization</i>
<b>Tuteja N</b>	Plant Molecular Biology, Plant and Animal Biotechnology, Agriculture, DNA/RNA Helicases, Plant Abiotic and Biotic Stress Tolerance, Plant-Microbes Interactions
<b>Tyagi AK</b>	Plant Biology
<b>Upadhyaya KC</b>	Molecular Genetics and Genomics, Plant Molecular Biology and Biotechnology
<b>Veluthambi K</b>	Plant Sciences, Plant Biotechnology, Plant Virology
<b>VijayRaghavan K</b>	Developmental Biology and Genetics
<b>Vijayraghavan Usha</b>	Molecular Genetics, Plant Development

### SECTIONAL COMMITTEE – VIII

*Biomolecular, Structural Biology and Drug Discovery: Biochemistry, Biophysics, Molecular Biology, Pharmacology, Structural Biology, Bioinformatics, Computational Biology, System Biology*

*Total Fellows: 99*

<i>Name</i>	<i>Specialization</i>
<b>Adhya Samit</b>	Molecular Biology
<b>Ahmad F</b>	Biophysical Chemistry and Biochemistry
<b>Bachhawat AK</b>	Microbial Genetics & Biochemistry / Yeast Glutathione & Sulphur Metabolism
<b>Balaram H</b>	Biochemistry, Metabolism, Molecular Parasitology, Molecular Enzymology
<b>Balaram P</b>	Chemical Biology and Molecular Biophysics
<b>Balasubramanian D</b>	Biophysical Chemistry, Biomolecular Interactions, Ocular Biochemistry, Protein Structure
<b>Bandyopadhyay Uday</b>	Biochemistry and Cell Biology
<b>Banerjee RK</b>	Cell Biology, Molecular Enzymology
<b>Bansal Manju</b>	Molecular Biophysics, Structural and Computational Biology
<b>Basu Joyoti</b>	Molecular and Cellular Biology with Special Reference to Mycobacteria
<b>Basu SK</b>	Biochemistry, Molecular Biology & Genetics
<b>Batra JK</b>	Biochemistry, Molecular Biology
<b>Bhalla US</b>	Computation Neuro Science, Neuro Biology
<b>Bhattacharya Alok</b>	Molecular Parasitology, Genomics, Bioinformatics
<b>Bhattacharya Sudha</b>	Molecular Biology, Molecular Parasitology
<b>Bhattacharyya SN</b>	Molecular Cell Biology
<b>Brahmachari SK</b>	Structural Biology, Functional Genomics, Open Source Drug Discovery

<i>Name</i>	<i>Specialization</i>
<b>Chakrabarti P</b>	Molecular Biophysics, X-ray Crystallography and Structural Biology, Bioinformatics
<b>Chandra Nagasuma</b>	Systems Biology
<b>Chary KVR</b>	Molecular Biophysics, Structural Biology and NMR Spectroscopy
<b>Chatterjee SN</b>	Biophysics, Microbiology, Molecular and Genetic Toxicology, Free Radicals Biology
<b>Chatterji D</b>	Biophysical Chemistry, Molecular Biology & Nanobiology
<b>Chattopadhyay A</b>	Membrane/ G Protein-coupled Receptor Biophysics & Biology, Fluorescence Spectroscopy & Microscopy
<b>Chauhan VS</b>	Peptides as Self Organising System and Drug Delivery Platforms, Malaria Immunology, Subunit Vaccine and Malaria Drug Development
<b>Das HK</b>	Biochemistry, Molecular Biology & Recombinant DNA Technology
<b>Das PK</b>	Biochemistry, Cell Biology, Molecular Parasitology
<b>Das Saumitra</b>	Molecular Virology and Molecular Biology
<b>Dasgupta CK</b>	Biochemistry and Biophysics
<b>Datta AK</b>	Enzymology, Molecular Biology, Parasitology
<b>Datta Asis</b>	Biochemistry, Molecular Biology & Genetic Engineering
<b>Dhar SK</b>	Biochemistry, Molecular Biology, Cell Biology, Parasitology
<b>Dikshit KL</b>	Molecular Biology, Biochemistry
<b>Dikshit M</b>	Molecular Pharmacology
<b>Durga Rao C</b>	Virology, Cell and Molecular Biology, Biotechnology
<b>Easwaran KRK</b>	Molecular Biophysics, Membrane Biophysics, Structural Biology
<b>Gokhale RS</b>	Chemical Biology
<b>Gopal B</b>	Structural Biology
<b>Gopinathan KP</b>	Molecular Biology & Biotechnology
<b>Gourinath S</b>	Structural Biology (Infectious Disease)
<b>Gupta CM</b>	Membrane Biology and Bio-Organic Chemistry
<b>Gupta KC</b>	Nucleic Acid Chemistry, Nanobiotechnology
<b>Gupta MN</b>	Biochemistry
<b>Habib Saman</b>	Malaria Parasite Biology, Human Genetic Factors and Malaria Susceptibility
<b>Hosur MV</b>	Biophysics, X-ray Crystallography
<b>Kannan KK</b>	Macromolecular Crystallography, Molecular Biology
<b>Khanna NC</b>	Biotechnology: Recombinant Proteins of Medical Use
<b>Kolaskar AS</b>	Molecular Biophysics, Bioinformatics
<b>Krishnamoorthy G</b>	Biophysical Laser Spectroscopy, Macromolecular Dynamics
<b>Kumar Anil</b>	Nuclear Magnetic Resonance Spectroscopy & Applications to Biomolecules and Quantum Computing

<i>Name</i>	<i>Specialization</i>
<b>Maiti S</b>	Chemical Biology and Biophysics
<b>Malhotra Pawan</b>	Parasitology and Protein Biochemistry
<b>Mandal NC</b>	Molecular Biology
<b>Mande SC</b>	Biophysics
<b>Mayor S</b>	Cell Biology
<b>Mishra RK</b>	Genomics of the non-coding DNA & Epigenetic Regulation and Development
<b>Mohan Rao C</b>	Biophysical Chemistry and Molecular Biology, Protein Folding in Health and Disease, Molecular Diagnostics, Microfluidics and Nanobiology
<b>Mohanty D</b>	Computational Biology & Bioinformatics
<b>Mukhopadhyay A</b>	Cell Biology
<b>Muniyappa K</b>	Molecular Genetics, Molecular Cell Biology, Functional Genomics
<b>Murthy MRN</b>	X-ray Diffraction, Macromolecular Crystallography, Protein Structure and Function, Virus Structure and Assembly
<b>Nagaraj R</b>	Peptide Biochemistry, Membrane Biochemistry
<b>Nagaraja V</b>	Molecular Biology of Mycobacteria, Regulation of Gene Expression and Protein-DNA Interactions
<b>Nagaraju Ganesh</b>	DNA Damage Responses, Cell Biology and Cancer Biology
<b>Padmanaban G</b>	Biochemistry, Molecular Biology & Malaria
<b>Panda Dulal</b>	Biochemistry, Cell Biology and Biophysics
<b>Prasad R</b>	Membrane Biology, Biochemistry, Fungal Genetics
<b>Raghava GPS</b>	Bioinformatics
<b>Ramakrishnan C</b>	Molecular Biophysics
<b>Rao BJ</b>	Molecular basis of Genome Dynamics Biophysics of Genome Repair Complexes
<b>Rao DN</b>	Protein- DNA Interactions
<b>Rao MRS</b>	Molecular & Cell Biology, Genomics and Human Molecular Genetics
<b>Rao NA</b>	Enzyme Regulation and Kinetics & Human Genetics
<b>Roy RP</b>	Biochemistry, Synthetic Protein Chemistry Chemical Biology
<b>Roy S</b>	Biophysics, Biochemistry, Structural Biology, Chemical Biology
<b>Sahni G</b>	Enzymology, Protein Engineering
<b>Sahu AK</b>	Complement Biology, Molecular Virology
<b>Salunke DM</b>	Structural Biology, Macromolecular Crystallography, Molecular Biophysics
<b>Sankaranarayanan R</b>	Structural Biology
<b>Saran Anil</b>	Molecular Biophysics & Biomolecular NMR
<b>Sarkar DP</b>	Biochemistry, Molecular Virology, Molecular Cell Biology, Cell Signaling, Biotechnology & Membrane Biology

<i>Name</i>	<i>Specialization</i>
<b>Sasisekharan V</b>	Biomolecular Structure & Function
<b>Sen Ranjan</b>	Microbiology, Biochemistry
<b>Shaha C</b>	Cell Biology, Biochemistry
<b>Sharma P</b>	Signal Transduction, Biochemistry, Malaria, Neuroscience
<b>Sharma Y</b>	Biophysics
<b>Singh TP</b>	Structural Biology, X-ray Crystallography, Protein Structures, Peptide Design and Drug Discovery
<b>Sinha Somdatta</b>	Theoretical and Computational Biology, Complex Systems
<b>Sowdhamini R</b>	Structural Bioinformatics, Protein Sequence Analysis, Genome Analysis, Function Prediction
<b>Subba Rao PV</b>	Biochemistry, Immunology, Biotechnology
<b>Surolia A</b>	Protein Folding, Function & Design, Tuberculosis
<b>Swarup G</b>	Molecular and Cell Biology, Molecular Basis of Disease, Cell Signalling, Membrane Vesicle Trafficking
<b>Tyagi Anil K</b>	Biochemistry, Molecular Biology
<b>Tyagi JS</b>	Mycobacteriology, Molecular Biology
<b>Udgaonkar JB</b>	Physical Biochemistry
<b>Varadarajan R</b>	Protein Structure and Folding
<b>Varadarajan S</b>	Organic and Biological Chemistry, Molecular Biology, Biotechnology, Engineering Design, Technology Development Transfer, Manufacture, Market Development, New Product Development and Application, Human Nutrition, Policy, Energy, Management Systems
<b>Varshney U</b>	Molecular Biology
<b>Vijayan M</b>	Molecular Biophysics, Biological Crystallography and Structural Biology
<b>Visweswariah SS</b>	Biochemistry, Cell Biology

## SECTIONAL COMMITTEE – IX

*Health Sciences: Basic and Clinical Medical Sciences—Communicable and Non-communicable Diseases, Epidemiology, Anthropology, Psychology, Cognitive and Neurosciences, Medical Genetics and Genomics, Public Health, Nutrition, Immunology*

*Total Fellows: 124*

<i>Name</i>	<i>Specialization</i>
<b>Acharya SK</b>	Gastro Enterology, Hepatology
<b>Agarwal KN</b>	Pediatrics - Nutrition, Growth & Development
<b>Aggarwal R</b>	Medical Sciences, Gastroenterology, Liver Disease, Viral Hepatitis, Epidemiology, Health Economics

<i>Name</i>	<i>Specialization</i>
<b>Agrawal A</b>	Medicine, Respiratory Disease Biology, Molecular Physiology
<b>Agrewala JN</b>	Immunology, Tuberculosis, Vaccines, Gut Microbiome
<b>Ali Nahid</b>	Biochemistry/Immunology
<b>Ali Sher</b>	Molecular Genetics of Human and Animal Systems
<b>Anand Anuranjan</b>	Human Genetics and Genomics
<b>Anand Ashima</b>	Cardiorespiratory & Neuro-physiology
<b>Arankalle VA</b>	Virology, Biotechnology, Vaccinology
<b>Awasthi Shally</b>	Pediatrics
<b>Bakhshi Sameer</b>	Pediatric and Medical Oncology
<b>Balaji KN</b>	Immunology, Infectious Diseases, Cell Biology
<b>Bamezai RNK</b>	Genetics, Human Genetics
<b>Bamji Mahtab S</b>	Biochemistry, Nutrition
<b>Banerjea AC</b>	Viral Pathogenesis and Gene Therapy
<b>Basu Anirban</b>	Neurovirology, Neurobiology, Molecular Medicine and Drug Repurposing
<b>Bhandari Nita</b>	Nutrition, Child Health, Vaccinology
<b>Bhargava B</b>	Medicine (Cardiology) and Medtech Innovation
<b>Bhatnagar R</b>	Microbiology, Immunology
<b>Bhatnagar Shinjini</b>	Health Sciences
<b>Bhattacharya SK</b>	Diarrhoeal Diseases, HIV/AIDS, Kala-azar, Infectious Diseases
<b>Bhisey RA</b>	Environmental Carcinogenesis, Molecular Epidemiology
<b>Chakrabarti S</b>	Viral Diseases with Special Emphasis on Genetic Characterization of Viruses and Mechanism of Pathogenesis
<b>Chakraborti PK</b>	Molecular Biology & Biochemistry, Molecular Microbiology
<b>Chakravorty D</b>	Microbiology, Infectious Diseases
<b>Chandak GR</b>	Human and Medical Genetics
<b>Chatterjee M</b>	Immunopharmacology, Leishmania Biology
<b>Chattopadhyay S</b>	Gene Regulation, Cancer Biology and Immunology
<b>Chaturvedi UC</b>	Medical Microbiology, Virology, Immunology
<b>Chawla-Sarkar M</b>	Molecular Virology
<b>Chitnis CE</b>	Molecular Parasitology
<b>Chowdhury A</b>	Health Sciences: Hepatology
<b>Das BC</b>	Molecular Cancer & Stem Cell Biology, Tumor Virology and Human Molecular Genetics
<b>Das Pradeep</b>	Medical Biotechnology and Molecular Parasitology
<b>Dash D</b>	Biochemistry, Thrombus/Platelet Biology, Translational Nanomedicine
<b>Deo MG</b>	Pathology, Oncology, Molecular Medicine

<i>Name</i>	<i>Specialization</i>
<b>Dey CS</b>	Cell Biology, Molecular Biology, Insulin Signaling, Diabetes, Drug Resistance in Leishmania
<b>Dube Anuradha</b>	Medical Parasitology (Leishmaniasis)
<b>Ehtesham NZ</b>	Biomedical Sciences
<b>Gangal SG</b>	Cancer Immunology, Basic Immunology Genetic Diseases
<b>Ganguly NK</b>	Microbiology, Immunology, Biotechnology, Infectious Disease Public Health and Policy
<b>Garg LC</b>	Infectious Diseases, Gene Expression, Vaccine Development
<b>Garg PK</b>	Medicine, Gastroenterology, Pancreatology
<b>Ghosh A</b>	Molecular Biology of Vibrio cholera
<b>Giri AK</b>	Genetic Toxicology, Environmental Mutagenesis, Human Genetics and Genomics, Monitoring of Human Population Exposed to Environmental Mutagens and Carcinogens
<b>Gupta SK</b>	Reproductive Biology/Immunology, Vaccine Development
<b>Jagannathan NR</b>	Clinical and Pre-clinical Cancer Research using Molecular Imaging/Magnetic Resonance Imaging (MRI) & in-vivo NMR Spectroscopy/Functional MRI Studies/NMR Metabolomics/Biophysics
<b>Jain N</b>	Neuroscience
<b>Jameel S</b>	Virology
<b>John TJ</b>	Medicine: Paediatrics, Microbiology & Virology
<b>Kang G</b>	Medicine, Microbiology, Vaccines, Enteric Infections, Public Health
<b>Kar Premashis</b>	Gastroenterology
<b>Katoch VM</b>	Microbiology and Molecular Biology of Mycobacteria/ Mycobacteriology
<b>Kaul Deepak</b>	Molecular Medicine, Functional Genomics, Genomic Immunity
<b>Kochupillai NP</b>	Endocrinology, Metabolism, Diabetes & Biotechnology
<b>Kondaiah P</b>	Cancer Biology and Biomarkers, Cancer Therapeutics, Gene Regulation by Steroid Hormones
<b>Krishnaswamy K</b>	Internal Medicine
<b>Luthra UK</b>	Pathology, Cytopathology, Cancer Research, Medical Research
<b>Madhubala R</b>	Molecular Parasitology, Functional Genomics
<b>Majumder PP</b>	Human Genetics, Genetic Epidemiology Biostatistics
<b>Mallick BN</b>	Physiology, Neurobiology/Neurophysiology of Sleep-Wakefulness
<b>Mandal C</b>	Cancer Biology, Glycobiology, Immunology
<b>Mandal M</b>	Cancer Biology
<b>Mathan MM</b>	Pathology, Electron Microscopy
<b>Mathan VI</b>	Gastroenterology and Epidemiology

<i>Name</i>	<i>Specialization</i>
<b>Mathur Asha</b>	Medical Microbiology, Virology, Immunology
<b>Mehra NK</b>	Transplantation Immunology, HLA and Clinical Immunogenetics
<b>Mishra AC</b>	Epidemiology & Natural Cycle of Viral Diseases
<b>Mishra GC</b>	Immunology
<b>Misra UK</b>	Neurology
<b>Mitra Debashis</b>	Molecular Virology and Molecular Immunology
<b>Mittra I</b>	Oncology/Cancer Surgery, Fundamental, Clinical and Public Health Research in Cancer
<b>Mohan V</b>	Medicine- Diabetes Mellitus
<b>Mukhopadhyay S</b>	Immunology and Infection Biology
<b>Muthukkaruppan V</b>	Immunology, Ocular Diseases, Stem Cell Biology
<b>Nair GB</b>	Medical and Molecular Microbiology
<b>Nayak NC</b>	Pathology, Liver Diseases & Cancer
<b>Panda SK</b>	Liver Pathology and Virology of Hepatitis Viruses
<b>Paul VK</b>	Pediatrics, Health Sciences, Basic and Clinical Sciences/ Public Health
<b>Pillai MR</b>	Disease Biology
<b>Prabhakaran Dorairaj</b>	Cardiology, Epidemiology and Public Health
<b>Qadri Ayub</b>	Immunology
<b>Ramakrishna BS</b>	Gastroenterology
<b>Raman R</b>	Molecular Cytogenetics, Human Genetics
<b>Rao KVS</b>	Immunology
<b>Ravindranath V</b>	Neuroscience
<b>Reddy V</b>	Nutrition
<b>Rout D</b>	Neurosurgery, Micro-neurosurgery, Microvascular Surgery & Neurosciences
<b>Roy Syamal</b>	Parasitology, Immunology
<b>Roychoudhury S</b>	Cancer Biology
<b>Saha B</b>	Immunology
<b>Salotra P</b>	Molecular Parasitology and Immunology
<b>Sanyal K</b>	Genetics and Genomics of Human Fungal Pathogens, Eukaryotic Chromosome Segregation
<b>Sarin SK</b>	Hepatology and Gastroenterology
<b>Sarkar C</b>	Neuropathology and Neurooncology
<b>Sarkar PK</b>	Neurodegenerative Diseases, Molecular Neurobiology, Neuroendocrinology
<b>Saxena RK</b>	Immunology, Nanotoxicology, Nanosciences, Biotechnology, Pulmonary Immune Responses and Effect of Environmental Pollutants, Erythrocyte turnover

<i>Name</i>	<i>Specialization</i>
<b>Sengupta S</b>	Cancer Biology, Cell Biology, DNA Damage Response, DNA Repair, Mitochondria Biology
<b>Seth PK</b>	Biochemical Pharmacology & Toxicology, Neurotoxicology, Neurochemistry, Biotechnology
<b>Sharma S</b>	Parasite Biology and Immunology
<b>Sharma SK</b>	General Medicine; Pulmonary, Critical Care and Sleep Medicine & Infectious Diseases
<b>Sharma YD</b>	Molecular Parasitology, Malaria, Molecular Epidemiology
<b>Singh Y</b>	Bacterial Pathogenesis, Bacterial Protein Toxins, Signal Transduction in Bacteria
<b>Sinha S</b>	Molecular Medicine, Oncology(Glioma) and Immunology
<b>Somasundaram K</b>	Cancer Biology, Virology, Genetics
<b>Srimal RC</b>	Pharmacology, Natural Products & Toxicology
<b>Srivastava MVP</b>	Medicine (Neurology)
<b>Subbarao SK</b>	Insect Genetics, Cytogenetics, Molecular Entomology & Epidemiology, Transmission Dynamics and Control of Vector-borne Diseases with Special Interest in Malariology and Vectors Transmitting Dengue, Chikungunya and Zika
<b>Sundar Shyam</b>	Medicine, Infectious Diseases, Visceral Leishmaniasis, HIV Medicine
<b>Swaminathan S</b>	Clinical Medical Sciences
<b>Talwar GP</b>	Biomedical Research
<b>Talwar KK</b>	Cardiology
<b>Tandon PN</b>	Neurosurgery
<b>Thangaraj K</b>	Population Genetics and Evolutionary Biology, Clinical and Medical Genetics, Ancient DNA and Forensic Genetics
<b>Thelma BK</b>	Cytogenetics, Human Genetics and Medical Genomics
<b>Tole Shubha</b>	Neuroscience
<b>Vaidya VA</b>	Neuroscience
<b>Valiathan MVS</b>	Cardiac Surgery
<b>Vijayachari Paluru</b>	Medicine, Molecular Medical Microbiology
<b>Vrati Sudhanshu</b>	Virology, Vaccinology
<b>Wani MR</b>	Bone Remodeling and Regenerative Medicine
<b>Yajnik CS</b>	Medicine (Diabetologist)

**SECTIONAL COMMITTEE – X**

**Agricultural Sciences:** *Agriculture, Horticulture, Forestry, Fisheries, Food Science, Veterinary Science, Pathogen Biology and Host Pathogen Interaction Both Plant and Veterinary Importance*

*Total Fellows: 62*

<b>Name</b>	<b>Specialization</b>
<b>Abrol IP</b>	Soil Science, Sustainable Agriculture, Research Management
<b>Adhya TK</b>	Environmental Microbiology
<b>Arunachalam V</b>	Quantitative Genetics, Plant Breeding, Biodiversity
<b>Bagyaraj DJ</b>	Agricultural Microbiology, Mycorrhizal Symbiosis
<b>Balyan HS</b>	Genetics, Plant Breeding & Crop Biotechnology
<b>Bhatia C</b>	Genetics, Plant Breeding, Agriculture, Biotechnology
<b>Chauhan MS</b>	Animal Reproduction Assisted Reproduction Technology, IVF, Stem Cell Culture, Animal Cloning and Transgenesis
<b>Das P</b>	Biotechnology of Woody Plants & Horticultural Crops
<b>Dasgupta Indranil</b>	Plant Viruses and Plant-Virus Interactions
<b>Datta SK</b>	Plant Biotechnology
<b>Dhillon BS</b>	Agricultural Sciences-Genetics
<b>Ghosh K</b>	Agricultural Chemistry and Soil Science
<b>Gill BS</b>	Tropical Veterinary Medicine
<b>Gupta RK</b>	Soil Science, Land Reclamation, Irrigation Water Quality and Conservation Agriculture
<b>Husain A</b>	Plant Pathology
<b>Joshi AK</b>	Agricultural Sciences
<b>Khehra AS</b>	Plant Breeding & Quantitative Genetics
<b>Khush GS</b>	Plant Breeding & Genetics
<b>Madan Mohan</b>	Agricultural Biotechnology
<b>Mohapatra T</b>	Agricultural Biotechnology
<b>Mukherjee PK</b>	Plant Pathology, Biocontrol, Fungal Genetics
<b>Narain P</b>	Statistical Genetics and Agricultural Statistics
<b>Nautiyal CS</b>	Plant-Microbe Interactions & Soil Microbiology
<b>Palni LMS</b>	Plant Physiology & Biotechnology, Plant-Microbe Interactions, Himalayan Issues
<b>Parida SK</b>	Genomics-Assisted Breeding for Crop Improvement, Molecular Genetics, Molecular Breeding, Agriculture Biotechnology
<b>Paroda RS</b>	Plant Breeding & Genetics
<b>Pathak H</b>	Agricultural Sciences
<b>Pental D</b>	Breeding of Mustard, Transgenic Crops
<b>Podile AR</b>	Plant-Microbe Interactions

<i>Name</i>	<i>Specialization</i>
<b>Pradhan AK</b>	Plant Genetics and Molecular Plant Breeding
<b>Prasad Manoj</b>	Plant Genetics & Genomics, Stress Biology
<b>Prasad R</b>	Agronomy, Soil Fertility & Fertilizers, Cropping Systems
<b>Raina SK</b>	Agricultural Biotechnology
<b>Rajam MV</b>	Plant Biotechnology, Polyamine Physiology and RNA Interference
<b>Sangwan RS</b>	Secondary Metabolism and Secondary Agriculture Bioprocessing for Resource Recovery & Value Added Products
<b>Saxena KN</b>	Entomology: Insect Behaviour and Management
<b>Sethunathan N</b>	Environmental Microbiology
<b>Sharma RP</b>	Genetics, Cytogenetics and Plant Biotechnology
<b>Sharma TR</b>	Agricultural Biotechnology and Disease Resistance
<b>Siddiq EA</b>	Genetics & Plant Breeding
<b>Singh AK</b>	Genetics and Molecular Breeding in Rice
<b>Singh Bijay</b>	Soil Fertility and Chemistry
<b>Singh NK</b>	Plant Genomics, Transgenic Development, Molecular Breeding, Grain Quality in Rice and Wheat
<b>Singh N</b>	Food Science and Technology
<b>Singh NT</b>	Soil Science
<b>Singh PK</b>	Crop Genetic Engineering
<b>Singh Randhir</b>	Plant Biochemistry & Biotechnology
<b>Singh Rangil</b>	Plant Biochemistry (Metabolism of Carbohydrates and their Bio-regulation during Growth and Development of Cereals, Legumes, Forages and other Commercial Crops)
<b>Singh SR</b>	Soil and Water Engineering, Irrigation and Drainage Engineering, Ground Water Modelling
<b>Singh Y</b>	Soil Science
<b>Singhal Rekha Satishchandra</b>	Food/Bioprocesses-Science and Technology
<b>Sinha VRP</b>	Fish Biology, Reproductive Physiology & Aquatic Productivity Management and Fisheries Research Management
<b>Sonti RV</b>	Pathogen-plant Interactions
<b>Subba Rao NS</b>	Soil Microbiology & Biofertilizers
<b>Swaminathan MS</b>	Genetics & Agriculture
<b>Takkar PN</b>	Agriculture, Soil Chemistry, Fertility and Plant Nutrition, Micronutrients
<b>Trivedi PK</b>	Plant Molecular Biology and Biotechnology
<b>Tuli R</b>	Biochemistry & Molecular Genetics of Agriculturally & Medicinally Important Plants, Genomic Diversity in Plants for Precision Breeding, Food and Nutrition Biotechnology
<b>Varma A</b>	Plant Virology, Plant Pathology, Biotechnology, Education

<i>Name</i>	<i>Specialization</i>
<b>Varshney RK</b>	Crop Genetics, Genomics and Molecular Breeding
<b>Virk DS</b>	Genetics and Plant Breeding
<b>Yadav OP</b>	Plant Breeding

## SECTIONAL COMMITTEE-NC

### *New Category*

*Total Fellows: 11*

<i>Name</i>	<i>Specialization</i>
<b>Gupta AK</b>	Inclusive, Frugal and Grassroots Innovation, Institution Building, Sustainable Agriculture, Technological, Educational, Institutional Innovations, Public Policy
<b>Hamied YK</b>	Steroid Chemistry, Applied Organic Chemistry
<b>Harinarayana K</b>	Aeronautical Engineering
<b>Narain S</b>	Environment, Sustainable Development, Public Policy, Science Outreach
<b>Nayak S</b>	Earth Sciences
<b>Raina Dhruv</b>	History and Philosophy of Science
<b>Ramasubramanian K</b>	Non-linear Dynamics and Chaos, Indian Astronomy and Mathematics, Advaita Vedanta
<b>Sharma DK</b>	Microelectronics, VLSI Design
<b>Sivan K</b>	Aerospace Engineering, Space Transportation Systems Engineering
<b>Sriram MS</b>	History of Indian Astronomy & Mathematics
<b>Suresh BN</b>	Controls Systems, Actuation Systems, Simulation, Launch Vehicle, Design, System Engineering, Mission Planning and R & D Management

## LOCAL CHAPTERS AND CONVENERS

### (From April 1, 2021 to 31 March, 2024)

S. No.	Local Chapter	Convener
1	<b>Ahmedabad</b> <i>(All Fellows in Gujarat and Rajasthan)</i>	Pankaj S Joshi
2	<b>Bengaluru</b> <i>(All Fellows in Karnataka)</i>	Prof Maneesha Inamdar
3	<b>Bhubaneswar</b> <i>(All Fellows in Odisha and Bihar)</i>	TK Adhya
4	<b>Chandigarh</b> <i>(All Fellows in Chandigarh, Haryana, HP, J&amp;K and Punjab)</i>	Anand Kumar Bachawat
5	<b>Chennai</b> <i>(All Fellows in Tirupati and Tamil Nadu except Madurai, Karaikudi and Trichy)</i>	Sundarababu Baskaran
6	<b>Delhi</b> <i>(All Fellows in Agra, Aligarh, Bhopal, Delhi, Ghaziabad, Gurugram, Gwalior, Meerut, Noida and Sagar)</i>	Niranjan Chakraborty
7	<b>Hyderabad</b> <i>(All Fellows in Andhra Pradesh)</i>	Subeer S Majumdar jointly with Rakesh Kumar Mishra
8	<b>Kanpur</b> <i>(All Fellows in Kanpur)</i>	Prof JK Bera
9	<b>Kharagpur</b> <i>(All Fellows in Durgapur, Kharagpur)</i>	Amit Basak
10	<b>Kolkata</b> <i>(All Fellows in Burdwan, Jadavpur, Kalyani, Kolkata and Shillong)</i>	HK Majumder
11	<b>Lucknow</b> <i>(All Fellows in Lucknow, Nainital, Pantnagar and Ranikhet)</i>	Saman Habib
12	<b>Madurai</b> <i>(All Fellows in Karaikudi, Madurai, Puducherry and Trichy)</i>	Dr K Veluthambi
13	<b>Mumbai</b> <i>(All Fellows in Mumbai and Indore)</i>	G Ravindra Kumar
14	<b>Pune</b> <i>(All Fellows in Ahmednagar, Aurangabad, Goa and Pune)</i>	Anil Kumar
15	<b>Thiruvananthapuram</b> <i>(All Fellows in Kerala)</i>	JN Moorthy
16	<b>Varanasi</b> <i>(All Fellows in Allahabad, Azamgarh, Gorakhpur and Varanasi)</i>	Maya Shankar Singh

## COMMITTEES

### **(A) *Ex-officio* Membership by Officers**

- (1) THE PRESIDENT, by rule, presides over all the Committees which he/she attends.
- (2) The members present elect the *Chairman* in the absence of the PRESIDENT.

### **(B) Retirement from Committees**

- (1) The retirement of members of the Sectional Committees is laid down in the Regulations.
- (2) The tenure of members of other Standing Committees of the Academy is normally one year.

## I. STANDING COMMITTEES 2022

### A. Infrastructure & Informatics Committee

Professor Chandrima Shaha, *President (Chairperson)*  
 Professor SR Wadia, *Vice-President*  
 Professor Gaiti Hasan, *Vice-President*  
 Professor NK Mehra, *Vice-President*  
 Professor Amit Ghosh, *Vice-President*  
 Professor DV Khakhar, *Vice-President*  
 Professor Subrata Sinha, *Vice-President*  
 Professor Madhu Dikshit  
 Professor Dinakar Kanjilal  
 Professor Debasisa Mohanty

### B. Resource Management Committee

Professor Chandrima Shaha, *President (Chairperson)*  
 Professor SR Wadia, *Vice-President*  
 Professor Gaiti Hasan, *Vice-President*  
 Professor NK Mehra, *Vice-President*  
 Professor Amit Ghosh, *Vice-President*  
 Professor DV Khakhar, *Vice-President*  
 Professor Subrata Sinha, *Vice-President*  
 Professor Alok Bhattacharya  
 Professor Dinakar Kanjilal  
 FA, DST  
 Nominee of Secretary, DST

### C. Publication Advisory Board

Professor Chandrima Shaha, *President (Chairperson)*  
 Professor SR Wadia, *Vice-President*  
 Professor Gaiti Hasan, *Vice-President*  
 Professor NK Mehra, *Vice-President*  
 Professor Amit Ghosh, *Vice-President*  
 Professor DV Khakhar, *Vice-President*  
 Professor Subrata Sinha, *Vice-President*  
 Professor Rahul Roy, Editor, IJPAM  
 Professor Sanjay Puri, Editor, Proceedings  
 Professor K Ramasubramanian, Editor, IJHS  
 Professor DM Banerjee, Editor, BM  
 Professor D Balasubramanian  
 Professor Amitabh Joshi  
 Professor SC Lakhotia  
 Professor KL Sebastian

**D. Editorial Board: *Indian Journal of Pure & Applied Mathematics (IJPAM)***

Professor Rahul Roy, *Editor*  
 Professor V Arvind, Chennai  
 Professor Arvind Ayyer, Bengaluru  
 Professor Gurmit Bakshi, Chandigarh  
 Professor BVR Bhat, Bengaluru  
 Professor Indranil Biswas, Mumbai  
 Professor NM Bujurke, Dharwad  
 Professor Sameer Chavan, Kanpur  
 Professor SG Dani, Mumbai  
 Professor Eknath Ghate, Mumbai  
 Professor Sudhir Ghorpade, Mumbai  
 Professor GD Veerappa Gowda, Bengaluru  
 Professor Sanoli Gun, Chennai  
 Professor AV Jayanthan, Chennai  
 Professor RL Karandikar, Chennai  
 Professor Apoorva Khare, Bengaluru  
 Professor Dinesh Khurana, Chandigarh  
 Professor Debasish Kundu, Kanpur  
 Professor Madhavan Mukund, Chennai  
 Professor EK Narayanan, Bengaluru  
 Professor Tony Puthenpurkal, Mumbai  
 Professor KN Raghavan, Chennai  
 Professor CS Rajan, Mumbai  
 Professor K Sandeep, Bengaluru  
 Professor Jaydeb Sarkar, Bengaluru  
 Professor Rudra Sarkar, Kolkata  
 Professor Deepayan Sarkar, Delhi  
 Professor VD Sharma, Gandhinagar  
 Professor S Sivaramakrishnan, Mumbai  
 Professor V Srinivas, Mumbai  
 Professor B Sury, Bengaluru  
 Professor Kaushal Verma, Bengaluru  
 Professor Pradipta Bandyopadhyay, ISI, Kolkata  
 Professor Vijaylaxmi Trivedi, TIFR, Mumbai  
 Dr Sudhanshu Aggarwal, *Production Editor*

**E. Editorial Board : *Proceedings of the Indian National Science Academy***

Professor Sanjay Puri (*Editor-in-Chief*)  
 Professor RB Bapat (*Editor: Mathematical Sci*)  
 Professor Debashish Chowdhury (*Editor: Physical Sci*)  
 Professor Anunay Samanta (*Editor: Chemical Sci*)  
 Professor DM Banerjee (*Editor: Earth & Planetary Sci*)  
 Professor Suman Chakraborty (*Editor: Engg & Tech*)  
 Professor Amlan J Pal (*Editor: Material Sci & Engg*)  
 Professor AN Lahiri Majumder (*Editor: Plant Sci*)  
 Professor KP Joy (*Editor: Animal Sci*)  
 Professor Dipankar Chatterji (*Editor: Microb & Immun*)

Professor SK Dhar (*Editor: Cell & Biomolecular Sci*)  
 Professor Chitra Mandal (*Editor: Health Sci*)  
 Professor Manoj Prasad (*Editor: Agril Sci*)  
 Professor SK Apte  
 Professor HS Balyan  
 Professor US Bhalla  
 Professor Pankaj Kumar (INAYAS)  
 Professor Dhruva Sengupta (INAYAS)  
 Professor Ranjan Jha (INAYAS)  
 Professor Amalendu Chandra  
 Professor Sudip Chattopadhyay  
 Dr PK Das  
 Dr Anuradha Dube  
 Professor JH Hacker (Germany)  
 Professor AK Jain  
 Professor Thomas Kailath (USA)  
 Professor PV Kamat (USA)  
 Professor Santosh Kapuria  
 Professor P Kondaiah  
 Professor Deepak Mathur  
 Professor Sanjay Mittal  
 Professor K Muniyappa  
 Professor S Natarajan  
 Professor AJ Paulraj (USA)  
 Professor Upadrasta Ramamurty  
 Professor EV Sampathkumaran  
 Professor Yadvinder Singh  
 Professor R Sowdhamini  
 Professor Mriganka Sur (USA)  
 Professor K Veluthambi

**F. Editorial Board: *Indian Journal of History of Science***

Professor D Balasubramanian, Hyderabad  
 Professor Robert Anderson, Canada  
 Professor Deepak Kumar, Delhi  
 Professor Clemency Montelle, NZ  
 Professor MD Srinivas, Chennai  
 Professor Kishore Patwardhan, Varanasi  
 Professor John Lourdosamy, Chennai  
 Professor JSR Prasad, Hyderabad  
 Professor Paul T Craddock, UK  
 Professor Michio Yano, Japan  
 Professor John Mathew, Sri City, AP  
 Professor Michel Danino, Gandhinagar  
 Dr Martin Gansten, Sweden  
 Professor Anantanarayanan Raman, Australia  
 Professor K Ramasubramanian, *Editor*  
 Mr Madhvendra Narayan, *Associate Editor & Member Secretary*

**G. Editorial Board for Biographical Memoirs**Professor DM Banerjee, (*Editor*)

Professor Sourav Pal	:	Chemistry
Professor Premashish Kar	:	Health Sciences
Professor Dhananjay Pandey	:	Physics
Professor JP Khurana*	:	Plant Sciences
Professor NK Mehra	:	Immunology
Professor DP Sarkar	:	Biochemistry
Professor PK Seth	:	Toxicology
Professor Maithili Sharan	:	Mathematics
Professor Anurag Sharma	:	Engg & Tech
Professor BK Thelma	:	Genetics

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\* *Since deceased*

## II. ADVISORY COMMITTEES 2022

### A. Inter-Academy Exchange Committee

Professor Chandrima Shaha, *President (Chairperson)*  
Professor SR Wadia, *Vice President*  
Professor Gaiti Hasan, *Vice-President*  
Professor NK Mehra, *Vice-President*  
Professor Amit Ghosh, *Vice-President*  
Professor DV Khakhar, *Vice-President*  
Professor Subrata Sinha, *Vice-President*  
Professor Debashish Chowdhury  
Professor Dinakar Kanjilal  
Professor Rup Lal  
Professor Kalidas Sen  
Representative from DST

### B. Advisory Committee for Science Promotion

Professor Chandrima Shaha, *President (Chairperson)*  
Professor SR Wadia, *Vice-President*  
Professor Gaiti Hasan, *Vice-President*  
Professor NK Mehra, *Vice-President*  
Professor Amit Ghosh, *Vice-President*  
Professor DV Khakhar, *Vice-President*  
Professor Subrata Sinha, *Vice-President*  
Professor AK Singhvi  
Professor NR Jagannathan  
Professor Anil Kumar, NCL  
Professor Rup Lal

### C. Advisory Committee for Science and Society

Professor Chandrima Shaha, *President (Chairperson)*  
Professor SR Wadia, *Vice-President*  
Professor Gaiti Hasan, *Vice-President*  
Professor NK Mehra, *Vice-President*  
Professor Amit Ghosh, *Vice-President*  
Professor DV Khakhar, *Vice-President*  
Professor Subrata Sinha, *Vice-President*  
Professor Debashish Chowdhury  
Professor AN Lahiri Majumder  
Professor RK Kohli  
Professor Rup Lal

**D. Indian National Commission for History of Science**

Professor Chandrima Saha, *President, INSA, (Chair)*  
 Professor D Balasubramanian (*Vice-Chair*)  
 Professor Subrata Sinha, *Vice-President (RM)*  
 Professor SR Wadia, *Vice-President (Science Promotion)*  
 Professor Nibir Mandal  
 Professor Ajoy Ghatak  
 Professor Ramakrishna Ramaswamy  
 Professor RB Grover  
 Professor Samir Kr Saha  
 Professor Vibha Tripathi  
 Professor Amitabh Ghosh  
 Professor K Ramasubramanian  
 Professor Arnab Rai Choudhuri  
 Professor KC Malhotra  
 Professor MS Sriram

**E. Research Council for History of Science**

Professor D Balasubramanian, (*Chair*)  
 Professor K Ramasubramanian  
 Professor G Parthasarthy  
 Professor GC Tallur  
 Professor Michel Danino  
 Professor Ishrat Alam,  
 Professor P Ram Manohar  
 Professor RN Iyengar  
 Professor Sreekumar Nellickappilly  
 Professor RR Rao  
 Professor V Ramanathan  
 Dr JN Sinha

**F. Panel for Science Education**

Professor Amit Ghosh, *Vice-President (Convener)*  
 Professor SR Wadia, *Vice-President*  
 Professor Subrata Sinha, *Vice-President*  
 Professor NK Mehra, *Vice-President*  
 Professor Gaiti Hasan, *Vice-President*  
 Professor DV Khakhar, *Vice-President*  
 Professor SC Lakhota  
 Professor Rajaram Nityananda  
 Professor Ravi Subramanyam (Mumbai)

**G. Committee for Archives**

Dr Arnab Rai Choudhuri, *Chair*  
 Professor SR Wadia, *Vice-President*  
 Professor Gaiti Hasan, *Vice-President*  
 Professor NK Mehra, *Vice-President*  
 Professor Amit Ghosh, *Vice-President*

Professor DV Khakhar, *Vice-President*  
 Professor Subrata Sinha, *Vice-President*  
 Professor Amita Das  
 Professor Madhu Dikshit

#### **H. INSA Core Committee for DST INSPIRE Programme**

Professor DV Khakhar, *Vice-President (Chair)*  
 Professor NV Chelapati Rao  
 Professor Akhilesh Tyagi

#### **I. INSA Teachers Award Committee**

Professor Rentala Madhubala	2024
Professor Nibir Mandal	2024
Professor Sanjay Puri	2024
Professor V Ramgopal Rao	2022
Professor Paramjit Khurana, Chair	2022
Professor Amalendu Chandra	2022
Professor MJ Mahan	2023
Professor HS Mani, CMI	2023
Professor Deepak Pental	2023

#### **J. INSA Panel on Ethics in Science**

Professor Amit Ghosh, Chair  
 Professor S Chandrasekaran  
 Professor ML Munjal  
 Professor Sriram R Ramaswamy  
 Professor Chitra Sarkar  
 Professor N Sathyamurthy  
 Dr SR Shetye  
 Professor Madhu Dikshit

#### **K. INSA Panel on Women in Science**

Professor Shobhona Sharma, Chair  
 Professor Madhu Dikshit  
 Professor Rentala Madhubala  
 Professor Madhoolika Agrawal  
 Professor Anirban Basu  
 Professor Jaya S Tyagi

## INTER ACADEMY PANELS

### A. Inter-Academy Science Education Panel

Professor MRN Murthy, *Chair*  
 Professor Dilip G Kanhere, *Co-Chairman* (Pune)  
 Professor Gadadhar Misra  
 Dr Suvendra N Bhattacharyya (Kolkata)  
 Professor Amitabha Chattopadhyay  
 Professor Nitin Chattopadhyay (Kolkata)  
 Professor Madhu Dikshit  
 Professor VP Dimri  
 Professor SK Ghosh  
 Professor AK Grover (Chandigarh)  
 Professor Paramjit Khurana  
 Professor Indranil Manna  
 Professor C Narayana (Bengaluru)  
 Professor Sourav Pal  
 Professor Dhananjai Pandey  
 Professor IBS Passi\*  
 Professor T Pradeep  
 Professor KN Raghavan (Chennai)  
 Professor G Rajasekaran  
 Professor Diptiman Sen  
 Professor Kalidas Sen  
 Professor Pulak Sengupta  
 Professor Annapurni Subramaniam (Bengaluru)

### B. Inter-Academy Panel on Women in Science

Professor Manju Sharma, *Steering Committee (Chair)*  
 Professor Shobhona Sharma, *Steering Committee (Incumbent Chair)*  
 Professor Rohini M Godbole, *Steering Committee (Member)*  
 Professor Renu Swarup (New Delhi)  
 Professor Vijaylakshmi Ravindranath  
 Professor Kiran Mazumar-Shaw (Bangalore)  
 Professor Madhu Dikshit  
 Professor Subhra Chakraborty (New Delhi)  
 Professor Sunil Mukhi  
 Professor Somdatta Sinha  
 Professor Madhoolika Agrawal

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\* Since deceased

Professor Ramakrishna Ramaswamy  
Professor Shobhona Narasimhan  
Professor Smita Mahale  
Professor Shobha Tole  
Professor Anindita Bhadra (Kolkata)  
Professor Latha Rangan (Guwahati)  
Professor Srubabati Goswami  
Professor Paramjit Khurana  
Professor LS Shashidhara  
Professor G Taru Sharma (Izatnagar)  
Professor Sushmita Mitra (Kolkata)  
Professor Shilpa Sharma (New Delhi)  
Professor Namita Gupta, DST Nominee  
Professor Alka Sharma, DBT Nominee  
Professor Hema Rajaram, DAE Nominee  
Professor Vibha Malhotra Sawhney, CSIR Nominee  
Professor Nivedita Gupta, ICMR Nominee  
Professor Nigar Shaji, ISRO Nominee  
Professor Archana Pant, Young Woman Scientist, NASI

**C. Inter-Academy Panel on Ethics in Science**

Professor Amit Ghosh, *Chair*  
Professor S Chandrasekaran  
Professor JP Mittal  
Professor Sunil Mukhi  
Professor ML Munjal  
Professor Sriram R Ramaswamy  
Professor Chitra Sarkar  
Professor N Sathyamurthy  
Dr SR Shetye  
Professor JS Tyagi

## \*1 National Committees for International Science Council (ISC) & its affiliated Unions and Committees (till December 31<sup>st</sup>, 2023)

### INDIAN NATIONAL COMMITTEE FOR ISC

Professor Chandrima Shaha, President, INSA, *Chairperson*  
 Professor SR Wadia, Vice-President (Science Promotion) INSA, *Member*  
 Professor Amit Ghosh, Vice-President (Publications/Informatics), INSA, *Member*  
 Professor Gaiti Hasan, Vice-President (Fellowship Affairs), INSA, *Member*  
 Professor DV Khakhar, Vice-President (Science & Society), INSA, *Member*  
 Professor NK Mehra, Vice-President (International Affairs), INSA, *Member*  
 Professor Subrata Sinha, Vice-President (Resource Management), INSA, *Member*  
 Chairpersons of the National Committees corresponding to the International Unions/Committees,  
*Members*

#### I. National Committee for International Union of Pure & Applied Biophysics (IUPAB)

1. Professor KVR Chary, FNA, *Chairman*
2. Professor Yogendra Sharma FNA, *Member*
3. Professor P Karthe, Biophysics Department, University of Madras, Chennai, *Member*
4. Professor Punit Kaur, Biophysics Department, AIIMS, New Delhi, *Member*
5. Professor B Padmanabhan, Biophysics Department, NIMHANS, Bengaluru, *Member*
6. Dr Ch. Mohan Rao, FNA, EC Member, IUPAB, *Member Ex-Officio*
7. Dr Madan Rao, FNA, President, IBS, *Member Ex-Officio*

#### II. National Committee for International Union of Crystallography (IUCr)

1. Professor B Gopal, FNA, *Chairman*
2. Dr SM Yusuf, BARC, Mumbai, *Member*
3. Professor Chandrabhas Narayana, JNCASR, Bengaluru, *Member*
4. Dr Deepti Jain, RCB, Faridabad, *Member*
5. Professor Parthapratim Munshi, Shiv Nadar University, Noida, *Member*
6. Professor Surjeet Singh, IISER, Pune, *Member*

#### III. National Committee for International Union of Pure & Applied Chemistry (IUPAC)

1. Professor Sandeep Verma, FNA, *Chairman*
2. Professor S Natarajan, FNA, *Member*
3. Professor Vinod K Singh, FNA, *Member*
4. Dr A Ajayaghosh, FNA, *Member*
5. Dr Hirendra N Ghosh, FNA, *Member*
6. Dr Bipul Behari Saha, LR Research Laboratories, NACL Industries Limited, Hyderabad, *Member, IUPAC Bureau, Member Ex-Officio*

#### IV. National Committee for International Union of Pure & Applied Physics (IUPAP)

1. Professor Debashish Chowdhury, FNA, *Chairman*
2. Professor Amita Das, FNA, *Member*
3. Professor HR Krishnamurthy, FNA, *Member*
4. Professor Debajyoti Choudhury, FNA, *Member*
5. Professor Priya Mahadevan, SNBNCBS, Kolkata, *Member*
6. Dr AK Mohanty, Director, BARC, President, IPA, *Member Ex-Officio*
7. Professor KS Narayan, FNA, Chair WG 16, *Member Ex-Officio*

**V. National Committee for International Astronomical Union (IAU)**

1. Professor Jayaram N Chengalur, FNA, *Chairman*
2. Professor Kandaswamy Subramanian, FNA, *Member*
3. Professor Prateek Sharma, IISc, Bengaluru, *Member*
4. Professor Tarun Souradeep, IUCAA, Pune, *Member*
5. Professor Dipankar Bannerjee, IIA, Bengaluru, *Member*
6. Professor GC Anupama, President, ASI, *Member Ex-Officio*

**VI. National Committee for International Union of Biochemistry and Molecular Biology (IUBMB)**

1. Professor Amitabha Mukhopadhyay, FNA, *Chairman*
2. Professor Pradip K Chakraborti, FNA, *Member*
3. Dr R Sankaranarayanan, FNA, *Member*
4. Dr Ashok Kumar Giri, FNA, *Member*

**VII. National Committee for International Union of Microbiological Societies (IUMS)**

1. Dr Debashish Mitra, Director, CDFD, Hyderabad, *Chairman*
2. Dr VK Nandicoori, FNA, *Member*
3. Dr Dipsikha Chakravorty, FNA, *Member*
4. Dr Rup Lal, FNA, *Member*
5. Dr T Ramamurthy, FNA, *Member*

**VIII. Joint National Committee for International Union of Geodesy & Geophysics (IUGG) & International Geographical Union (IGU)**

1. Professor Archana Bhattacharyya, FNA, *Chairperson*
2. Dr G Parthasarathy, FNA, *Member*
3. Dr VM Tiwari, Director, FNA, *Member*
4. Dr BR Arora, Engineers Enclave Ph. III, GMS Road, Dehradun, *Member*
5. Professor AP Dimri, School of Environmental Sciences, JNU, New Delhi, *Member*
6. Dr Ajay Manglik, Chief Scientist, NGRI, Hyderabad, *Member*
7. Professor N Nagabhushanam, Department of Geography, SV University, Tirupati, *Member*
8. Professor KS Krishna, FNA, *Member*
9. Professor RB Singh\*, Univ. of Delhi, Delhi, Secretary General & Treasurer, IGU, *Member Ex-Officio*

**IX. Joint National Committee for International Union of Geological Sciences (IUGS) and International Quaternary Research (INQUA)**

1. Professor Dhiraj Mohan Banerjee, FNA, *Chairman*
2. Professor Somnath Dasgupta, FNA, *Co-Chair*
3. Dr Shailesh Nayak, FNA, *Member*
4. Professor Talat Ahmad, FNA, *Member*
5. Professor Manish Mamtani, Vice Chair of IGC- Comm. on Tectonics, *Member*
6. Professor Pradeep Srivastava, Wadia Institute of Himalayan Geology, *Member*
7. Dr VM Tiwari, FNA, *Member*
8. Dr Rahul Mohan, National Centre for Polar Research, *Member*
9. Professor Parampreet Kaur, Chandigarh University, *Member*
10. Professor Vandana Prasad, Birbal Sahni Institute of Paleosciences, *Member*
11. Dr P Chandrasekaran, Director Explorations, Oil India, *Member*
12. GSI nominee

\*Since deceased

**X. National Committee for International Union of Theoretical & Applied Mechanics (IUTAM)**

1. Professor Santosh Kapuria, FNA, *Chairman*
2. Professor Suman Chakraborty, FNA, *Member*
3. Professor V Kumaran, FNA, *Member*
4. Professor Ranjan Ganguli, Aerospace Engineering, IISc Bangalore, *Member*
5. Professor GP Raja Sekhar, Department of Mathematics, IIT Kharagpur, *Member*

**XI. National Committee for International Mathematical Union (IMU)**

1. Professor Dipendra Prasad, FNA, *Chairman*
2. Professor Kaushal Verma, IISc, Bengaluru, *Member*
3. Professor Arup Bose, FNA, *Member*
4. Professor TR Ramadas, FNA, *Member*
5. Professor V Srinivas, FNA, *Member*

**XII. National Committee for International Union of Nutritional Sciences (IUNS)**

1. Dr R Hemalatha, NIN, Hyderabad, *Chairperson*
2. Professor Jamuna Prakash, University of Mysore, Mysore, *Member*
3. Dr Pulkit Mathur, Lady Irwin, Delhi, *Member*
4. Dr Madhavan Nair, Former Deputy Director NIN, Hyderabad, *Member*

**XIII. Joint National Committee for International Union of Physiological Sciences (IUPS) & International Union of Pharmacology (IUPHAR)**

1. Dr Madhu Dikshit, FNA, *Chairperson*
2. Dr Dinesh Kumar Bharadwaj, Dy. Director NIN Hyderabad, *Member*
3. Professor YK Gupta, President AIIMS, Bhopal, *Member*
4. Professor Suman Jain, Department of Physiology, AIIMS, New Delhi, *Member*
5. Professor Amar Kumar Chandra, Honorary President, The Physiological Society of India, Department of Physiology, Calcutta University Calcutta, *Member*
6. Dr C Adithan, Sri Balaji Vidyapeeth Pondy-Cuddalore Road, Pillaiyarkuppam, Pondicherry, *Member*

**XIV. National Committee for International Union of Food Science and Technology (IUfoST)**

1. Prof GD Yadav, FNA, *Chairman*
2. Dr PG Rao, FNASc, CSIR-Distinguished Scientist, Former Director, CSIR-NEIST and Former VC, USTM, *Member*
3. Dr KSMS Raghavarao, Director, CFTRI, *Member*
4. Dr TK Sreenivas Gopal, Emeritus Professor, Kerala Science Foundation, Kochi, *Member*
5. Dr Kumar Bhatia, Former Director, National Seed Corporation and Chief Engineer, MFPI (Formerly Ministry of Agriculture, New Delhi), *Member*
6. Dr V Prakash, IUfoST, *Member Ex-Officio*
7. President, AFSTI, *Member Ex-Officio*

**XV. National Committee for Scientific Committee on Antarctic Research (SCAR)**

1. Professor Naresh Pant, Delhi University, Delhi, *Chairman*
2. Dr Thamban Meloth, NCPOR, *Member*
3. Dr S Gurubaran, IIGM, Mumbai, *Member*
4. Dr Yogesh Shouche, FNA, *Member*
5. Dr Rahul Mohan, NCAOR, Goa, *Member*

**XVI. National Committee for Scientific Committee on Oceanic Research (SCOR)**

1. Professor Sunil Singh, FNA, *Chairman*
2. Dr SSC Shenoi, Director INCOIS Hyderabad, *Member*
3. Dr K Somasundar, Scientist G, MoES, New Delhi, *Member*
4. Dr VVSS Sarma, NIO, Visakhapatnam, *Member*
5. Dr Ravi Bhushan, PRL, Ahmedabad, *Member*

**XVII. Joint National Committee for Committee on Space Research (COSPAR), International Union of Radio Science (URSI) and Scientific Committee on Solar-Terrestrial Physics (SCOSTEP)**

1. Dr Anil Bharadwaj, FNA, *Chairman*
2. Dr A Patra, NARL, Gadanki, *Member*
3. Dr S Seetha, ISRO HQ, Bengaluru, *Member*
4. Dr Virupakshi Reddy, IIG, Navi Mumbai, *Member*
5. Dr PK Manoharan, Ooty Radio Telescope, *Member*
6. Dr Devendra Singh, IITM, Pune, *Member*

**XVIII. Future Earth National Committee**

1. Dr M Rajeevan, Secretary, MoES, New Delhi, *Chairman*
2. Dr Aditi Mukherji, Principal Researcher, International Water Management Institute, *Member*
3. Professor Sandeep Tambe, Indian Institute of Forest Management, *Member*
4. Dr Vandhana Prasad, Director, BSIP, Lucknow, *Member*
5. Dr S Suresh Babu, Head ATRF, Space Physics Laboratory, VSSC, Indian Space Organization, Thiruvananthapuram, *Member*
6. Dr Ravi S Nanjundiah, Director, IITM, Pune, *Member*
7. Dr Sunderrajan Krishnan, Executive Director, India Natural Resource Economics and Management Foundation, *Member*
8. Dr TR Shankar Raman, Nature Conservation Foundation, *Member*
9. Professor SK Satheesh, FNA, *Member, Ex-Officio*

**XIX. National Committee for International Union of Biological Sciences (IUBS)**

1. Professor RM Borges, FNA, *Chairperson*
2. Professor LS Shashidhara, FNA, President, IUBS, *Member Ex-Officio*
3. Dr RV Sonti, FNA, *Member*
4. Dr Qudia Tahseen, FNA, *Member*
5. Dr Anil Kumar Tripathi, FNA, *Member*

**XX. National Committee for Committee on Data for Science and Technology (CODATA)**

1. Professor Ajit Kembhavi, Former Director, IUCAA, *Chairman*
2. Professor ED Jemmis, FNA, *Member*
3. Dr Usha Munshi, IIC, New Delhi, *Member*
4. Dr Neeta Verma, NIC, New Delhi, *Member*

*Scientists holding position in the Executive Board of International Union/Committee and President (or his representative) of the National Scientific society corresponding to the INSA National Committee will be ex-officio member of the National Committees.*

## SECTIONAL COMMITTEES – 2022

### SECTIONAL COMMITTEE - I : Mathematical Sciences (*Applied Mathematics, Pure Mathematics, Theoretical Computer Science, Statistics and Operations Research*)

RB Bapat	2022	KB Sinha	2023
SK Khanduja	2022	P Chaudhuri	2024
* AJ Parameswaran	2022	R Munshi	2024
KT Joseph	2023	( <i>Secretary &amp; Convener</i> )	
J Radhakrishnan	2023	P Sankaran	2024

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### SECTIONAL COMMITTEE - II : Physics (*Astronomy, Astrophysics, Nuclear and High Energy Physics, Atomic, Molecular and Optical Physics, Statistical Physics, Theoretical Physics, Mathematical and Computational Physics, Condensed Matter including Soft, Liquids and Nano Materials, Cosmic Radiation, Cosmology, Space Physics, Basic Planetary Sciences, Lasers and Optoelectronics, Plasma Physics, Solar Physics, Atmospheric Physics*)

Praveen Chaddah	2022	Anurag Sharma	2023
Rajesh Gopakumar	2022	( <i>Secretary &amp; Convener</i> )	
** Sunil Mukhi	2022	Manchikanti Krishnamurthy	2024
Amita Das	2023	M Lakshmanan	2024
PS Joshi	2023	Sriram R Ramaswamy	2024

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### SECTIONAL COMMITTEE - III : Chemistry (*Analytical Chemistry, Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Theoretical and Computational Chemistry, Structural Chemistry, Chemistry of Materials, Medicinal and Pharmaceutical Chemistry, Bio-organic, Bio-inorganic and Bio-physical Chemistry*)

TK Chandrashekar	2022	Govindasamy Mugesh	2023
( <i>Secretary &amp; Convener</i> )		VK Pillai	2023
K George Thomas	2022	Jitendra Kumar Bera	2024
Subrata Ghosh	2022	Hirendra Nath Ghosh	2024
SK Ghosh	2023	Sourav Pal	2024

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### SECTIONAL COMMITTEE - IV : Earth & Environmental Sciences (*Surface and Solid Earth Science, Applied Atmospheric Chemistry and Physics, Climate Sciences, Meteorology, Geo Engineering, Ocean Sciences, Geo Sciences and Applied Planetary Sciences*)

***Mihir Deb	2022	R Srinivasan	2023
K Krishnamoorthy	2022	Mudlappa Jayananda	2024
****RN Singh	2022	NV Chalapathi Rao	2024
Archana Bhattacharyya	2023	VP Rao	2024
AK Singhvi	2023		
( <i>Secretary &amp; Convener</i> )			

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\* In place of Professor Indranil Biswas for the years 2021 and 2022

\*\* In place of Professor Deepak Dhar for the years 2021 and 2022

\*\*\* In place of Professor SK Tandon for the years 2021 and 2022

\*\*\*\* In place of Professor Pradeep P Mujumdar for the years 2021 and 2022

**SECTIONAL COMMITTEE - V : Engineering & Technology** (*Electrical Engineering, Telecommunication Engineering, Electronics and Optoelectronics, Chemical Engineering, Civil Engineering, Environmental Engineering, Mechanical Engineering, Aeronautical Engineering, Metallurgical Engineering, Computer Science and Engineering including Software and Data science, Information Science and Technology, Advanced Materials (such as Bio-materials, Hybrid Materials and Nano Materials), Polymer Science & Engineering*)

Gautam Biswas (Secretary & Convener)	2022	SM Sharma	2023
		CS Sundar	2023
VS Borkar	2022	Neelesh B Mehta	2024
Indranil Manna	2022	Sushmita Mitra	2024
Gautam Kumar Dey	2023	AB Pandit	2024

**SECTIONAL COMMITTEE - VI : General Biology** (*Taxonomy, Structure, Ecology, Environmental Biology, Evolution and Behaviour of Plants, Animals and Microbes including Unicellular Eukaryotes*)

KNG Ganeshaiiah	2022	Neelam S Sangwan	2023
Maharaj K Pandit (Secretary & Convener)	2022	R Sukumar	2023
		G Marimuthu	2024
D Siddavattam	2022	HA Ranganath	2024
Pijush K Das	2023	Syamal Roy	2024

**SECTIONAL COMMITTEE - VII : Molecular and Cellular Biology** (*Cell Biology, Physiology, Development, Genetics, Genomics and other Omics of Plants, Animals and Microbes including Unicellular Eukaryotes*)

Krishanu Ray	2022	Pushkar Sharma	2023
*HS Savithri	2022	Samir Bhattacharya	2024
LS Shashidhara	2022	(Secretary & Convener)	
KN Balaji	2023	Rentala Madhubala	2024
Sunil Kumar Mukherjee	2023	AS Raghavendra	2024

**SECTIONAL COMMITTEE - VIII : Biomolecular, Structural Biology and Drug Discovery** (*Biochemistry, Biophysics, Molecular Biology, Pharmacology, Structural Biology, Bioinformatics, Computational Biology, System Biology*)

Pinakpani Chakrabarti (Secretary & Convener)	2022	**Navin Chandra Khanna	2023
		Sandhya S Visweswariah	2023
SE Hasnain	2022	H Balaram	2024
Anil Kumar Tyagi	2022	KVR Chary	2024
Balasubramanian Gopal	2023	R Varadarajan	2024

\* In place of Professor Sudip Chattopadhyay for the years 2021 and 2022

\*\* In place of Dr Amit P Sharma for the years 2022 and 2023

**SECTIONAL COMMITTEE - IX : Health Sciences** (*Basic and Clinical Medical Sciences- Communicable and Non-communicable Diseases, Epidemiology, Anthropology, Psychology, Cognitive and Neurosciences, Medical Genetics and Genomics, Public Health, Nutrition, Immunology*)

NR Jagannathan (Secretary & Convener)	2022	Sangita Mukhopadhyay	2023
		BS Ramakrishna	2023
Shahid Jameel	2022	Shinjini Bhatnagar	2024
SK Sharma	2022	Paturu Kondaiah	2024
Madhu Dikshit	2023	TK Kundu	2024

**SECTIONAL COMMITTEE - X : Agricultural Sciences** (*Agriculture, Horticulture, Forestry, Fisheries, Food Science, Veterinary Science, Pathogen Biology and Host Pathogen Interaction Both Plant and Veterinary Importance*)

Arun Kumar Joshi	2022	*RV Sonti	2023
**B Senthikumar	2022	(Secretary & Convener)	
***NK Singh	2022	Premananda Das	2024
Rup Lal	2023	Himanshu Pathak	2024
Ashok Kumar Singh	2023	Narpinder Singh	2024

\* In place of Late Professor M Udayakumar for the years 2022 and 2023

\*\* In place of Dr CS Nautiyal for the years 2021 and 2022 only

\*\*\* In place of Professor AK Pradhan for the years 2021 and 2022 only

## ACADEMY AWARDS

The Indian National Science Academy has instituted 72 awards which are broadly classified into following categories:

- A. International Awards**
- B. General Medals & Lecture Awards**
- C. Subjectwise Medals/Lectures/Awards**
- D. Awards for Young Scientists**
- E. INSA Teachers Award**

All the International Awards, General Medal & Lecture Awards and Subjectwise Medals/Lectures are given once in three years and the nominations will be invited from the entire Fellowship, if not specified.

### (A) INTERNATIONAL AWARDS

- (i) **INSA-Vainu Bappu Memorial Award**  
For Astronomer/Astrophysicist of international recognition  
The award carries a bronze Medal, an honorarium of Rs.25,000/- and a citation.
- (ii) **Jawaharlal Nehru Birth Centenary Medal**  
For international cooperation in Science & Technology and for contributions to public understanding of Science  
The award carries a plaque and a citation. The President INSA, shall suggest names for consideration by the Council.
- (iii) **PMS Blackett Memorial Lecture and Jagadis Chandra Bose Memorial Lecture**  
For a scientist of international repute in any branch of science  
The awards will be given once in three years alternatively. The awards carry an honorarium of Rs. 25,000/- and a citation.

### (B) GENERAL MEDALS AND LECTURES

#### MEDALS

- (a) **Any Branch of Science**  
These awards carry a Copper Medal (gold plated) and a citation. The President, INSA, shall suggest name/s for consideration by the Council.
  - (i) **Chandrasekhara Venkata Raman Medal**
  - (ii) **Shanti Swarup Bhatnagar Medal**
  - (iii) **Meghnad Saha Medal**
  - (iv) **Aryabhata Medal**

### ***Popularization of Science***

(i) **Indira Gandhi Prize for Popularization of Science**

For outstanding work done by an individual for the popularization of science in any Indian language, including English

The prize is open to any Indian national residing in the country and will carry honorarium of Rs. 25,000/-, citation and a bronze medal. Maximum of six prizes (two in each category) will be awarded to the following categories:

1. Science popularization efforts in English language by a career media personnel
2. Science popularization efforts in English language by a career scientist
3. Science popularization efforts in any language other than English either by a career media personnel or a career scientist

(ii) **INSA Medal for Promotion and Service to Science**

For exceptional service to promoting Science in India

The award carries a gold medal (of 20 grams) and a citation. The President, INSA, shall suggest, for consideration by the Council.

### **LECTURES**

#### ***Any Branch of Science***

These awards carry an honorarium of Rs 25,000/- and a citation. The President, INSA, shall suggest, for consideration by the Council.

- (i) **Sisir Kumar Mitra Memorial Lecture**
- (ii) **Kariamanikkam Srinivasa Krishnan Memorial Lecture**
- (iii) **Daulat Singh Kothari Memorial Lecture**
- (iv) **Jawaharlal Nehru Birth Centenary Lecture** (two awards one in Physical Sciences and the other one in Biological Sciences)

### **(C) SUBJECTWISE MEDALS/LECTURES/AWARDS**

(A) ***Medals Instituted by the Academy***

These awards carry a Copper Medal (Silver plated) and a citation.

- (i) **Srinivasa Ramanujan Medal**  
– for Mathematical Sciences
- (ii) **Satyendranath Bose Medal**  
– for Physics
- (iii) **Homi Jehangir Bhabha Medal**  
– for Physics
- (iv) **Jagadis Chandra Bose Medal**  
– for Biochemistry, Biophysics, Molecular Biology & related areas
- (v) **Sunder Lal Hora Medal**  
– for Animal Sciences

- (vi) **Darashaw Noshewanji Wadia Medal**  
– for Earth Sciences including Geography
- (vii) **Prasanta Chandra Mahalanobis Medal**  
– for Mathematical Sciences
- (viii) **Syed Husain Zaheer Medal**  
– for Engineering & Technology
- (ix) **Silver Jubilee Commemoration Medal**  
– for Agricultural Sciences
- (x) **Golden Jubilee Commemoration Medal**  
– for Chemical Sciences
- (xi) **Golden Jubilee Commemoration Medal**  
– for Animal Sciences
- (xii) **Kalpathi Ramakrishna Ramanathan Medal**  
– for Atmospheric Sciences and Meteorology

#### ***Endowment Medals\****

These awards carry a bronze Medal, an honorarium of Rs 25,000- and a citation.

1. **Vishwakarma Medal**  
– for Engineering & Technology related to discovery or invention that has led to the start of a new industry in India or to significant improvement of an existing process resulting in cheaper or better product
2. **Professor Brahm Prakash Memorial Medal**  
– for Engineering and Technology
3. **Professor Shyam Bahadur Saksena Memorial Medal\***  
– for Plant Sciences
4. **Professor GN Ramachandran 60th Birthday Commemoration Medal**  
– for Biochemistry and Biophysics
5. **Professor TR Seshadri Seventieth Birthday Commemoration Medal\***  
– for Chemical Sciences
6. **Professor KP Bhargava Memorial Medal**  
– for Medical Sciences
7. **Professor K Naha Memorial Medal**  
– for Earth Sciences
8. **Professor Krishna Sahai Bilgrami Memorial Medal**  
– for Agricultural Sciences
9. **Chandrakala Hora Memorial Medal**  
– for Animal Sciences

10. **Shree Dhanwantari Prize\***  
– for Medical Sciences
11. **Professor Bhim Shanker Trivedi Memorial Medal**  
– for Biological Science including Medicine and Psychology
12. **Professor Har Swarup Memorial Medal**  
– for eminent woman scientist in any branch of Science and Technology
13. **Professor Subramania Ranganathan Memorial Medal**  
– for Chemical Sciences
14. **Professor Mihir Chowdhury Memorial Medal**  
– for Chemical Sciences
15. **Professor TV Desikachary Memorial Medal**  
– for Biological Sciences
16. **Professor SK Joshi Memorial Medal**  
– for Physical Sciences
17. **Professor Deepak Gaur Memorial Medal**  
– for Infectious Diseases, Biology and Interventions

#### ***Endowment Lectures\****

These awards carry an honorarium of Rs 25,000/- and a citation.

1. **Professor Bal Dattatraya Tilak Lecture**  
– for rural economy and life through innovative and effective application of Science and Technology
2. **Dr TS Tirumurti Memorial Lecture\***  
– for Medical Sciences
3. **Dr Nitya Anand Endowment Lecture**  
– for Biomedical Research including New Drug Development
4. **INSA Prize for Materials Science\***  
– for Materials Science
5. **Professor S Swaminathan 60th Birthday Commemoration Lecture**  
– for Chemical Sciences
6. **Professor Darshan Ranganathan Memorial Lecture**  
– for any field of Science and Technology to a woman scientist
7. **Professor MRN Prasad Memorial Lecture\***  
– for Animal Sciences
8. **Bires Chandra Guha Memorial Lecture**  
– for Biophysics and Biochemistry

9. **Bashambar Nath Chopra Lecture\***  
– for Plant Sciences
10. **Professor Shambu Nath De Memorial Lecture\***  
– for Biochemistry and Biophysics
11. **Professor Vishnu Vasudeva Narlikar Memorial Lecture**  
– for Mathematics
12. **Dr Jagdish Shankar Memorial Lecture\***  
– for Chemical Sciences
13. **Professor Vishwa Nath Memorial Lecture**  
– for Biochemistry and Biophysics
14. **Dr Biren Roy Memorial Lecture**  
– for Physics
15. **Professor Sadhan Basu Memorial Lecture**  
– for Chemical Sciences
16. **Dr Yellapragada Subba Row Memorial Lecture**  
– for Medical Sciences
17. **Professor K Rangadhama Rao Memorial Lecture\***  
– for Spectroscopy
18. **Professor Rango Krishna Asundi Memorial Lecture\***  
– for Spectroscopy
19. **Professor Toppur Seethapathy Sadasivan Lecture\***  
– for Plant Sciences
20. **Professor Panchanan Maheshwari Memorial Lecture\***  
– for Plant Sciences
21. **Dr Guru Prasad Chatterjee Memorial Lecture\***  
– for Engineering & Technology
22. **Professor Har Swarup Memorial Lecture**  
– for Animal Sciences
23. **Dr MR Das Memorial Lecture**  
– for Biophysics & Biochemistry

## (D) AWARDS FOR YOUNG SCIENTISTS

### 1. INSA Medal for Young Scientists

For young scientists of extraordinary promise and creativity who have made notable research contributions to any branch of science or technology on the basis of work carried out in India.

Any citizen of India who has not attained the age of 35 years on December 31, of the year preceding the year of the award shall be eligible for this recognition. The award carries a bronze Medal, honorarium of Rs. 1,00,000/- and a certificate. The award will be made annually and the number is limited to 40.

### 2. INSA Young Historian of Science Award

For young historians of extraordinary promise and creativity who have made notable research contributions to any branch of History of Indian Science, irrespective of the institution in which study has been carried out, whether in India or abroad.

Any citizen of India who has not attained the age of 40 years on December 31, of the year preceding the year of award, shall be eligible for this recognition. The award carries a bronze Medal, honorarium of Rs. 1,00,000/- and a certificate. The award will be made annually and the number is limited to 2.

### 3. Professor LSS Kumar Memorial Award\*

For the recipient of INSA Medal for Young Scientists for the year in the disciplines of Plant Sciences (Sectional Committee VII), Animal Sciences (Sectional Committee VIII) and Agricultural Sciences (Sectional Committee XII) by rotation.

The award carries an honorarium of Rs 1,000/- and a certificate.

### 4. Anil Kumar Bose Memorial Award\*

Two awards (one in Physical Sciences and one in Biological Sciences) for the best research paper published in reputed Journal by the recipients of last five years of INSA Medal for Young Scientists below the age of 40 years as on 31 December preceding the year of award.

The awards carry a bronze Medal, an honorarium of Rs 1,000/- and a certificate.

### 5. Professor Har Swarup Memorial Award

For the best research paper, on the work done in India in any branch of Biological Sciences, published in reputed Journal within three years from the date of receipt of INSA Medal for Young Scientist.

The award carries a bronze medal, an honorarium of Rs 25,000/-, and a certificate.

## (E) INSA TEACHERS AWARD

The award aims to recognize and honour teachers who have provided guidance, inspiration and mentored students to take up careers in Science and Technology. All disciplines of Science and Technology including Medical & Engineering Sciences come under the purview of this award. The maximum number of awards is 15 per year. The awardees shall receive a scroll, a cash award of Rs. 50,000/- and a one-time book grant of Rs. 20,000/-.

The nominees should be teaching or have taught in India, with at least 15 years of teaching experience at undergraduate and/or at postgraduate level in any recognized College/University/Institution. Any teacher below the age of 55 years, as on December 31 of the year preceding the year of the award shall be eligible for this recognition.

## **(F) ACADEMY ORATIONS**

1. Anandibai Joshee Oration
2. Kadambini Ganguly Oration

Two women in medicine who broke a number of firsts to become full-fledged doctors in India are Dr Anandibai Joshee and Dr Kadambini Ganguly. Their struggle, their efforts and their successes have become inspiration for many women scientists. They are great role models for women coming into science. To honor both of them, INSA institutes two orations in their names. The orations are to be delivered by eminent women scientists, one in the first half of a given year and one in the second half of the same year. A committee constituted by the President will choose the speakers. Each speaker will be given a gold plated copper medal and a citation. The cost will be met from the INSA corpus fund.

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\* The endowment medal/lecture awards marked with '\*' have been suspended owing to insufficient funds (Council, April 2011)

## AWARDS DUE IN THE YEAR 2021

### ENDOWED MEDALS

1. **Professor SK Joshi Memorial Medal**  
for any area of Physical Sciences

### ENDOWMENT LECTURES

2. **Professor Vishnu Vasudeva Narlikar Memorial Lecture**  
for Mathematics
3. **Professor Vishwa Nath Memorial Lecture (2021)**  
for Biochemistry and Biophysics

## AWARDS DUE IN THE YEAR 2022

### A. INTERNATIONAL AWARDS

1. **INSA Vainu Bappu Memorial Award**  
- Astronomer / Astrophysicists of international recognition
2. **Jawaharlal Nehru Birth Centenary Medal** (Nominated by President, INSA)
3. **Jagadis Chandra Bose Memorial Lecture**  
- International repute in any branch of science

### B. GENERAL MEDALS/ LECTURES (Nominated by President, INSA)

1. **Chandrasekhara Venkata Raman Medal**
2. **Shanti Swarup Bhatnagar Medal**
3. **Kariamanikkam Srinivasa Krishnan Memorial Lecture**

**C. SUBJECTWISE MEDALS****(a) Medal Instituted by the Academy**

1. **Srinivasa Ramanujan Medal**  
- Mathematical Sciences
2. **Jagadis Chandra Bose Medal**  
- Biochemistry, Biophysics, Molecular Biology & related areas
3. **Silver Jubilee Commemoration Medal**  
- Agricultural Sciences
4. **Golden Jubilee Commemoration Medal**  
- Chemical Sciences

**(b) Endowment Medals**

1. **Professor Brahm Prakash Memorial Medal**  
- Engineering and Technology
2. **Professor K Naha Memorial Medal**  
- Earth Sciences
3. **Chandrakala Hora Memorial Medal**  
- Animal Sciences
4. **Professor Mihir Chowdhury Memorial Medal**  
- Chemistry
5. **Professor Deepak Gaur Memorial Medal**  
- for Infectious Diseases, Biology and Interventions

**(b) Endowment Lectures**

1. **Professor S Swaminathan 60<sup>th</sup> Birthday Commemoration Lecture**  
- Chemical Sciences
2. **Professor Darshan Ranganathan Memorial Lecture**  
- Any field of Science and Technology  
(for woman scientist only)
3. **Dr Biren Roy Memorial Lecture**  
- Physics

Last date for receiving nominations for Awards (except nominated by President, INSA) is **May 15, 2022**.

## RECIPIENTS OF INSA MEDAL FOR YOUNG SCIENTISTS- 2021

1. **Dr Mohd Asgher** (*b* 10.04.1987), PhD, School of Biosciences and Biotechnology, Department of Botany, Baba Ghulam Shah Badshah University, Rajouri (J & K).

Dr. Mohd Asgher has carried out excellent work on the role of heavy metals and signaling molecules in plant physiology using cultivated and medicinal species. In particular, his research on ethylene optimization using sulphur supplementation for augmenting photosynthesis and growth under cadmium stress can be used for developing heavy metal tolerant genotypes. He has also shown that the toxicity of arsenic may be reduced by using H<sub>2</sub>O<sub>2</sub> as a signaling molecule. His research on reactive oxygen species (ROS) in *Valeriana wallichii*, an important medicinal herb of the Himalayan region, provides insights into amelioration of oxidative stress and improving reproductive performance.

2. **Dr Mrigya Babuta** (*b* 17.10.1987), PhD, Beth Israel Deaconess Medical Center and Harvard Medical School, Massachusetts, USA.

Mrigya Babuta has identified novel molecules in a new pathway for phagocytosis in the protozoan parasite *Entamoeba histolytica*. Her work is the first detailed molecular study on phagocytosis in this organism and has important implications for understanding parasite virulence and disease.

3. **Dr Anjana Badrinarayanan** (*b* 15.08.1986), PhD, National Centre for Biological Sciences (TIFR), Bengaluru.

Anjana Badrinarayanan has applied novel approaches to make novel fundamental findings on how bacterial cells maintain genome integrity and repair DNA under conditions of stress. These have future implications for development of new strategies to combat infection.

4. **Dr Agnid Banerjee** (*b* 09.02.1988), PhD, TIFR CAM, Bengaluru.

Dr Agnid Banerjee has made significant contributions to the study of strong unique continuation property for fractional parabolic equations and sublinear parabolic equations and higher regularity of free boundary in the parabolic Signorini problem.

5. **Dr Anirban Basak** (*b* 30.01.1986), PhD, International Centre for Theoretical Sciences, Tata Institute of Fundamental Research, Bengaluru.

Dr Anirban Basak has made a distinguished beginning in what promises to be an outstanding research career in the theory of Random Matrices. His work on the sharp dependence of the invertibility property of a sparse matrix, on a specific relationship between its sparsity parameter and the order, is very significant.

6. **Dr Haritha Bollinedi** (b 23.07.1987), PhD, Division of Genetics, Indian Agricultural Research Institute (IARI), New Delhi.  
Dr Haritha Bollinedi has made important contributions by analysing technical complexities in molecular events required for crop improvement by transgenic approaches. Her work on molecular characterization of provitamin A enriched golden rice lines, identification of stable donors and QTLs for Fe and Zn, analysis of genetic variation in starch composition of rice endosperm and identification of novel LOX3 null genotypes, are important for addressing the global challenges of hidden hunger, obesity and type-2 diabetes.
7. **Dr Dhiman Chakravarty** (b 11.03.1988), PhD, Bhabha Atomic Research Centre, Mumbai.  
Dr. Dhiman Chakravarty has done significant work in unravelling the underlying mechanisms involving specific Mn-catalase for overcoming environmental stresses especially salt/desiccation stress in the agriculturally important nitrogen fixing cyanobacterium *Anabaena* having immense potential for suitable biotechnological applications.
8. **Dr Aravind Kumar Chandiran** (b 24.06.1986), PhD, Department of Chemical Engineering, Indian Institute of Technology, Chennai.  
For designing new materials for various optoelectronic, and (photo)electrochemical applications, and realizing air- and moisture-stable lead-free double/vacancy-ordered perovskites.
9. **Dr Shouvik Das** (b 02.01.1990), PhD, Pulse Research Lab, Division of Genetics, Indian Agricultural Research Institute (IARI), New Delhi.  
Dr. Shouvik Das has made important contributions to developing large-scale genomic resources and efficient genotyping strategies for rapid quantitative dissection of complex traits in chick pea. He delineated promising major genomic loci governing flowering time, pod number and seed weight for genetic improvement of chickpea.
10. **Dr Debdip Ganguly** (b 20.10.1986), PhD, Department of Mathematics, Indian Institute of Science Education and Research, Pune.  
Dr Debdip Ganguly has made important contributions to a broad swath of areas: Geometry and Analysis with heat kernels and Green's functions in Riemannian Manifolds. His studies on the Liouville theorem for Schrodinger operators and more recently, on hyperbolic spaces are of high quality .
11. **Dr Eshan Ghosh** (b 07.07.1988), PhD, Department of Drug Design and Pharmacology, Faculty of Health and Medical Sciences, Copenhagen, Denmark.  
Dr. Ghosh's work focused on understanding the interaction of G protein-coupled receptors (GPCRs) with their regulatory proteins called  $\beta$ -arrestins ( $\beta$ arrs), and for modulating the functional outcomes of this interaction. He developed synthetic antibody fragments that selectively bind  $\beta$ -arrestin2 but not  $\beta$ -arrestin1, which could be used to selectively inhibit GPCR endocytosis without altering their signaling outcomes, thereby allowing a clear dissociation of endocytotic and signalling functions of  $\beta$ -arrestin2.

12. **Dr Najmul Haque** (b 05.06.1986), PhD, National Institute of Science Education and Research (NISER), Bhubaneswar.  

For his outstanding work on QCD thermodynamics. He was the first to calculate the QCD thermodynamics at finite chemical potential within resummed perturbation theory (pt) up to the maximum possible loop-order (three-loop order). Three-loop HTL<sub>pt</sub> thermodynamics set a new milestone in the resummed perturbative framework in the field of theoretical nuclear physics and specifically heavy-ion physics.
13. **Dr Bharath Holla** (b 02.02.1986), MD, Department of Integrative Medicine, National Institute of Mental Health and Neuro-Sciences (NIMHANS), Bengaluru.  

Dr. Holla's research is on studying vulnerability risks in children of parents with alcohol use disorder, as well as treatment response biomarkers. Graph-theoretical modeling of functional brain networks showed that developmentally relevant disruptions at critical brain regions subserving cognitive, affective, and sensorimotor processes. Recently, he developed the Indian brain templates for ages 6 to 60 years. These will be a valuable resource for neurologists, neurosurgeons, psychiatrists and neuroscientists that provide reference maps for areas of interest in individual patients with neurological disorders like strokes, brain tumors, and dementia.
14. **Dr Amit Jaiswal** (b 27.09.1986), PhD, Indian Institute of Technology Mandi, Mandi.  

Dr. Amit Jaiswal is acknowledged for his innovative work on the development of gold nano-rattle, embedded in a shell structure as a multi-modal platform for biological sensing and theranostic applications. By bringing about a control on the shape and size of the embedded nano-rattle to tune the NIR plasmonic response and using the silica shell for SERS imaging, these nano-particle assemblages have been effective as the stimuli responsive nanomaterial for drug delivery and photothermal therapy.
15. **Dr Anshuman Kumar** (b 01.11.1986), PhD, Indian Institute of Technology, Bombay.  

For his exceptional research which has fundamentally influenced the understanding of novel optical phenomena in two dimensional quantum materials as well as artificially engineered photonic structures called metamaterials.
16. **Dr Rajni Kumari** (b 01.10.1989), PhD, Department of Cell Biology, Albert Einstein College of Medicine, New York.  

Dr. Kumari worked on the role of genes critical for p53 tumor suppressive functions under metabolic stress and found caspase-10 as one of the significantly upregulated p53-target genes. This has the potential for exploiting metabolic stress and caspase-10-ACLY regulation axis with therapeutic strategies for progression prevention and cancer interception.
17. **Dr Santosh Kumar Kuncha** (b 01.04.1990), PhD, Centre For Cellular And Molecular Biology, Structural Biology Laboratory, Hyderabad.  

Dr. Kuncha has worked on how nature maintains proteome homeostasis by the use of the enzyme D-aminoacyl-tRNA deacylase for proofreading during protein biosynthesis. During the present COVID-19 pandemic, he has also contributed to the development of a new RNA-independent mode of SARS-CoV-2 diagnosis.

18. **Dr Biplab Maji** (*b* 26.01.1987), PhD, Indian Institute of Science Education and Research Kolkata.  
For his significant contributions to greener and sustainable organic synthesis using earth abundant metal catalysts.
19. **Dr Venkata Vamsee Aditya Mallajosyula** (*b* 27.09.1986), PhD, Institute for Immunity, Transplantation and Infection, Stanford University, California.  
Dr. Vamsee Mallajosyula has made significant contributions in designing influenza immunogen, which was the basis for development of universal flu vaccines. Subsequently, he extended these designs to other subtypes and constructs. He also developed stem-domain fragments from various strains of H1 and H3 HA that could be expressed as soluble trimeric proteins in *E. coli*.
20. **Shri Nitesh Mishra** (*b* 08.01.1993), MSc, All India Institute of Medical Sciences, New Delhi.  
Mr. Nitesh is continuing his PhD work in the field of HIV vaccine design. He made a detail presentation on identification of HIV-1 infected infants with potent anti-HIV-1 plasma broadly neutralizing antibodies and understanding the viral features that are responsible for generation of such potent plasma Abs. He explained that plasma Abs targeting the top of the viral spike are common in infants of Indian origin. His work has the potential to be an important step in the field of HIV-1 vaccine for assessing polyvalent vaccine candidates. He has very good publications in International Journals of high impact factor including Nature Communications (2020).
21. **Dr Abhishake Mondal** (*b* 02.04.1987), PhD, Indian Institute of Science, Bengaluru.  
For developing new classes of molecular magnets and demonstrating photomagnetic spin-state switching in a variety of transition metal complexes and polymers.
22. **Dr Tridib Kumar Mondal** (*b* 15.04.1986), PhD, Geological Studies Unit, Indian Statistical Institute Kolkata.  
For his original contributions towards elucidating the tectonic processes operative at the time of cratonization of the Archean greenstone granite belts, through innovative use of the field structures, micro-structures, anisotropic magnetic susceptibility (AMS) and paleo-stress determinations. His work has practical significance in understanding the evolution of auriferous lodes in shear zones.
23. **Dr MD Nasim** (*b* 15.01.1987), PhD, Department of Physics, Indian Institute of Science Education and Research, Berhampur, Odisha.  
For his outstanding work, towards understanding the Quantum Chromodynamics (QCD) phase diagram using STAR data. This has a long lasting impact on the quark-gluons plasma (QGP) program.
24. **Dr Praneeth Kumar Netrapalli** (*b* 20.07.1986), PhD, Microsoft Research, Bengaluru.  
Dr. Praneeth Kumar Netrapalli is recommended for his copious and excellent contributions to optimization algorithms for machine learning, in particular for nonconvex optimization and nonconvex-nonconcave min-max optimization in order to address issues in an adversarial framework.

25. **Dr Vamsi Pritham Pingali** (*b* 02.06.1987), PhD, Department of Mathematics, Indian Institute of Science, Bengaluru.

Dr Vamsi Pritham Pingali has made significant contributions to certain differential geometric aspects of vector bundle theory. He formulated a novel vector bundle version of the Monge-Ampère equation which gave differential-geometric interpretation of the stability of a certain class of bundles. He also proved a Kobayashi-Hitchin correspondence for this equation in the case of vortex bundles. His work on providing interesting evidence for Griffiths's conjecture on positivity criteria for ampleness of Hermitian holomorphic vector bundles is noteworthy.

26. **Dr Lakshmi Narayan Ramasubramanian** (*b* 19.05.1986), PhD, Indian Institute of Technology Delhi, New Delhi.

Dr Lakshmi Narayan Ramasubramanian has made significant contributions in the development of bulk metallic glass composites which have very high strength and at the same time high toughness. By following a new method of laser beam modulation, he has generated superior microstructures in laser additive manufactured objects.

27. **Dr Kabir Ramola** (*b* 03.05.1986), PhD, Tata Institute of Fundamental Research, Hyderabad.

For his outstanding contributions to several areas of Statistical Physics. His work elucidates how cooperative phenomena arise in interacting systems, both in and out of equilibrium, focusing on phenomena such as condensation in lattice gases, jamming and glassy behavior in athermal systems, and clustering and phase separation in locally driven systems.

28. **Dr Chinmay Saha** (*b* 05.05.1986), PhD, Genome Science School of Interdisciplinary Studies, University of Kalyani, Nadia.

Dr Chinmay Saha has worked on interaction between rice, JGTA-S1 and its endosymbiotic bacteria. JGTA-S1 was amongst the endophytes isolated from the cattail which grows in nitrogen-free media and is positive for dinitrogen reductase gene *nifH*. JGTA-S1 shows a dimorphic change from yeast to filament form when it is near or inside the rice plant. In its filament form JGTA-S1 interacts with bacteria. These are interesting findings as eukaryotes cannot fix nitrogen. Dr. Saha and others for the first time suggested that JGTA-S1 not only increases nitrogen uptake in plants but also fixes nitrogen.

29. **Shri Manmohan Sharma** (*b* 28.05.1989), MSc, International Centre For Genetic Engineering and Biotechnology (ICGEB), New Delhi.

Shri Sharma's work has provided the biochemical validation of plasmodium phenylalanine tRNA synthetase enzyme as a drug target for the highly potent series of anti-malarial compounds (BRD) that have the potential to become the next-generation antimalarials. His work has shown that structure-based small-molecule design strategy can generate potent inhibitors not only for malaria parasites but also against other eukaryotic pathogens.

30. **Dr Akanksha Singh** (*b* 29.04.1987), PhD, Division of Crop Protection and Production, CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow.

Dr Akanksha Singh has made important contributions to promoting and understanding the mechanism of protection of chickpea and rice against abiotic stress by rhizosphere associated microbes. She identified the anti-virulence potential of phytochemicals, like thymol oil in

controlling bacterial blight in rice by inhibiting biofilm formation. In chickpea, she demonstrated the biocontrol activity of *Trichoderma* against collar rot, through redox homeostasis. Her work on the protective effect of specific anti-oxidants on promoting root colonization by rhizosphere bacteria is noteworthy.

31. **Dr Abhishek Sinha** (b 12.03.1987), PhD, Department of Electrical Engineering, Indian Institute of Technology Madras, Chennai.

Dr. Abhishek Sinha is recommended for his contributions to stability and optimality problems in wireless and content distribution networks, inclusive of issues such as robustness in adversarial settings using rigorous performance metrics like competitive ratio and regret functions. It includes many classical problems like routing in networks, mobile computing and caching in realistic dynamic settings.

32. **Dr Saloni Sinha** (b 08.03.1991), PhD, Yale University, Connecticut, USA.

Dr. Saloni Sinha has contributed towards our understanding of hematopoietic homeostasis. She deciphered the conserved role of Asrij, an OCIA domain protein and demonstrated how its absence causes the onset of myeloproliferative disorder due to loss of hematopoietic stem cell quiescence and premature aging.

33. **Dr Hrishikesh A Tavanandi** (b 06.04.1986), PhD, Department of Food Engineering, CSIR-Central Food Technological Research Institute, Mysore.

Dr. Hrishikesh Tavanandi has developed innovative and translatable hybrid and integrated separation processes to achieve gains in yield and quality of extractable, economically useful phytochemicals from biomass. The noteworthy processes developed by him include, high quality c-phycoyanin from *Spirulina* and quality drying of micro-organisms by methods alternative to freeze drying. He has designed a variety of equipment for versatile applications in food processing, like those for dosa-making, lemon cutting, puffing and popping, and wet-cum dry grinding.

34. **Dr Ritika Tiwari** (b 01.07.1988), PhD, Cleveland Clinic, Lerner Research Institute, Cleveland Ohio, USA.

Dr. Ritika's research is towards delineating the molecular mechanism of SPINK1-mediated oncogenesis, and understanding tumour heterogeneity. She has used prostate, and colorectal cancer models to establish the functional relevance of the SPINK1 oncogene and its therapeutic implications in the patients. Importantly she verified that Casein Kinase 1 inhibitor, could be used as an adjuvant therapy to halt the progression of SPINK1-positive neuroendocrine prostate cancer. One of her papers though appeared in pubpeer but has a corrigendum published in Oncogenesis.

35. **Dr Vivek Tiwari** (b 21.03.1986), PhD, Indian Institute of Science, Bengaluru.

For developing state-of-the-art coherent multidimensional spectroscopic techniques and quantum dynamical models to understand ultrafast energy and charge delocalization at the nanoscale.

36. **Dr Sudipta Tung** (b 14.01.1989), PhD, Ashoka University, Sonipat.

Dr. Sudipta Tung has carried out original and creative work on population stability and evolution of dispersal. Using laboratory populations of *Drosophila melanogaster*, he has uncovered the behavioural, physiological and metabolic correlates of dispersal evolution. He has also investigated the efficacy of various control methods in stabilizing the dynamics of real biological populations. He combines theory and classical assays of experimental evolution with modern physiological and metabolomics techniques, which is a very rare combination in the field.

## RECIPIENTS OF INSA YOUNG HISTORIAN OF SCIENCE AWARD 2021

1. **Mr Anand Viswanathan** (*b* 21.01.1987), Research Associate, Center for Ancient History and Culture, Jain University (deemed), Bengalore  
For the significant contributions made by him towards understanding in Pre-Siddhantic Astronomy with special reference to *Vṛiddha-garḡya-jyotiṣam*.
2. **Dr S Uday Kumar** (*b* 01.03.1987), Post-doctoral Research Associate, Heritage Science and Society program, School of Humanities, National Institute of Advanced Studies, Bangalore  
For the significant contributions made by him towards understanding in ancient Technology and Science through an Archaeo-Experimental Approach.

## INSA TEACHER AWARDEES - 2021

1. **Professor Vidya Dnyaneshwar Avasare** (*b* 07.08.1971), Department of Chemistry & Department of Interdisciplinary Sciences, S P College, Pune  
 Professor Vidya Dnyaneshwar Avasare is recommended for the INSA Teacher Award for her excellent teaching of a variety of courses for undergraduate and postgraduate students including guidance of a large number of M.Sc. students, and also for development of new courses and laboratories, infusing research into teaching, and inspiring a large number of students to take up higher studies.
2. **Dr Yashmin Choudhury** (*b* 28.10.1978), Assistant Professor, Department of Biotechnology, Assam University, Durgakona Silchar Assam  
 Dr. Yashmin Choudhury is focusing on socially relevant biomedical issues like diabetes, and tobacco and betel-nut use, linked to high cancer risk in North-Eastern India. Through her research and teaching she is creating awareness and capacity building in biomedicine. She has made instructional videos to communicate with students in the absence of internet connectivity. She is an inspiring role model for budding women scientists.
3. **Dr Uma Dhawan** (*b* 05.09.1977), Department of Biomedical Science, Bhaskaracharya College of Applied Sciences, University of Delhi, Sector-2, Dwarka, New Delhi  
 Dr Uma Dhawan has promoted teaching in human genetics, computational biology, and bioinformatics, and strongly motivates her students towards scientific research. She has initiated a highly popular certificate course on *in silico* drug design. Her undergraduate students regularly undertake small research projects under her enthusiastic guidance.
4. **Dr Roshan D'Souza** (*b* 04.04.1968), Associate Professor in Zoology, Sophia College (Autonomous), Bhulabhai Desai Road, Mumbai  
 Dr Roshan D'Souza is tirelessly working to keep undergraduate Zoology teaching abreast of new research developments in the field; and provide holistic training to the students. She conducts the 'Excellence in Science Program' where students learn through seminars and project work; and is active in outreach for biology teaching to marginalized children
5. **Professor Pankajkumar Natawarlal Gajjar** (*b* 15.09.1966), Gujarat University, Ahmedabad, Gujarat  
 Professor Gajjar has an allround contribution in teaching, research and outreach programmes. He has taught at different levels, UG and PG. Besides, he has taken interest in school education by translating NCERT physics books in gujarati. Many of his ideas have been implemented in the laboratories of the state. He has fabricated some of the equipment in the university and encouraged other institutions in the state to develop their own. He has motivated a large

number of students to join a research programme and brought about an excellent academic environment. He is also an active member of the Indian Association of Physics teachers and the Gujarat Science Academy.

6. **Professor Santosh Janardan Gharpure** (*b* 07.08.1971), Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai

Professor Santosh Janardan Gharpure is recommended for the INSA Teacher Award for his excellence in teaching of chemistry courses for both undergraduate and postgraduate students including guidance of a large number of M.Sc. students for their project dissertations and Ph.D. students for their doctoral thesis, and also for active participation in outreach activities.

7. **Professor Naseer Iqbal** (*b* 11.11.1967), Department of Physics, University of Kashmir, Srinagar

Professor Iqbal has succeeded in motivating students, both boys and girls coming from remote areas of J and K in joining a research programme. He has widened their horizons by arranging regular visits to IUCAA and other academic institutes in the country. This also involved counselling the students and sometimes their families. Professor Iqbal has set an example by teaching a variety of courses and actively pursuing research. Many of his students are faculty members in academic institutions in the country. The award is a recognition for an impact in a region full of challenges.

8. **Professor Parasar Mohanty** (*b* 19.10.1967), Department of Mathematics & Statistics, Indian Institute of Technology Kanpur, UP

Parasar Mohanty strikes an excellent balance between research and teaching, bringing his research experience to bear in classroom teaching. This has resulted in a large number of his students pursuing a PhD, and many of them occupy faculty positions in premier institutes. We note also, with appreciation, his contribution to outreach activity for underprivileged students.

9. **Dr Upendranath Nandi** (*b* 03.04.1966), Associate Professor, Department of Physics Scottish Church College, Kolkata 1 & 3, Urquhart Square Kolkata West Bengal

Dr Nandi is an outstanding teacher and has inspired his students to do excellent research. He has opened a modern research laboratory to do experimental research, a rarity in a graduate-level college. He has been teaching a wide variety of subjects from 2000 in Scottish Church College. He has been a strong motivator of many students, including from other colleges by exposing them to recent developments. His commitment to do good research has set a benchmark for others, making a lively department. He has written text books including several examples and solutions, which has helped students to grasp the basics.

10. **Dr Charu Dogra Rawat** (*b* 19.10.1977), Assistant Professor, Ramjas College, University of Delhi, Delhi

Dr Charu Dogra Rawat has pioneered the undergraduate teaching of molecular microbiology and metagenomics through a project-based approach to expose students to practical research methodology. She organizes regular lectures/ workshops for students on diverse topics. She has been conducting the Bani School innovation camp for rural students in Himachal Pradesh under INSA outreach program.

11. **Professor Prasanta Sahoo** (*b* 12.07.1969), Department of Mechanical Engineering, Jadavpur University, Kolkata

Professor Prasanta Sahoo is recommended for the INSA Teacher Award in Engineering and Technology in recognition of his excellence in teaching at both undergraduate and postgraduate levels, inspirational guidance of a large number of Masters' and Ph.D. theses, and also for designing new courses, writing textbooks and outreach activities involving delivery of popular lectures for the benefit of students.

12. **Professor Pranab Sarkar** (*b* 12.06.1969), Professor in Chemistry, Visva-Bharati (Central University), Santiniketan, West Bengal

Professor Pranab Sarkar is recommended for the INSA Teacher Award for his excellence in teaching of chemistry courses at both undergraduate and postgraduate levels including guidance of a large number of M.Sc. and Ph.D. students, and also for active participation in designing new courses and development of laboratories.

13. **Professor Shalivahan** (*b* 10.03.1971), Dean (Research and Development), Department of Applied Geophysics, Indian Institute of Technology (ISM), Dhanbad, Jharkhand

Professor Shalivahan is recommended for the INSA Teacher Award for his passion and excellence in teaching Geophysics courses at undergraduate and postgraduate levels. As an inspirational teacher and an active researcher, he has been instrumental in developing scientific aptitude among students and motivated many students to take up research careers in Earth Science. He has the skill to explain the complicated topics in Geophysics in a lucid and easily understandable way.

14. **Professor Uma Shankar** (*b* 14.11.1967), Department of Botany, North-Eastern Hill University Umshing-Mawkynroh, NEHU Campus, Shillong, Meghalaya

Professor Uma Shankar is an inspirational teacher and an active researcher. He has a great mix of master and doctoral level students hailing from different parts of the country. Professor Shankar has a long experience of working in the North Eastern Region (NER) of India, besides working in the difficult terrains of Western Ghats and in Eastern Himalaya, and successfully collaborated with the institutions in these regions.

15. **Dr Paul Agastian Theoder** (*b* 02.09.1967), Associate Professor, Plant Biology and Biotechnology, Loyola College Nungambakkam, Chennai, Tamil Nadu

Dr P Agastian Theoder is recommended for the INSA Teacher Award for his sincere attempts in both teaching and research to popularize science with direct relevance to the society. He has ventured into diverse efforts that attempt to strike a balance between the intellectual and utilitarian aspects in his teaching courses. In all, Dr Theoder's career has spanned several key aspects of what constitutes motivational and inspiring teaching.

## RECIPIENTS OF MEDALS/LECTURES/AWARDS DURING 2020 AND 2021

### GENERAL MEDALS & LECTURE AWARDS

#### Meghnad Saha Medal

2021 Gagandeep Kang

#### Aryabhata Medal

2021 Shekhar C Mande

#### Sisir Kumar Mitra Memorial Lecture

2021 AK Singhvi

### SUBJECTWISE MEDALS / LECTURES / AWARDS

#### Satyendranath Bose Medal

2021 Rahul Pandit

#### Homi Jehangir Bhabha Medal

2020 HR Krishnamurthy

#### Sunder Lal Hora Medal

2020 HA Ranganath

#### Darashaw Noshervanji Wadia Medal

2021 DM Banerjee

#### Prasanta Chandra Mahalanobis Medal

2020 Arup Bose  
Mythily Ramaswamy

#### Golden Jubilee Commemoration Medal (Animal Sciences )

2021 R Sukumar

#### Vishwakarma Medal

2021 Thalappil Pradeep

#### Professor GN Ramachandran 60<sup>th</sup> Birthday Commemoration Medal

2021 Amit P Sharma

**Professor Krishna Sahai Bilgrami Memorial Medal**

2021    Narpinder Singh

**Professor Har Swarup Memorial Medal**

2021    Paramjit Khurana

**Professor Subramania Ranganathan Memorial Medal**

2021    Amit Basak

**Professor SK Joshi Memorial Medal**

2021    To be decided

**Professor Bal Dattatraya Tilak Lecture**

2020    No Award

**Dr Nitya Anand Endowment Lecture**2021    Asit Kumar Chakraborti  
          Sandeep Verma**Professor Vishnu Vasudeva Narlikar Memorial Lecture**

2021    To be decided

**Professor Vishwa Nath Memorial Lecture**

2021    To be decided

# INTERNATIONAL PROGRAMMES

## INTERNATIONAL PROGRAMMES

International relations in science are important not only for exchange of scientific information through scientific conferences and publications, but also for promoting international understanding among scientists of different nations through participation in scientific programmes and collaboration in special fields through exchange of personnel. To make these objectives functional, the Academy has launched the programme of international activities since past three decades.

### I. ADHERENCE TO THE INTERNATIONAL SCIENCE COUNCIL (ISC)

International Science Council (ISC), formerly known as International Council for Science (ICSU) is a non-governmental organization.

The International Science Council (ISC) was created in 2018 from a merger of the International Council for Science (founded in 1931) and the International Social Science Council (founded in 1952).

The International Science Council (ISC) is a non-governmental organization with a unique global membership that brings together 40 international scientific Unions and Associations and over 140 national and regional scientific organizations including Academies and Research Councils.

### INSA-ISC NATIONAL COMMITTEES AND THEIR ACTIVITIES/OBJECTIVES

The National Committees recommend through the adhering organisation (INSA), its views regarding organisational changes of statutes, proposals for scientific action or matters for discussions, preparation of country status reports which may be desirable for bringing before the General Assembly of the respective Union. In addition, National Committees recommend scientists to represent the adhering organisation at the General Assembly /international congress of the respective Union. The National Committees also recommend hosting of General Assembly/Congress/International Conferences of the International Unions in India. Names of eminent scientists are also recommended by the National Committees for the Executive positions in the various ISC bodies. The Academy reconstituted the National Committees for a period of four years (2020-2023). Currently, there are 20 national committees to coordinate with the respective international unions. In all these committees, persons holding office in Executive Committee of international Union and the President (or his representative) of national level professional society will participate as an ex-officio member. Scientists occupying important positions in different ISC bodies are given below.

ISC National Committee comprises the President, INSA as the Chairman and includes all the Vice-Presidents, INSA and Chairmen of all the INSA National Committees corresponding to respective international Union/Committee as the Members of this committee.

## INDIAN SCIENTISTS HOLDING IMPORTANT POSITIONS IN ISC, ITS AFFILIATED UNIONS AND OTHER BODIES

Name of Scientist	Position
Professor LS Shashidhara	<i>President, IUBS (2019-2022)</i>
Professor Archana Bhattacharyya	<i>Member, IUGG Council (2019-2023)</i>
Dr V Prakash	<i>Vice President, IUNS (2017-2021)</i> <i>President, IUFOST (2020-2022)</i>
Dr. Ashima Anand	<i>Chair, IUPS Ethics Committee (2017-2021)</i> <i>Member, IUPS Council (2017-2021)</i>
Dr. KVR Chary	<i>Councillor, IUPAB (2022-2025)</i>
Professor Sanjay Mittal	<i>Member, IUTAM Congress Committee (2020-24)</i>
Professor TR Ramadas	<i>Member at Large, IMU Executive Committee (2019-2022)</i>
Dr Dipendra Prasad	<i>President, Commission for Developing countries (CDC) of IMU (2019-2022)</i>
Dr Bipul Behari Saha	<i>Member, IUPAC Bureau (2020-23)</i>
Dr M Ravichandran	<i>Vice President, SCAR (2018-2022)</i>
Professor NC Pant	<i>Deputy Chief Officer, SCAR Geoscience Group (2016-2022)</i>
Dr Rahul Mohan	<i>Member, SCAR-CBET Group (2018-2022)</i>
Professor DM Banerjee	<i>Member, UNESCO-IGCP Scientific Board (2020-23)</i>
Dr Pradeep Srivastava	<i>Member, Scientific Steering Committee of IGBP-PAGES core Project (2021-24)</i>

## II. SCIENTIFIC COOPERATION WITH THE ACADEMIES/ORGANISATIONS OF FOREIGN COUNTRIES (For details see INSA website: [www.insaindia.res.in](http://www.insaindia.res.in))

**International Bilateral Cooperation with Overseas Academies:** Since 1968, the Academy has been successfully collaborating with scientific academies/organisations abroad by exchanging research experience and scientific information. Such a relationship is achieved usually through bilateral cooperation i.e. exchange of scientist's visits, joint research projects, organisation and participation in the joint symposia/seminars and other scientific activities. The international collaboration and exchange programme are carried out by facilitating contacts of individuals/scientific institutions in India and abroad on the basis of formal Agreement/MoU established with the following 59 overseas academies/organizations in 50 countries.

***Etienne Wolff and Ramanujan Lecture Series:*** Beginning 2005, the Academy in association with the French Academy of Sciences instituted “Etienne Wolff and Ramanujan Lecture Series” to be organised alternately in India and France. The Etienne Wolff Lecture is delivered by the French scientist in India and the Ramanujan Lecture is delivered by the Indian scientist in France.

***Jawaharlal Nehru Birth Centenary Visiting Fellowship:*** In 1989, the Academy instituted the Jawaharlal Nehru Birth Centenary visiting Fellowship to commemorate Pt. Jawaharlal Nehru’s commitment and sustained support for science. This Fellowship enables the Academy to project the achievements of Indian Science and Technology abroad. The Fellowship is awarded once in three years to a distinguished Indian Scientist for delivering the series of Lectures abroad not restricted to countries with which the Academy has exchange programme.

***INSA-German National Academy of Sciences, Leopoldina Lecture Series:*** INSA and German National Academy of Sciences, Leopoldina have jointly taken an initiative to establish Lecture series between the two academies. A senior Indian speaker will deliver a (or a series of) lecture/s in Germany in one year and alternatively, a German scientist in India in the following year. This lecture series will be in addition to Indo-German Joint Symposia.

***Inter Academy Partnership (IAP):*** The Academy has been a member of IAP: “the Global Network of Science Academies” since 1994 and coordinating and participating in its various programmes on Science Education, Capacity Building, Water and Access to Scientific Information/Digital Divide, Women and Health Education etc. The Academy also works closely with the Inter-Academy Council (IAC), an executive arm of IAP founded in 2000 to mobilize the best scientists and engineers worldwide and to provide high quality advice to International bodies such as United Nations and the World Bank as well as other Institutions. The Academy was a member of IAC Executive Board for the term 2013-2017. The Executive Committees of IAP and the Inter Academy Medical Panel (IAMP) together with the Board of Inter Academy Council have created a single umbrella organization, Inter Academy Partnership (IAP) that will permit this three “interacademy” Network to speak with one voice and thus will have greater impact on global issues of common interest. The three main components of Inter Academy Partnership will be IAP for Science (formerly IAP), IAP for Health (formerly IAMP) and IAP for Research (formerly IAC). This will also include four regional networks (AASSA, NASAC, IANAS and IASAC). The IAP will be representing 140 member academies. The Academy is a member of Inter Academy Partnership.

***Association of Academies and Societies of Sciences in Asia (AASSA):*** The Academy, a founder member organisation of the Federation of Asian Scientific Academies and Societies (FASAS), has been supporting activities since its inception in 1984 in India. In 2012, FASAS and the Association of Academies of Sciences in Asia (AASA) have been merged and formed a new organization named the Association of Academies and Societies of Sciences in Asia (AASSA). INSA has become a member of AASSA. AASSA includes around 34 scientific academies/societies of the Asian region. The organization has the goal to stimulate regional cooperation and promote material and regional self reliance by showing each other experience.

***Science Council of Asia (SCA):*** The Science Council of Asia (SCA) is an international scientific organization founded in 2000 by Asian science academies and other national scientific organizations. SCA aims to provide scientists in all fields, including cultural and social as well as natural sciences and technology, a collaborative platform for promoting scientific exchange and cooperation in Asia, and to develop and promote a holistic vision focusing on sustainable development and improvement in quality of life. At present, SCA is comprised of 32 academic organizations in Asia and SCA Conference has been held annually since 2001. The Academy is a member of SCA.

***The World Academy of Sciences (TWAS)/Third World Network of Scientific Organisations (TWNISO):*** The Academy as a member organisation of the World Academy of Sciences (TWAS)/Third World Network of Scientific Organisations (TWNISO) has been actively participating and contributing significantly in their activities in India. TWAS India office has been established in INSA to coordinate all the activities by TWAS Fellows in the country.

***Chairs for Inviting Overseas Scientists:*** In order to facilitate the interaction with distinguished overseas scientists with their Indian counterparts, the Academy has established following six chairs named after Professor PC Ray, Dr Vikram Sarabhai, Professor DS Kothari, Professor AS Paintal, Dr BP Pal and Dr V Ramalingaswami.

## SCIENCE PROMOTION

Basic research, a pre requisite for applied research leading to developmental activity, conducted by the academic institutions, was supported by the Academy in the past by instituting programmes of support to individual scientists, interdisciplinary and multi-institutional programmes. With the emergence of major funding bodies in the country for carrying out scientific research, the Academy modified its programme to support individual scientists.

### INSA DISTINGUISHED PROFESSORS

With effect from January 1, 2018, the Academy initiated Ten Professorial Chairs, they are named as “INSA Distinguished Professors”. The Professorship is awarded in recognition of outstanding contributions to any branch of Science & Technology falling within the purview of the Academy. The main aim of the Professorship is to provide recognition to a person who has made outstanding scientific research contributions and to enable him/her to continue to contribute to the subject of his/her choice. Each of the INSA Distinguished Professor would be required to have an institutional attachment and will receive consolidated honorarium of Rs.1.00 lakh per month and a contingency grant of Rs.2.00 lakhs per annum. Funds will be released to the institute with which the Distinguished Professor is attached.

For detailed guidelines refer INSA website <http://insaindia.res.in/rps.php>

### INSA SENIOR SCIENTIST PROGRAMME

The Academy instituted in 1985 a programme of INSA Senior Scientist to utilize the expertise of superannuated INSA Fellows working in India to continue to work in the area of his/her choice in an R&D centre/university/institution in India.

The term of an INSA Senior Scientist is initially for a period of three years, extendable for another two years after review of achievement of three years' work. Selected Fellows have to join within a period of six months from the date of issue of the offer letter. The number of INSA Senior Scientists to be selected each year will be decided by the Council based on the availability of funds. The grants consist of an honorarium of Rs. 30,000/- per month and a contingency of Rs. 1,00,000/- per annum. The funds will be drawn by the host institution where the Senior Scientist works. He is entitled for 60 days leave in a year with honorarium.

For detailed guidelines refer INSA website <http://insaindia.res.in/sps.php>

**INSA HONORARY SCIENTIST PROGRAMME**

INSA Honorary Scientist Scheme, initiated in May 2000, aims to engage and utilize the expertise of active superannuated Fellows of the Academy to contribute to the growth of science by working in some recognized institutions/universities in India through activities such as preparing monographs/books and other publications.

The term of an INSA Honorary Scientist is initially for a period of three years, extendable for another two years after review of achievement of three years' work. Selected Fellows have to join within a period of six months from the date of issue of the offer letter. The number of scientists to be selected each year will be decided by the Council. INSA Honorary scientist position will be operated only through the organization to which the fellow is affiliated. Contingency grant is Rs. 1,00,000/- per annum.

For detailed guidelines refer INSA website <http://insaindia.res.in/hss.php>

**INSA EMERITUS SCIENTIST PROGRAMME**

INSA Emeritus Scientist Programme, initiated in 2015, aims to encourage superannuated fellows to be scientifically active. The position, offered for life, carries no contingency/honorarium.

**INSA VISITING SCIENTIST PROGRAMME**

The Academy has instituted INSA Visiting Scientist programme since 1991 to support scientists from less endowed institutions to conduct advance research and training in advanced Research Institutions/Laboratories within India. The number of INSA-Visiting Scientist positions to be awarded each year will be a maximum of 120 man-months per annum. Under this scheme consolidate amount of Rs. 30,000/- p.m. will be paid. This amount includes expenses towards travel, boarding, lodging etc. payable to the parent institute. The minimum period of fellowship is one month to a maximum of six months.

For detailed guidelines refer INSA website <http://insaindia.res.in/visiting.php>

**PARTIAL FINANCIAL ASSISTANCE FOR HOLDING NATIONAL/INTERNATIONAL CONFERENCE/SEMINAR IN INDIA**

The Academy provides partial financial support of Rs. 50,000/- (maximum) for National/International conferences/symposia/seminars/summer/winter schools. Proposals are received by the Academy throughout the year but their selection is done on Quarterly basis, subject to the availability of funds.

## INDIAN NATIONAL COMMISSION FOR HISTORY OF SCIENCE

The work for compilation of History of Sciences in India was started at the Asiatic Society, Calcutta in 1960 under the supervision of History of Science Board with Dr AC Ukil, FNA, the past-President of the Academy, as Chairman. The programme was sponsored by the Indian National Science Academy, the then National Institute of Sciences of India (NISI) and the necessary fund was sanctioned by the Government of India. In 1964, a deputation from the Academy headed by Dr HJ Bhabha, FNA met the then Education Minister, Mr MC Chagla to clarify the matter concerning the enlargement of the scope of History of Science Board and formation of a National Commission for the same purpose. As regards objectives of the National Commission, Professor DM Bose, FNA, the then Co-Chairman of the History of Science Board had recorded as follows:

*While special importance was given to the writings of the history of sciences in India, it was also recognized that history of science should be the subject of continuous study which the Indian Universities should be invited to take up later. For encouraging such studies, the sponsoring body, the National Institute should receive from the Government of India annual grants to be disbursed by the National Commission for the Compilation of History of Sciences in India. The Commission would appoint whole-time Professors and Readers to conduct research as well as supervise the work of research scholars and technical assistants. By such means a cadre of science historians would be trained from which the universities might be able to recruit staff for their history of science departments. (Ref Indian Journal of History of Science, Preface p.i, 1966).*

The Commission was set up in 1965 with 21 members from all over India consisting of scientists, historians, indologists and the President of the Academy as Chairman. The work of the Commission was however restricted to the supervision, compilation and publication of studies. A Journal, *Indian Journal of History of Science (IJHS)*, was also set up in order to stimulate contributions from investigators of different disciplines. In 1989, while assessing the progress report of the different research projects relating to ancient, medieval and modern periods, members of the Advisory Boards/National Commission felt that the Academy has done a laudable work in organization of research, systematic collection of sources and publication programme during the last 25 years. It was suggested that there is need for changing the name of the Commission creating and extending scope for study of History of Science from international perspective. The workshop made a unanimous suggestion that the name of the 'National Commission for the Compilation of History of Sciences in India' may be modified to the *Indian National Commission for History of Science*. In addition to other objectives already underlined under the programme, interpretation, critical evaluation of facts and publication of important materials were also emphasized. Till the year 2003, the work of the Commission was coordinated by three advisory boards for ancient, medieval and modern periods. This is now being coordinated by a 12 member Research Council. The quarterly *Indian Journal of History of Science (IJHS)*, the other important organ of the Commission of History of Science, started its publication since 1966. An Editorial Board is also reconstituted periodically for its smooth functioning.

## SCIENCE AND SOCIETY

Under the science & society programme, the Academy endeavours to address issues pertaining to science and technology that are of relevance to the society. Some of the initiatives are: Science education programme, study group for preparation of evidence-based well considered documents and topical seminars of societal relevance to initiate enthusiasm and positive discussion amongst the scientific community and influence science policy. In recent past the documents/books were prepared on

*Nutrition Security for India-Issues and way forward; Micro-nutrient Security for India-Priorities for research and action; Hazardous Metals and Minerals Pollution in India: Sources, Toxicity, and Management, Use of Animals in Scientific Research & Education, India's Nuclear Energy Programme, Indian Science Transforming India, MN Saba: His Science and Persona through selected letters and writings, Biomaterials Science and Implants, Drug Discovery and Drug Development: The Indian Narrative, Ethics in Science Education etc.*

### SCIENCE EDUCATION PROGRAMME

The Academy, jointly, in association with Indian Academy of Sciences(IASc), Bangalore and the National Academy of Sciences of India (NASI), Allahabad sponsored a variety of activities aimed at strengthening of higher education in science and encouraging the young students to take science as a career. These are:

1. **Summer Research Fellowships for Students and Teachers:** Under this programme, specific proposals are invited from students and teachers for the work they propose to undertake during the two month long Fellowship.
2. **A 2-week All India Refresher Courses for Teachers:**  
Two-week Refresher Course is aimed at capacity building of teaching community. The primary focus is to enhance the quality of science education at undergraduate and graduate levels. Refresher Courses are thus, primarily aimed at helping teachers to add value to their teaching.
3. **Lecture/Workshops for Students and Teachers:** Short-duration Lecture Workshops is an important segment of the activities under the Science Education Panel. These are of 2–3 days' duration, intended for the benefit of students and teachers at the undergraduate, graduate and research levels.

### FOCUS AREA SCIENCE TECHNOLOGY SUMMER FELLOWSHIP (FAST-SF)

With a view to enhance the spread of Science and Technology in the specific regions of the country, the Inter Academy has initiated the Focus Area Science Technology Summer Fellowship (FAST-SF). This programme is open for all Students and Teachers studying/teaching in the North-Eastern states

of India. VIZ. Arunachal Pradesh, Assam, Meghalaya, Manipur, Nagaland, Mizoram, Sikkim, Tripura, Bihar, Chhattisgarh, Jammu & Kashmir, Jharkhand and Madhya Pradesh only.

**Lectures by INSA Fellows/ Young scientist awardees/ Teacher awardees / Indian National Young Academy of Science (INYAS) members to young students and teachers of schools and colleges in the remote /rural areas**

The Academy launched a programme under which lecture-cum-interaction meetings were organized by the INSA Fellows/ Young scientist awardees/ Teacher awardees / INYAS members at schools/colleges in areas which were away from the urban areas to develop scientific temperament among the young students of rural /remote areas.

**INDIAN NATIONAL YOUNG ACADEMY OF SCIENCES (INYAS)**

The Indian National Science Academy, in 2015, established Indian National Young Academy of Sciences (INYAS). In this young academy, 20 new members not exceeding the age of 40 years, at the time of induction, are selected as INYAS members every year. The membership is for a fixed period of five years, thus, at equilibrium INYAS will have 100 members. Seven members working group (core committee), from among their members run the day to day activities. The Indian National Young Academy of Science is a platform that enables young scientists to interact, and works towards spreading the enthusiasm about science among school children. INYAS is recognized as the voice of young scientists of India by the Global Young Academy, and actively participates in various international events that invite participation by young scientists. INYAS hopes to work towards building a generation of Indians who practice science as a way of life. For details and the present list of INYAS members visit [www.insaindia.res.in/INYAS/](http://www.insaindia.res.in/INYAS/).

**INSA PANEL & INTER-ACADEMY PANEL ON 'WOMEN IN SCIENCE'**

The Indian National Science Academy established an INSA panel on Women in Science (refer p...). In addition, an Inter-Academy Panel on Women in Science( refer p...) was constituted jointly by three Academies (Indian National Science Academy, New Delhi; Indian Academy of Sciences, Bengaluru & National Academy of Sciences, India, Allahabad) with the aim of ensuring inclusion of women in S&T issues in all possible and pragmatic ways and strengthen the application of S&T to reduce the drudgery of women in rural areas. The main objectives of the panel are: to prepare a road map for implementation to encourage women in science and application of science for the welfare of women; to include more women in science and accelerate contributions of women in science; to ensure access to information about various opportunities.

**INSA PANEL & INTER ACADEMY PANEL ON 'ETHICS IN SCIENCE'**

The Indian National Science Academy established an INSA panel on Ethics in Science (refer p...). In addition, an Inter-Academy Panel on Ethics in Science has been set up (refer p...). This Inter Academy Panel will develop guidelines for ethical conduct of science, which could be adopted by all the Academies and other academic and research institutions across the country. Any complaint received

by the Academies on ethical issues will be referred to this panel. Under this panel, INSA brought out a publication on Ethics in Science Education.

### **ETHICS SCRUTINY COMMITTEE IN INSA**

The Indian National Science Academy constituted an Ethics Scrutiny Committee with following members:

Professor Anurag Sharma (Convener), Professor DM Banerjee, Professor NR Jagannathan. This scrutiny committee will initially go through the complaints received in the Academy related to ethical issues and if there is sufficient justification, the issue will be referred to the main INSA panel on Ethics in Science.

## INSPIRE

The Government of India (Department of Science and Technology) has launched a major programme to encourage original scientific research under the scheme 'Inspire' (Innovation in Science Pursuit for Inspired Research), which primarily aims to attract *Young Talents* (from age 10 to 32 years). It has already initiated a few schemes to attract students in the age group of 10-22 years. To facilitate the programme further, the DST has planned two new major schemes after Post graduation i.e. scholarship for pursuing *Ph.D* (Age group 22-27 years) and *Post-doctoral Research Fellowship* for 5 years under the *Faculty Fellowship Scheme*.

INSA, since 2011 on the request of DST has taken up the responsibility of *INSPIRE Faculty Fellowship* under AORC scheme (Age group 27-32 years) and inviting *Leaders in Science* to science camps for school students.

An *Independent Cell* has been set-up for this newly introduced programme at the INSA premises with separate budget provided by the DST. A core committee of three members advises the INSPIRE Cell of INSA for execution of this highly specialized programme.

This Programme is operated through eight discipline-wise *Selection Committees* and an *Apex Committee* for final selection of the *Faculty Fellows*. The selection is done once a year to attract more young Indian research scientists in the country and abroad.

The academy has also made arrangements for selection through SKYPE/video conference network for the applicants residing abroad.

## **AWARD OF FELLOWSHIPS TO RESEARCHERS FROM DEVELOPING COUNTRIES**

### **DBT-TWAS FELLOWSHIP PROGRAMME**

The fellowship is jointly promoted by TWAS, The World Academy of Sciences, Italy and Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India, New Delhi. The programme is being implemented through Indian National Science Academy (INSA), New Delhi from September 2020. The DBT-TWAS Post Graduate and DBT TWAS Post-Doctoral Fellowships are intended for researchers from developing countries such as Asia, Africa, Latin America and Arab region other than India to carry out research in newly emerging areas of biotechnology at premier research institutions in India. The aim of the fellowship is to address societal challenges through application of S &T in emerging areas such as affordable health care, water security, climate change adaptation, agriculture science, renewable energy and natural disaster prediction and management in their countries. The areas covered under this fellowship are Agriculture Sciences, Structural and Molecular Biology, Biological Systems and Organisms, Medical and Health Science including neurosciences and Chemical Sciences. The programme gives opportunity to acquire advanced biotechnological skills and exposure to sophisticated instruments and state-of- art facilities available in Indian host institutions. The duration of the fellowship is up to 5 years for Full Time Fellowships (for those willing to register for Ph.D in India), and 12-24 months for sandwich Fellowships (for those already registered for a Ph.D in their home country). The Post-Doctoral fellowship is for 12-18 months. Up to 25 fellowships are awarded annually. TWAS provides international travel support and DBT provides monthly stipend to take care of boarding and lodging during the fellowship period.

### **INSA -JRD TATA FELLOWSHIP**

Indian National Science Academy (INSA) instituted the INSA-JRD TATA Fellowship in honour of late JRD TATA, visionary and a leading industrialist. The fellowship was established from an endowment received from Sir Dorabji Tata Trust to foster advanced research training of scientists from the developing world and promote south-south cooperation. The purpose of this fellowship is to extend facilities of the advanced scientific infrastructure and expertise of India to scientists and researchers of developing countries. The duration of fellowship is for a maximum period of 3 months. About 10 fellowships are awarded annually. The fellowship covers return air fare from place of work to host institution in India, monthly allowance to cover boarding and lodging including one-time contingency grant. The awardees are allowed to choose a fellowship period mutually convenient to them and the host institute. On successful completion of the program, the awardees are required to submit a brief report to the centre and participate in subsequent feedback requirements on the usefulness of the programme in their home country.

**INDIA SCIENCE AND RESEARCH FELLOWSHIP (ISRF) PROGRAMME**

The fellowship was instituted in the year 2014 by Department of Science and Technology (DST), Government of India, New Delhi. INSA is the implementing agency on behalf of DST from September 2020. The fellowship aims to provide opportunity to scientists and researchers from India's neighbouring countries namely Afghanistan, Bangladesh, Bhutan, Maldives, Myanmar, Nepal, Sri Lanka and Thailand to work in contemporary research areas in all major disciplines of science and technology including engineering and medical sciences at premier research laboratories in India. As India is keen to enter into partnerships with the neighbouring countries to foster closer scientific and technological collaboration through capacity building in advanced areas of research and development, this fellowship remains as a platform to establish research cooperation with neighbouring countries of India which is one of the mandates of DST's International Science and Technology Cooperation. The fellowship is for a period of 3 – 6 months. The fellowship covers return air fare from place of work in their home country to place of work in India, monthly allowance to cover boarding & lodging and one-time contingency grant to the awardee and host scientist. The programme is funded by Department of Science & Technology. Up to 80 fellowships (10 per country) are awarded annually under this scheme. The fellowship applications are considered once a year by a duly constituted selection committee.

## INFORMATICS

The Informatics Centre of the Academy encompasses Computer Centre, Library and INSA Archives.

### *Online Activities*

In the COVID-19 pandemic situation, all the INSA activities were conducted online. Council meetings, Webinars, Book releases, different committee meetings, symposiums, and in-house office activities were conducted online.

### *National Digital Library*

INSA has been partnered with the National Digital Library (NDL) mission which is targeted to upload all the INSA publications e.g., Special Reports, Lectures, Journals, *Biographical Memoirs of INSA Fellows* etc. in digital format.

### *Augmentation of Wi-Fi*

New Cloud and WIPS based CISCO Meraki Wi-Fi facility has been implemented and maintained in entire INSA premises.

**Websites:** <https://insa.nic.in> and <https://insaindia.res.in>

### *Online Journals*

The Informatics Centre is actively associated with creation of electronic databases of INSA Journals and making them available for open access by the scientific community. Three INSA Journals namely *Proceedings*, *IJHS* and *IJPAM* are available online as open access at [www.insa.nic.in](http://www.insa.nic.in). Journal website [www.insa.nic.in](http://www.insa.nic.in) is working under the supervise of NIC Cloud server support team. Through NKRC consortium eight international online publications (Emerald, IEEE, J-Gate, Oxford University Press, Royal Society of Chemistry, Taylor and Francis, Web of Science, Wiley) are accessible within the INSA premises, which include more than 10,000 online journals. [www.insaindia.res.in](http://www.insaindia.res.in) is INSA official website to interact with social environment.

[www.insaindia.res.in](http://www.insaindia.res.in) is INSA's official website to which covers the INSA's core activities Fellowship, Council, Objectives, Regulations, Committees, Local chapters, Academy Awards, etc.

### *Other Activities*

The entire premises of the Academy have been networked through fiber cable and the IT infrastructure has also been further augmented. The National Knowledge Network (NKN) linkages have been set-up to further boost e-communication culture in the Academy with sectional email accounts as well as

bulk Informatics 265 email service being facilitated via National Informatics Centre. Online interviews for INSPIRE-DST candidates has been conducted through Vidyo-Video Conference and Skype.

### ***Library***

The library of the Academy primarily serves the Fellows of the Academy and other enrolled members. It renders reference service whenever required and extends facilities for consultation. At present it is receiving more than 350 scientific and technical journals and has collection of about 17,681 books covering Science and Technology, History and Philosophy of Science, Science Management and Science Policy. Besides this, Library is also procuring books in Hindi pertaining to the S&T area. Presently, it has over 1450 Hindi books.

### ***INSA Archives***

The archives unit was established during the Platinum Jubilee Celebrations which houses all available data of INSA Fellows, including books, reprints, detailed bio-data and list of publication. The INSA archive intends to preserve rare manuscripts and other valuable knowledge materials related to History of Science and Technology in India. It will also house photographs of Fellows, important events in the history of INSA, our relationship with other sister Academics/other International scientific bodies such as TWAS/IAP/IAC/FASAS etc, documentaries on the life of Fellows and other scientists and any other material concerning Academy, Indian Science and Fellowship. All these documents will be microfilmed, digitized and stored in a retrievable form.

### ***Electronic Resources***

All the essential data like Public Lectures videos, photos, workshop photographs, international conference data etc, are being archived. Besides, videos of popular lectures videos are shared with public through social media like Facebook, Twitter, YouTube, LinkedIn.

Youtube: <https://www.youtube.com/c/insasince1935>

Facebook: <https://www.facebook.com/insaindiaresein>

Twitter: @insa\_academy

### ***Creating Digital Resources***

The Informatics Centre had initiated digital content creation process and as a sequel to this, digitization of Fellowship records was initiated. The existing fellowship records collection has now been made available in digital format having suitable provision for database access.

## PUBLICATIONS

Proceedings of the Indian National Science Academy, Indian Journal of Science History, and Indian Journal of Pure and Applied Mathematics are among the Academy's publications. The Academy also publishes its Year Book, Scientific Reports/Monographs/Seminar Proceedings, and Biographical Memoirs. For all three of the Academy's journals, INSA had signed a co-publishing agreement with Springer Nature.

### *Proceedings of the Indian National Science Academy*

The first issue of the *Proceedings* was published in 1935 as a single issue for both Physical and Biological Sciences. It was split in two series – *Part A* and *Part B* in 1955. Six issues of each part were brought out in a calendar year.

*Proceedings*, which had earlier been devoted to original research reports in *Physical Sciences (Proceedings-Part A)* and in *Biological Sciences (Proceedings-Part B)* shifted its orientation from January 1998 by publishing review articles of contemporary scientific interest, evaluating advances and newer approaches in the concerned fields. They also contain reports from special interest symposia. The emphasis thus shifted from being vehicles of original research reports into ones of reviews and trends, as well as of comprehensive summary reports on chosen topics. The *Proceedings* then concentrated on bringing out thematic issues on current scientific topics containing invited reviews both from India and abroad since 2001. From year 2006, the Academy brought out a major change in the *Proceedings* as the two parts have been merged into a single volume. Quarterly issues of the *Proceedings* cover areas under Biological, Physical, Applied Sciences and also Engineering and are brought out in the months of March, June, September and December. The *Proceedings* has been rejuvenated to contain review papers, original research articles, short communication, commentaries, lateral thinking and emerging techniques etc.

The authors wishing to publish in the *Proceedings* of the Academy are welcome to submit their papers which shall be published following the usual standard peer reviewing process.

The *Proceedings* now includes Reviews, Original Research Articles, Commentaries/Opinion, Meeting Reports, Book-Reviews and Academy News.

The journal is being co-published with M/s Springer Nature from the year 2021.

### *Indian Journal of History of Science*

Published under the guidance of Indian National Commission for History of Science set up by the Academy. First published in 1966 as biannual and then switched over to quarterly from 1984 onwards. Devoted to studies and researches in various fields of ancient, medieval and modern science in historical perspective, it is an interesting forum for scientists, historians, sociologists and philosophers for exchange of their ideas on the evolution and characteristics of scientific concepts and technological advances. Starting 2021, the journal has been co-published by M/s Springer Nature.

### ***Indian Journal of Pure and Applied Mathematics***

The journal is devoted to original research in all areas of Mathematical Sciences. The journal started as a quarterly publication of the Academy in the year 1970. Due to the growth in the number of submissions, it was published monthly from 1973. It was a bimonthly publication between 2006 and 2015. Starting from 2016, it has been a quarterly publication. The journal is being co-published with M/s Springer Nature from the year 2010. The journal is freely available at <https://www.insa.nic.in/UI/journaldetails.aspx?AID=Mg==>.

### ***Other Publications***

*Biographical Memoirs of Deceased Fellows of the Indian National Science Academy*: Commenced in 1966. So far, 42 Volumes containing more than 563 memoirs has been published.

*Year Book*: First Issued in 1960.

Special Publications are brought out from time to time. Four special publications were published and released by the Academy.

Recently the Academy has initiated a program to publish regularly books on a wide variety of topics ranging from water resources to drug discovery highlighting the role of Indian scientists in meeting some of the challenges of our times.

All the details regarding the publication of the Academy is at the website [www.insa.nic.in](http://www.insa.nic.in).

## FELLOWS AND FOREIGN FELLOWS DECEASED SINCE THE FOUNDING OF THE ACADEMY

### FELLOWS

Abhyankar KD	Bachhawat BK	Bhaduri JL
Abhyankar SS	Bagchee KD	Bhaduri PN
Abraham KP	Bagchi KN	Bhagavantam S
Abraham WEV	Bahadur R	*Bhakuni DS
Adiga PR	Bahl KN	Bhakuni Vinod
Agarwal SC	Baini Prasad	Bhar JN
Agarwal SS	Balbhadra Prasad	Bhardwaja Y
Agarwala SC	Baldev Raj	Bhargava KP
Agharkar SP	Baliah V	Bhargava KS
Ahmad B	Banerjee DK	Bharucha FR
Ahmad F	Banerjee H	Bhaskaran K
Ahmad N	*Banerjee K	Bhaskara Sastri TP
Ahuja PS	Banerjee Kalyan	Bhat JV
Aiyar RG	Banerjee PK	Bhatia BL
Ajrekar SL	Banerjee S	Bhatia IS
Ali SM	*Banerjee Srikumar	Bhatia ML
Ambasht RS	Banerjee T	Bhatnagar PL
Anand Bal Krishan	Banerji AC	Bhatnagar SS
Ananda Rau K	Banerji I	Bhatt MV
Ananthakrishnan RI	Banerji SK	Bhattacharya DR
Ananthakrishnan SV	Bappu MKV	Bhattacharya P
Ananthakrishnan TN	Bardhan JC	Bhattacharya SK
Anantharaman TR	Barnabas J	Bhattacharyya A
Antia DP	Basu BC	*Bhattacharyya Bhabatarak
Antia KF	Basu Debidas	Bhattacharyya JC
Arya AS	Basu JK	Bhattacharyya PK
Asana RD	Basu JN	Bhattacharyya SC
Ash WC	Basu Kalipada	Bhattacharyya Sudhir K
Asundi RK	Basu NM	Bhide VG
Aswathanarayana U	Basu S	Bhimachar BS
Atma Ram	Basu Saradindu	Bhimsankaran VLS
Auden JB	Basu UP	Bhisey AN
Auluck FC	Beeson CFC	Bhowmik BB
Awasthi DD	Berkeley-Hill OAR	Bilgrami KS
Awati PR	Bhabha HJ	Bir SS
Ayyangar GNR	Bhaduri AN	Biswas AB

\*Deceased during the year 2021

Biswas BB	Chatterjee A	Dastur JF
Biswas K	Chatterjee B	Dastur RH
Biswas NN	Chatterjee G	Datey KK
Biswas SN	Chatterjee IB	Datta AG
Biswas Sukumar	Chatterjee GP	Datta Sachhingananda
Bomford G	Chatterjee NC	Datta Snehmoy
Bor NL	Chatterjee SC	Dayal B
Bose A	Chatterjee SD	De MN
Bose AK	Chattoo BB	De P
Bose DM	Chattopadhyaya KP	De Rajat
Bose GS	Chaudhuri H	Deb SS
Bose JC	Chaudhuri RN	Deodikar GB
Bose JP	Chawla MM	Desai RD
Bose MK	Chhibber HL	Deshpande BG
Bose MN	Chinoy JJ	Deshpande DL
Bose Nirmal Kumar	Chopra BN	Desikachary TV
Bose Nolini Kanto	Chopra RN	Dessau Gabor
Bose PC	*Chopra KL	Dewan IJ
Bose PK	Chopra SRK	Dey AK
Bose RC	Choudhury B	Dey BB
Bose SN	Chowdhury AB	Dhar ML
Bose SR	Chowdhury JK	Dhar MM
Brahm Prakash	Chowdhury KA	Dhar NR
Brahmachari UN	Chowdhury Mihir	Dhar SC
Buchi EC	Chowla S	Dhawan BN
Burma DP	Clegg ELG	Dhawan S
Burns W	Coates JC	Dikshit BB
Burridge W	Couchman HJ	Dinesh Mohan
Burt BC	Coulson AL	Divatia AS
	Crookshank H	Dixit KR
Cadambe V		Dogra PD
Calder CC	Damodaran M	Dominic CJ
Chakrabarty SK	Daniel RR	Doraiswamy LK
Chakravarti D	Das AK	Doss KSG
Chakravarti DN	Das BK	Dubey GK
Chakravarti R	Das BN	Dumir VC
Chakravarti Ram N	Das Jajneswar	Dunn JA
Chakravarti Rabindra N	Das Jyotirmoy	Dunncliff HB
Chakravarti SN	Das K	Dutt AB
Chakravarty C	Das MR	Dutt SB
Chakravorty M	Das PK	Dutta AK
Champion HG	Das Gupta CR	*Dutta GP
Chandrasekhar S	Dasgupta MK	Dutta NK
Chandrasekharan K	Das Gupta NN	Dutta PC
Chandrashekar MK	Dasgupta Somesh	Dutta Roy RK
Chatterjea JB	Das Gupta SN	
Chatterjea JN	Dastur DK	

Ekambram T	Ghosh Suddhodan	Iyengar MOP
Elwin V	Ghosh Sudhamoy	Iyengar PK
Esh GC	Ghosh TK	Iyer LKA
Evans P	Ghosh TN	Iyer PVK
	Ghurye GS	
Fermor LL	Gill PS	Jacob TM
Finch GL	Giri KV	Jagannathan V
Forster MO	Glennie EA	Jai Krishna
Fowler GJ	Gnanam A	*Jain AC
Fox CS	Gopal-Ayengar AR	Jain GC
	Gopala Rao RV	Jain HK
Gajri PR	Gopalan C	Jain SC
Ganapathi K	Gopinath N	*Jain SK
Ganapati PN	*Govil Girjesh	Janaki Ammal EK
Gandhi Indira	Govindachari TR	Jhingran AG
*Gandhi RP	Govindaswamy MV	Jhingran VG
Ganesh Prasad	Gravelly FH	Job TJ
Gangulee Hirendra C	Greval SDS	Joglekar DV
Ganguli HC	Guha BC	Johri BM
Ganguly AK	Guha BS	Joshi AB
Ganguly J	Guha PC	Joshi AC
Ganguly NC	Gulatee BL	Joshi BS
Ganguly PB	Gupta AS	Joshi SS
Ganju PN	Gupta BM	Jussawalla DJ
Garde RJ	Gupta HR	
*Gaur Deepak	Gupta J	Kadam BS
Gayen AK	Gupta JC	Kailasam LN
Gee ER	Gupta S	Kallianpur G
*George MV	Guptasarma Dharmajit	Kanungo MS
Ghatage VM	Guraya SS	Kanwar JS
Ghatak UR		Kapahi VK
Ghidyal BP	Haddow JR	Kapil RN
Ghose SL	Har Swarup	Kapil RS
Ghose AMN	Hariharan P	Kapur JN
Ghosh A	Harish Chandra	Kapur SN
Ghosh BN	Hasan M	Kar AB
Ghosh CS	Heilig Robert	Kasliwal RM
Ghosh J	Hendry D	Katiyar SS
Ghosh JC	Heron AM	Kaushal Kishore
Ghosh JK	Hora SL	Kaw PK
Ghosh NL	Huque MA	Kedharnath S
Ghosh PK	Husain MA	Khan Abrar M
Ghosh PN	Hutton JH	Khan Hamid
Ghosh RN	Huzurbazar VS	Khanolkar VR
Ghosh SN		Khastgir SR
Ghosh Satyeswar	Indra Bir Singh	Khatri CG
Ghosh Subir Kr	Ishaq Mohammed	Khattri KN

\*Deceased during the year 2021

*Khetrapal CL	Macgregor RA	Mills JP
Khoshoo TN	Macmahon PS	Minakshisundaram S
Khosla AN	Madhava KB	Mishra RS
*Khurana JP	Madhava Rao BS	Misra R
Kichlu PK	Mahabale TS	Misra RC
Kilpady Sripadrao	Mahadevan C	Mitra AP
King CA	Mahajan RC	Mitra HK
Kini MG	Mahajani GS	Mitra K
Knowles R	Mahalanobis PC	Mitra RP
Kosambi DD	Mahanti PC	Mitra S
Koshy PK	Maheshwari P	Mitra SC
Koteswaram P	Maheshwari SC	Mitra Sisir Kumar
Kothari DS	Maitra AN	Mitra Sujit Kumar
Kothari LS	Maitra Ashok P	Mitra SN
Kothavala ZR	Maitra PK	Mitter GC
Krishna Murti CR	Majumdar CK	Mitter PC
Krishna Rao GS	Majumdar DN	Modak NV
Krishnan KS	Majumdar GP	Modi VV
Krishnan KV	Majumdar RC	Moghe MA
Krishnan MS	Malhotra DR	Mohammad Wali
Krishnan PS	Malhotra PK	Mohan Ram HY
Krishnan RS	*Malik CP	Mohanty PK
Krishnaswami KR	Malik SK	Mookerjee HK
Krishnaswami S	Malurkar SL	Mookerjee RN
Kulkarni AB	Mangalik VS	Mookerjee S
Kulkarni BD	Mani AM	Mookherjee A
Kumar LSS	Manna GK	Moudgal NR
Kumar Narendra	Manoharan PT	Mowdawalla FN
*Kumar Sushil	Mata Prasad	Mudaliar AR
Kundu Anjan	Mathur HB	Mukerjee SK
Kundu BC	Mathur KK	Mukerjee SM
Kundu DN	Mathur KS	Mukerji B
Kushwaha RS	Matthai G	Mukerji S
Lahiri A	Mehra HR	Mukherjee AS
Lahiri DB	Mehra PN	Mukherjee JN
Lakhanpal RN	Mehra SR	Mukherjee KC
Lal Devendra	Mehrotra KN	Mukherjee P
Lal KB	Mehrotra RC	Mukherjee Surath Kumar
Lal MB	Mehta KC	Mukherjee Sushil Kumar
Lal RB	Mehta SM	Mukherji SM
Lal RK	Mehta VB	Mundkur BB
Lala AK	Menon KKG	Murty BR
Law SC	Menon MGK	Murthy YS
Lawande SV	Menon PK	
Laumas KR	Metcalfe EP	Nag BR
Lewis CG	Metre WB	Nagappa Y

Nagarajan S	Pal BP	Qasim SZ
Nagaraju J	Pal RK	Qureshi M
Nagchaudhury BD	Pal Yash	
Nagendra Nath NS	Palit SR	Racine C
Naha K	Pande IC	Radhakrishna BP
Naidu PRJ	Pande SK	Radhakrishnan AN
Naik KG	Pandeya SC	Raghavan S
Nair KR	Pandit CG	Raghavarao R
Nair NBK	Pandita PN	Raizada MB
Nair US	Pandya AH	Rajagopal CT
Nakra BC	Pandya SP	Raja Gopal ES
Nanda J	Panikkar NK	Rajasekarasetty MR
Nanda KK	Panja G	Rajnath
Nanjundayya C	Panse VG	Raju SP
Naqvi SM	Pant DD	Rakshit H
Narain Hari	Pant NC	Ram Behari
Narasimham NA	Paranjpe GR	Ramachandra K
Narasimham NS	Paranjpye RP	Ramachandran Arcot
*Narasimhan MS	Parija P	Ramachandran LK
Narasimhan PT	Parkinson PE	Ramachandran GN
Narasimhan R	Parthasarathy N	Rama Das VS
Narayan AL	Parthasarathy S	Ramakrishnan T
Narayana B	Pasticha CL	Ramalingaswami V
Narayanan ES	*Passi IBS	Ramamurti B
Narayanamurty D	Patel CC	Ramamurti V
*Narayanaswamy Srinivasan	Patwardhan VN	Ramamurthy B
Narlikar VV	Paul RC	Raman CV
Nasipuri D	Penman D	Ramanathan KG
Natarajan P	Percival FG	Ramanathan KR
*Nath Indira	Peters B	Ramanathan N
Nath MC	Philpot HP	Ramanujam Srinivasa (E. 1948)
Nayar KK	Pichamuthu CS	Ramanujam Srinivasa (E. 1983)
Nayudamma Y	Pillai MKK	Ramaseshan S
Nehru Jawaharlal	Pinfold ES	Ramaswami LS
Neogi P	Pisharoty PR	Ramaswamy GS
Nigam HL	Pradhan S	Ramaniah MV
Nijhawan BR	Pradhan SK	Ramanna R
Nityanand Swarn	Prakash Ishwar	Ramdas LA
Normand Charles WB	Prakash Shyam	Ramesh R
Notani NK	Pramanick SK	Ramiah K
	Prasad BN	Ram Udar
Olver Arthur	Prasad MRN	Ranadive KJ
	Prihar SS	Randhawa MS
Padayatty JD	Pruthi HS	Randhawa NS
Paintal AS	Puri BR	Ranganathan D
*Padmanabhan Thanu	Puri V	Ranganathan S
Pakrashi SC	Purkayastha RP	Rangarajan SK

\*Deceased during the year 2021

Rangaswami S	Roy AK	Sekhon GS
Rao AK	Roy BB	Sen AB
Rao AR	Roy BC	Sen B
Rao BR	Roy DP	Sen BM
Rao Bellur Rama	Roy RP	Sen HG
Rao BS	Roy Supriya	Sen HK
Rao CRN	Roy SK	Sen JM
Rao CV	Roy Sarat Chandra	Sen KC
Rao CVH	Roy Sures Chandra	Sen NK
Rao HS	Roy SN	Sen NR
Rao KR	Royds T	Sen PK
Rao KR		Sen RN
Rao LR	Sachdev PL	Sen SK
Rao MVR	Sadasivan TS	Sen SN
Rao NGP	Sadhu DP	Sen SP
Rao NSG	Saha Ajit Kumar (E. 1959)	Sengupta JC
Rao NVS	Saha Ajit Kumar (E. 1968)	Sengupta M
Rao P Ramachandra	Saha Amulya Kumar	Sengupta NN
Rao PS	Saha MN	Sengupta P
Rao SRN	Saha NK	Sengupta SM
Rao SR	Sahni B	Seshachar BR
Rao TR	Sahni MR	Seshadri TR
Rao UR	Saksena RK	Seshaiya RV
Rao VSR	Saksena SB	Seth BR
Rastogi RP	Salim Ali MA	Sethna HN
Rastogi RG	Sandhu SS	Setna SB
Ray AP	Santapau H	Sewell RBS
Ray BB	Santappa Mushi	Shah RC
Ray HN	Sanyal GS	Shah SM
Ray JC	Sanyal SC	Shah VC
Ray JN	Sarabhai VA	Shankar Jagdish
Ray M	Sarkar JK	Shanmugam G
Ray NK	Sarkar Pulin Bihari (E. 1935)	Sharif M
Ray PC	Sarkar Pulin Bihari (E. 1946)	Sharma Archana
Ray PR	Sarkar SN	Sharma AK
Ray RC	Sarkar SS	Sharma GP
Ray SN	Sarma PS	Sharma KN
Raychaudhuri AK	Sarma YSRK	Sharma Tikaram
Raychaudhuri Sachi P	Sastri MVC	Sharma VK
Raychaudhuri Satya P	Sastri VV	Sharma VP
Raychaudhuri Syama P	Sastry PS	Shastry SVS
Reddy GM	Sathyanesan AG	Shaw FJF
Reddy CRRM	Satya Swaroop	Sheth AR
Rodrigues VF	Satyamurthy NS	Shortt HE
Rohatgi-Mukherjee KK	Savur SR	Shri Ranjan
Roonwal ML	Sawhney K	Siddiqi Obaid
Row LR	Saxena PN	Siddique HN
Row R	Saxena RN	Siddiqi MR
Roy Amalendu	Seal SC	Sikka SM

Simpson RR	Subrahmanyam NC	Udupa HVK
Singh B	Subramaniam AP	Ukil AC
Singh BK	Subramanian CV	Uppal BN
Singh Baij Nath	Subramanyam K	Uppal HL
Singh Bhola Nath	Subramanian V	Vachell ET
Singh Digvijai	Sudarshan ECG	Vaidya PC
*Singh IB	Sukhatme PV	Vaidya WM
Singh Inderjit	Sukheswala RN	Vaidyanathan CS
Singh J	Sulaiman SM	Vaidyanath LR
Singh Lalji	Sundaram CV	Vakil RJ
Singh RP	Sundaram K	Varadachari VVR
Singh S	Sundararaj B	Varma RK
Singh SN	Sundararaj BI	Varma RS
Singhwi KS	Sur NK	Vasudeva RS
Sinha AKP	Surange KR	Venkataraman K
Sinha MS	Suxena MR	Venkataraman GS
Sinha SK	Swaminathan M	Venkataraman TS
Sinton JA	Swarup K	Venkatesachar B
Sircar AC	Tandon BN	Venkateshwarlu J
Sircar SM	Tandon HD	Venkateswarlu P
Sirkar SC	Tandon RN	Venkiteswaran SP
Sivaraman C	Tandon SL	Verma AR
Sohi HS	Tata JRD	Verma JP
Sohoni VV	Tawde NR	Venkoba Rao A
Sokhey SS	Taylor J	Verman LC
Somayajulu BLK	Temple FC	Vig OP
Sondhi VP	Thacker MS	Vijayaraghavacharya T
Soparkar BM	Thapar GS	Vijayaraghavan T
Spencer E	Thapliyal JP	Vishwa Nath
Sreekantan BV	Thathachar MAL	Vishwanath B
Sreenivasan A	Thind KS	Vishwanathan R
Sri Krishna	Thirumalachar MJ	Vishwanathiah MN
Srikrishna A	Thiruvencatachar VR	Viswamitra MA
*Srinivasan MS	Thomas Joseph	Wadia DN
Srinivasan R	Thosar BV	Wadia NH
Sri Niwas	Tilak BD	Wahi PN
Sriramachari S	Tirumurti TS	Ware F
Srivastava BN	Toshniwal GR	West WD
Srivastava HD	Trehan SK	Wheeler REM
*Srivastava ON	Trevor CG	Wheeler TS
Srivastava PL	Tribedi BP	Wraight EA
Srivastava PN	Tripathi RS	Yadava SL
Srivastava US	Trivedi BS	Yajnik NA
Stewart AD	Trivedi H	Zaidi SH
Subba Rao GV	*Udayakumar M	
*Subba Rao Kalluri	Udgaonkar BM	
Subbarayappa BV		

*\*Deceased during the year 2021*

## FOREIGN FELLOWS

Alexandrov AP	Dale Sir Henry Haiieti	Hodgkin Sir Alan Lloyd
Alfven HOG	Daly RA	Hollaender A
Allen Percival	De-Brogile L	Holland Sir Thomas
Ambartsumian VH	Debye P	Holliday Robin
Appleton EV	Diels L	Hopkins Sir FG
Arnold JR	Dirac PAM	Horecker BL
Asahina Y	Dodson GG	Housner GW
Atiyah SMF	Donnan FG	Houssay BA
		Hutchinson J
Bailey EB	Eddington Sir Arthur	Huxley AF
Bardeen John	Edmunds CW	
Barton DHR	Einstein A	Joshida T
Basov NG	El-Kassas MAF	Kadyshevsky VG
Beadle GW	Engelhardt VA	Kanazir Dusan
Belousspv VV	Erdos Paul	Kapitza P
Benson SW	*Ernst Richard R	Karrer P
Bergstrom KS	Euler Hans Von	Katritzky AR
Bern HA		Keith Sir Arthur B
Birch AJ	Feng TP	Kendrew JC
Blackett PMS	Fisher RA	Khurana Har Govind
Blakeslee AF	Fleming Sir Alexander	Kihara H
Bogolubov NN	Frazer Sir James G	Kinne Otto
Borlaug NR	Frumkin AN	Koptyug VA
Breslow RCD	Fyfe WS	Kovda Victor A
Brown HC		Kostrzewski JK
Burris RH	Gell-mann Murray	Krebs Sir Hand
	Ginzburg VL	Kriebel HB
Cahn RW	Goodrich ES	Kuhn R
Carey SW	Greenwood Major M	Kuznetsov FA
Caspersson TO		
Chagas C	Hagenmuller Paul	Laue M Von
Chain EB	Haldane JBS	Lawrence EO
Chandrasekhar S	Hammond GS	Leiper RT
Chapman S	Harris T	Li Choch Hao
Chatt Joseph	Heim Albert	Lighthill J
Christophers Sir Richard	Heisenberg W	Lindgre Waldemar
Cockcroft Sir John	Henbury-Brown Robert	Lord Lewis NJ
Cohen Morris	Herzberg G	
Compton AH	Heslop-Harrisson J	Maass Hans
Cotton FA	*Hewish Antony	Maier-Leibnitz Heinz
Crick FHC	Hill AV	Makino S

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\*Deceased during the year 2021

Marchuk GI	Pungor Erno	Sultanbawa MUS
Mark HF		Szentagothai JM
Marshall Sir Guy	Ratcliffe JS	Szent-Gyorgy Albert
Massevitch AG	Reichstein T	
Millikan RA	Richard R Ernst	Tani I
Mitchell JS	Riley Ralph	Tischler Georg
Monod JL	Robinson R	Tiselius AWK
Mössbauer RL	Roche Marcel	Titchmarsh EC
Mott Nevil	Rossmann MG	Todd AR
Mulier HG	Rouxel J	Tomonaga Sin-Itiro
Neergaard PPFM	Rustom Roy	Townes CH
Nesmeyanov AN	Runcorn SK	Turner WES
Niggli P	Russell Sir John	
	Rutherford Lord O'Nelson	Urey Harold C
Odhiambo TR		
Ochoa Severo	*Saburo N	Vago Constantin
Olah GA	Salam A	Vinogradov AP
Oliva Ota	Sanger F	
Ourisson Guy	Schell JS	Waksman SA
OVchinnikov YA	Schrodinger E	Weil A
	Selberg Atle	Wenyon CM
Parr RG	Selye Hans	Weyl H
Pauling LC	Seward Sir Albert C	Wied DD
Perrin J	Shapley H	Woodward RD
Ponnamperuma Cyril	Sherrington S Charles	Whitteridge DM
Pontecorvo Guido P	Schockley WB	
Porter George Lord	Schwartz L	Yukawa H
Prigogine Ilya	Siddiqui S	
Prosser CL	Siegbahn M	Zamaraev KI
Pullman B	Steward FC	Zewail AH

