

The Year Book 2023

Volume I



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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 – 2023

Date	Event	Venue
FEBRUARY		
2 (Thu)	Meetings of Sectional Committees for Election of Fellows	INSA, New Delhi
28 (Tue)	National Science Day	INSA, New Delhi
MARCH		
24 (Fri)	Advisory Committee for Science & Society/ Infrastructure and Informatics Committee/ Publication Advisory Board	INSA, New Delhi
28-29 (Tue-Wed)	Meeting of the Indian National Commission for History of Science	INSA, New Delhi
APRIL		
25 (Tue)	Meetings of Sectional Committees for Election of Fellows/Science Promotion Committee	INSA, New Delhi
MAY		
08-09 (Mon-Tue)	Council/ General Body Meeting	INSA, New Delhi
AUGUST		
24 (Thu)	Meetings of ISC National Committees/Inter-Academy Exchange Committee	INSA, New Delhi
SEPTEMBER		
4-5 (Mon-Tue)	History of Science Seminar/Meeting of the Indian National Commission for History of Science/ Science Promotion Committee/Resource Management Committee	INSA, New Delhi
06 (Wed)	Council/Annual General Body Meeting	INSA, New Delhi
DECEMBER		
To be decided	Seminar/Lectures, Meetings of Council/Anniversary General Meeting/Fellowship Induction Ceremony	Venue to be decided

Other Important Dates

Last date for nominations to:

JUNE

15 (Tue) INSA Senior Scientists Position (2023)

JULY

15 (Sat) INSA Fellowship/Foreign Fellowship

15 (Sat) Inter-Academy Exchange Programme

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Professor Ashutosh Sharma (*Kanpur*) (0512) 259-7026 (O), 99-353-97366 (M)

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(*Resource Management*)

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(*Science Promotion*)

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

Representatives of Cooperating Academies and Government of India

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2479-1112, 2448-0537 (R),
94-330-10233, 83-360-42420 (M)

The Indian Science Congress Association

Professor R Ramamurthi (*Tirupati*)

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Professor Anurag Sharma (*New Delhi*)

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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 Noshervanji 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
Professor Chandrima Shaha	2020-22

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 Lakhota	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 Lakhota	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
Professor Gaiti Hasan	2020-22
Professor Subrata Sinha	2020-22

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THE FELLOWSHIP

FELLOWS

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2023: ACHANTA, Venu Gopal (*b* 1972), PhD, Sp: Sub-wavelength materials for nanophotonics and information processing, Professor, *Department of Condensed Matter Physics and Materials Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400005, India; Director Bungalow, CSIR-NPL, Dr. K. S. Krishnan Marg, New Delhi 110012, India* [Tel 011-45609201; 98-694-54067 (M); Email achanta@tifr.res.in]; **SC: II.**



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, *CSIR-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, Trustee, Sustainable India Trust, 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.**





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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); Life Time Achievement Award 2022 by the Indian Academy Pediatrics, **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.**



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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.**



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2019: AGRAWAL, Anurag (b 1972), MBBS, Diplomate American Board (Internal Medicine, Pulmonary Disease, Critical Care), PhD, Sp: Medicine, Respiratory Disease Biology, Molecular Physiology; *Dean, Biosciences and Health Research, Trivedi School of Biosciences, Ashoka University, Sonapat 131029*; 12-B, Sriram Road, Civil Lines, Delhi 110054 [Tel (011) 2766-2075 (O), 98-184-51946 (M); Fax 2766-7471; Email draagrawal@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 63-871-13347 (M); Email balkagl@rediffmail.com, 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; JC Bose Fellow; Professor, *Department of Botany, Dean, Faculty of Science, Banaras Hindu University, Varanasi 221005*; B-97, Brij Enclave Colony, Sunderpur, Varanasi 221005 [Tel 94-156-28573 (M); Email 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; 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, 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 jchaluwalia@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, *Department of Biochemistry, School of Chemical and Life Sciences, Jamia Hamdard, Hamdard 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; faizanahmad@jamiahamdard.ac.in; Web 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, Chairman, Governing Body, *Wadia Institute of Himalayan Geology, Dehradun 248001*, [Tel 9760684882, 6006274411 (M); 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 Scientist, 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, Precision Medicine; FASc, FNASc, MIABS, JC Bose National Fellow, Distinguished Professor, VC Office, Era University, Lucknow 226003; Formerly, Distinguished Professor and Head, Department of Biosciences, Dean Academics and Dean R&D, Integral University, Lucknow 226026 ; Distinguished Professor, *School of Basic Science and Research (SBSR), Department of Life Sciences, Sharda University, KP-III, Greater Noida 201310*; 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 0556600777 Ext 556 (O); (0120) 4152525 (R) 98-180-04632 (M); Email profsali55@gmail.com; Sherali@erauniversity.in]; **Council:** Mem 2013-15 **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:** J.L. 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, Ganeshkhind, 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) Professor SK Joshi Memorial (2021); 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, Universty 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.**



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, FNASc, Ex-Director-In-Charge & Scientist G, National Institute of Virology, Sus Road, Pashan, Pune 411021; Ex-Agharkar Chair, Agharkar Research Institute, Pune; Ex-Senior Scientist, IRSHA, Pune; *3C-A2-24, New Ajanta Avenue, Paud Road, Kothrud, Pune 411038* [Tel 93-710-16417 (M); 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 Bridgeview Apartments, 3, Central Avenue, Kodambakkam, Chennai 600024* [Tel (044) 2472-4198 (R), 89-391-39327 (M); Email vairunachalam@hotmail.com]; **SC: X.**



1984: ARUNACHALAM, Vallampadugai Srinivasaraghavan (b 1935), PhD (Wales), DEngg (*bc*), DSc (*bc*), DLitt (*bc*), Sp: Energy Systems and Development, Science, Technology & Public Policy, Materials Science & Engineering, Defence Technologies; FNASc, FNAE, FREng (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.**



2023: ASHRAF, Mohammad Zahid (b 1973), PhD, Sp: Genomics, Biomedical Sciences, Translational Biology, High Altitude Biology, FNASc, FASc, Professor & Head, *Department of Biotechnology, Faculty of Natural Sciences, Jamia Millia Islamia University, Delhi 110025*; 72 Mall Apartments, Mall Road, Delhi 110054 [Tel (011) 23815024 (R); (011) 26988335; ext. 3426 (O); 98-714-26706 (M); Email zashraf@jmi.ac.in]; **SC: IX.**



2022: ATHREYA, Siva Ramachandran (b 1971), PhD, Sp: Mathematical Sciences; FASc, Professor, *Indian Statistical Institute, Bangalore Centre, 8th 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, Chetan Vihar, 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]; **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]; **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, 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 djbagyaraj@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]; **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, Ist 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; 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, 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, 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]; **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, pbalararam1949@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, dbala1939@gmail.com; Web 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]; **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]; **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]; 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]; **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, 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, 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.**



2023: BANDYOPADHYAY, Arun (*b* 1963), PhD, Sp: Cell Biology and Physiology, FNAsc, Director, CSIR-Indian Institute of Chemical Biology, 4, Raja S C Mullick Road, Jadavpur, Kolkata 700032; Flat No. 13 A, Block D, Ideal Aquaview, Sector V, Salt Lake, Kolkata, West Bengal 700102 [Tel 94-335-16720 (M); Email arunb@iicb.res.in]; **SC:VII.**





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; Web <http://www.isical.ac.in/~sanghami>]; **Medal:** INSA Young Scientist (2000); **Council:** Member 2023-; **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_banerjia@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, Chattr 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), 1995: BANERJEE, Dipankar (b 1952), B'Tech, PhD, Sp: Physical Metallurgy; FASc, FNASc, FNAE, INSA Senior Scientist, *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 Shab 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/web/en/people/faculty/dps/soumitro/>]; **SC:** V.

2005: BANERJEE, Sunanda (b 1952), PhD, Sp: Experimental High Energy Physics; FASc, INSA Senior Scientist, School of Physical Science, Indian Association for the Cultivation of Science, 2A & 2B, Raja SC Mullick Road, Kolkata 700032 [Tel 84-202-00288 (M), 2555-8173 (R); Email banerjee.sunanda@gmail.com]; **SC: II.**



2023: BANGA, Surinder Singh (b 1955), PhD, Sp: Plant Breeding and Genetics, FNAAS, FISOR, DAE Raja Ramanna Fellow and Professor (Honorary, Adjunct), Department of Plant Breeding and Genetics, Ferozpur road, Ludhiana, Punjab, India; 178, Kohat Enclave, Pitampura, Delhi 110034; 439-G, BhaiRandhir Singh Nagar, Ludhiana, Punjab 141012 [Tel 94-633-19390 (M); Email nppbg@pau.edu]; **SC: X.**



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 Sansanval 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/]; **Medal:** INSA Young Scientist (1980); **Lecture:** J.L. 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), INSA Senior Scientist, Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata, Mohanpur 741246; [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: BASAVIAH, 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 basavaiahchem@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, 6th Street, 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]; **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; 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]; Council: Mem 2023-; **SC: IX.**



2022: BASU, Bikramjit (*b* 1973), PhD, Sp: Biomaterials, Biomedical Engineering and Engineering Ceramics; FNASc, FNAE, FASc, FAMS Professor, Materials Research Center, Indian Institute of Science, C V Raman Road, Bengaluru, Karnataka 560012; No. HE-213, 1st 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]; **Medal:** INSA Young Scientist (2005); **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]; **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, *ICMR-National Institute of Pathology, New Delhi 110029* [Tel 98-714-99411 (M); Email 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]; **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, JC Bose National Fellow, Academician, International Academy of Astronautics, 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 Senior 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, bvrajaramabhat@gmail.com]; **Medal:** INSA Young Scientist (1997); **Lecture:** Professor Vishnu Vasudeva Narlikar Memorial (2021); **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), INSA Honorary Scientist *Department of Physics, Indian Institute of Science, Bengaluru 560012*; # 132, 8th Cross, 3rd 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.**

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, Vijanapura Apartments, IISc Campus, RMV 2nd 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, 3rd 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; Adjunct Professor, Department of Earth Science and Remote Sensing, JIS University, Kolkata 700019; former Professor & Visiting Professor, *Department of Geology and Geophysics, Indian Institute of Technology, Kharagpur 721302*; Alexander von Humboldt Fellow; 180B, Hijli Cooperative Society, Kharagpur 721306 [Tel 94-347-43228 (M); Email abbhat55@gmail.com]; **SC: IV.**



2000: BHATTACHARYA, Alok (*b* 1951), PhD, Sp: Molecular Parasitology, Genomics, Bioinformatics; Rare Diseases; 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, alok.bhattacharya@gmail.com]; **Medal:** Aryabhata (2015); **Council:** Mem 2005-07, VP 2011-13; **SC: VIII.**



1990: BHATTACHARYA, Samir (*b* 1942), PhD, Sp: Comparative Endocrinology and Molecular Signaling; FASc, FNASc, Former Professor; Dept. of Zoology, Visva-Bharti (A Central University), Santiniketan 731235; formerly Director, IICB (A CSIR Institute), Kolkata; Presently Adjunct Professor, Burdwan University, W Bengal, Home address: Prantik Paschinpara, Prantik, Santiniketan 731235; [Tel 92-325-67066 (M); Email 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]; **Lecture:** Dr Nitya Anand Endowment (2007); **Council:** Mem 2021-; **SC: III.**



2014: BHATTACHARYA, Sudha (*b* 1952), PhD, Sp: Molecular Biology, Rare genetic diseases; FASc, FNASc, INSA Senior Scientist, Ashoka University, Sonipat, Haryana 131029; formerly JC Bose National Fellow and Professor, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi 110067; 1123, Sector B-1, Vasant Kunj, New Delhi 110070 [Tel 98-184-76740 (M); Email sudha.bhattacharya@ashoka.edu.in, 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]; **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]; **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, 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, 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.**



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, FNASc, JC Bose Fellow, 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; tirthankar.bhattacharyya@gmail.com]; **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]; **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, 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), 94-340-05882 (M); Email akbhowmick@uh.edu, anilkb@rtc.iitkgp.ernet.in, anilbhowmick@gmail.com; Web anilkbhowmick.in]; **Medal:** SH Zaheer (2020); **SC: V.**



2023: BHUJANGA Rao Vepakomma (*b* 1951), PhD (Mech Engg), PhD (Management), Sp: Defence R&D, Naval Systems, Structural Dynamics, Underwater Acoustics, Medical Implants, FNAE, Chairman, KIMS Foundation & Research Centre (DSIR Recognised), Former DG, DRDO, Former ISRO *Chair Professor, National Institute of Advanced Technologies, IISc Campus, Bangalore 560012; G-302, Lansum Etania, Nanakramguda, Hyderabad*; [Tel 88-009-90254 (M); Email vepcrew1@gmail.com]; **NC**



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]; **Visiting Fellowship:** JL 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; 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]; **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]; **SC: VI**.



1997: BORKAR, Vivek Shripad (*b* 1954), MS (Case Western), PhD (Calif), Sp: Analysis and Control of Stochastic Systems; FASc, FNASc, FNAE, Emeritus Fellow and former Professor, *Department of Electrical Engineering, Indian Institute of Technology, Mumbai 400076* [Tel 99-690-66626 (M); Fax 2572-3707; Email 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); Email bosearu@gmail.com, abose@isical.ac.in; Web <http://www.isical.ac.in/~abose>]; **Medal:** PC Mahalanobis (2020); **Council:** Member 2023-; **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, *B-101, Karle Zenith Residence, 100ft Kempapura Road, Nagavara, Bengaluru 560045* [Tel 98-104-43272 (M); Email skb@igib.in, 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 Development 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, 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 & Director DOD Center of Excellence, *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) and Adjunct Professor, Department of Physics & Astronomy, Johns Hopkins University, Baltimore, MD 21218, Ph. 410-516-7347; Email ramesh.budhani@morgan.edu, rbudhani1@jh.edu, rbudhani@umd.edu, rcb@iitk.ac.in]; **SC: II.**



2004: BUJURKE, Nagendrappa 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]; 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, bbuti@butifoundation.org]; **Medal:** INSA-Vainu Bappu Memorial (1994); **Lecture:** J.L. 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]; **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, Juhu, Mumbai 400049* [Tel (022) 2620-2596 (R), 98-214-41121 (M); Email chadhams@gmail.com]; INSA Senior Scientist (1991-94); **SC: III.**



2003: CHAKRABARTI, Bikas Kanta (*b* 1952), PhD, Sp: Statistical and Condensed Matter Physics; FASc, Emeritus Professor, *Saha Institute of Nuclear Physics, Kolkata 700064*; Visiting Professor of Economics (since 2007), Indian Statistical Institute, Kolkata 700108; Amader Kutir, P. No. 33, Street No. 510, Action Area IIB, Newtown, Kolkata 700161; [Tel 93-395-11916 (M); Email bikask.chakrabarti@saha.ac.in, bikask.chakrabarti@gmail.com]; **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, 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, DAE Raja Ramanna Fellow, *Department of Biochemistry, Bose Institute, P-1/12 CIT Scheme VII 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, 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, Baguihati, Kolkata 700059* [Tel 98-315-04066 (M); Email 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]; **SC: V.**



2016: CHAKRABORTI, Asit Kumar (*b* 1954), PhD, Sp: Organic Chemistry, Medicinal Chemistry, Green Chemistry; FASc, FRSC, LFICS; Emeritus Fellow and DAE Raja Ramanna Fellow, School of Chemical Sciences, Indian Association for the Cultivation of Science (IACS), Jadavpur, Kolkata, West Bengal 700 032; 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 Row, Kolkata 700084* [Tel (033) 2473 4971 (Ext 1406), (O); 94-177-70515 (M); Email ocakc@iacs.res.in, akchakraborti@niper.ac.in, asitkumarchakraborti@gmail.com]; **Lecture:** Dr Nitya Anand Endowment (2021); **SC: III.**



2011: CHAKRABORTI, Pradip Kumar (*b* 1956), PhD, Sp: Molecular Biology & Biochemistry, Molecular Microbiology; FASc, FNASc, INSA Senior Scientist, *Department of Biotechnology, Panjab University, Chandigarh 160014*; former Chief Scientist, CSIR-Institute of Microbial Technology, Chandigarh and former Professor and Head, Department of Biotechnology, Jamia Hamdard, New Delhi; House No. 1005, Sector 39B, Chandigarh 160036 [Tel (0172) 253-4085 (O), (0172) 500-3975 (R), 98-158-63975 (M); Email pradipkchakraborti@gmail.com]; **Medal:** Professor BS Trivedi Memorial (2020); **SC: IX.**





2016: CHAKRABORTY, Niranjan (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, 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, 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]; **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 supriyachakraborty@yahoo.com, schakraborty@mail.jnu.ac.in]; **SC: VII.**



2007: CHAKRABORTY, Tushar Kanti (b 1957), PhD, Sp: Organic Synthesis, Peptides, Peptidomimetics; FASc, FNASc, Honorary 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, tusharkantichakraborty@gmail.com]; **Medal:** Golden Jubilee Commemoration (Chemical Sciences) (2022); **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, 4th 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 3rd Floor, Genomic Research on Complex diseases (GRC-Group), CSIR-Centre for Cellular and Molecular Biology (CSIR-CCMB), Habsiguda, Uppal Road, Hyderabad 500007; Flat No. D306, Indu Aranya Pallavi 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, 3rd Main Road, Mahalakshmi Layout, Bengaluru 560086 [Tel (080) 2293-2892 (O), 98-457-83140 (M); Fax 2360-0814; Email 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, 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, 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 Senior Scientist, *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; 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]; **SC: III.**



2015: CHANDRASEKHAR, Srivari (b 1964), PhD, Sp: Organic Chemistry (Chemical Sciences); FASc, FNASc, *Secretary, Department of Science and Technology, Technology Bhavan, New Mehrauli Road, New Delhi 110 016*; Director Bungalow, CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad 500007 [Tel (040) 2719-3210 (O), 98-480-35908 (M); Fax 2716-0512; Email srivari@iict.res.in, dstsec@nic.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, Distinguished Professor and 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]; **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, Khurda 752050, Odisha* [Tel 98-188-44936 (M); Email tkc@niser.ac.in]; **Medal:** Professor Mihir Chowdhury Memorial (2022); **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.**



2008: CHATTARAJ, 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, FTWAS, 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@cfd.org.in, xoohyd@gmail.com]; **SC: VII.**



1997: CHATTERJI, Dipankar (*b* 1951), PhD, DSc (*hc*), Sp: Biophysical Chemistry, Molecular Biology & Nanobiology; FASc, FNASc, FTWAS, JC Bose National Fellow, Emeritus Professor, *Molecular Biophysics Unit, Indian Institute of Science, Bengaluru 560012*; JNCASR, Bengaluru [Tel (080) 2360-0137, 2293-2836 (O), 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 Bhatnagar 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.htm>]; **Medal:** Professor GN Ramachandran 60th Birthday Commemoration (2015); **Lecture:** BC Guha Memorial (2008); **Council:** Mem 2020-22; **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, 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, Devanagar 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 (b 1960), 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, sudip.chattopadhyay@bt.nitdgp.ac.in; Web 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]; INSA Senior Scientist (1995-99), INSA Honorary Scientist (2001-04) (2006-15); **SC: III.**



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; Web http://www.cebc.ku.edu]; **SC: V.**



2007: CHAUDHURI, Bidyut Baran (*b* 1950), PhD, Sp: Computer Science and Engineering; FNAsc, FNAE, FIEEE, 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 bidyutbaranchoudhuri@gmail.com, bbcsical@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, Gawahati 781006* [Telefax (0361) 223-7241, 99-544-49454 (M); Email 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]; **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]; **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]; **SC: X.**





1999: CHAUHAN, Virander Singh (b 1950) DPhil, Sp: Peptides as Self Organizing System and Drug Delivery Platforms, Malaria Immunology, Subunit Vaccine and Malaria Drug Development; FASc, FNASc, Ex-Chairman of University Grants Commission (UGC) and Executive Chairman of NAAC, Chancellor of GITAM University, Distinguished Visiting Professor, Institution of Eminence University of Delhi, Padma Shri (2012); *International Centre for Genetic Engineering & Biotechnology, Aruna Asaf Ali Marg, New Delhi 110067*; B-23, Geetanjali Enclave, New Delhi 110017 [Tel 98-112-92058 (M); Email viranderschauhan@gmail.com; Web <http://www.icgeb.org>]; **Lecture:** JL 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, chawlasarkar.m@icmr.gov.in]; **SC:** IX.



2019: CHENGALUR, Jayaram Narayanan (b 1965), PhD, Sp: Astronomy; FASc, FNASc, Distinguished Professor, *NCRAT-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]; **SC:** II.



2014: CHHABRA, Rajendra Prasad (b 1953), PhD, Sp: Chemical Engineering; FASc, FNASc, FNAE, JC Bose National Fellow, Professor, *Department of Chemical Engineering, Shiv Nadar University- Institute of Eminence, NH-91, Tehsil Dadri, Distt. G B Nagar, UP 201314*; 755, Campus Housing, Shiv Nadar University (Institute of Eminence), NH-91, Dadri, Distt G B Nagar, UP 201314 [98-397-41317 (M); Email chhabra@iitk.ac.in]; **SC:** V.



1978: CHIDAMBARAM, Rajagopala (b 1936), PhD, DSc (IISc), DSc (bc), Sp: Materials Science and Crystallography, High Pressure Physics and Nuclear Technology; FASc, FNASc, FNAE, FTWAS, Chairman (Honorary), School for Advanced Studies in Nuclear Science and Technology, *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; *"VASANTASHLA" (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]; **Medal:** INSA-Vainu Bappu Memorial (2022); **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@phycis.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 2020-22; **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:** J.L. 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@sfrtd.org, sfrtd@gmail.com; Web www.profpremanandadas.in, www.sfrtd.org]; **SC: X.**





2023: DAS, Samar Kumar (b 1963), PhD, Sp: Inorganic Chemistry, FASc, FNASc, Professor, *School of Chemistry, University of Hyderabad, Hyderabad, Telangana 500046*; Village – Madla; P.O. – Dhabani (via – Beliatore), Dist.- Bankura, West Bengal 722203 [Tel (0091) 040-2313-4853 (O); 99-594-25259 (M); Email skdas@uohyd.ac.in]; **SC: III.**



2009: DAS, Sampa (b 1951), PhD, Sp: Plant Molecular Biology, Plant Biotechnology; Ex-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), 4039-1050 (R), 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, Vashi, 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, SERB Distinguished Fellow, *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, Senior 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 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, *Geological Studies Unit, Indian Statistical Institute, 203 BT Road, Kolkata 700108*; [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.**



2023: DASIKA, Nagesh Kumar (*b* 1963), PhD, Sp: Civil Engineering; FASc, FNASc, Professor, *Department of Civil Engineering Indian Institute of Science Bangalore 560 012, India* [Tel (080) 2293-2666 (O); 2360 0404; nagesh@iisc.ac.in]; **SC: IV.**



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, asis_datta@rediffmail.com, 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, datta_k@hotmail.com; Web www.jnu.ac.in/faculty/kdata]; **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; Udit-02-0302, 1050/1 Survey Park, Kolkata 700075 [Tel 87-686-44777 (M); Email 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 jsmunshi@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 Honorary 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; “*Shantineer*”, *Rabindrapally, Bolpur M. Birbhum, Santiniketan 731235*; [Tel 94-330-13858, 98-318-42858 (M); Email 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, formerly 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 98-307-99629 (M); Email 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, USA*; 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]; **Lecture:** Sir JC Bose Memorial (2016); **SC: V.**



2002: DEB, Mihir (*b* 1945), PhD, Sp: Ore Geology and Geochemistry, Precambrian Geology, Mining Environment & Sustainable Development; formerly Professor and Head, 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 (R), 98-103-33889 (M); Email mihirdeb@gmail.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 Maredpally, Secunderabad 500026, Telangana* [Tel (040) 2773-2423 (R), 99-084-99081 (M); Email 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, 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 and Image Processing, Artificial Intelligence; Professor Emeritus, *Indian Institute of Technology Hyderabad, Kandi, Sangareddy 502284, Telangana* [Tel 79-890-72405 (M); Email ubdesai@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]; **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; Web 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 Nebru 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, Ludbiana 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, Lottegollahalli, 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, PUSHHPAC Complex, Sector 49B, Chandigarh 160047* [Tel (0172) 267-8524 (O), 99-150-07784 (M); Email kanakdikshit@pu.ac.in, kanakdixit@gmail.com]; **SC: VIII.**



2013: DIKSHIT, Madhu (b 1957), PhD, Sp: Molecular Pharmacology; FASc, FNASc, FAMS, JC Bose National Fellow, 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 94-151-11766, 63-937-82190 (M); Email madhudikshit@yahoo.com]; **Medal:** INSA Young Scientist (1989); Professor KP Bhargava Memorial (1999); **Lecture:** Professor Darshan Ranganathan Memorial (2013), DS Kothari Memorial (2020); **Council:** Mem 2017-19; VP 2023-; **SC: VIII.**



2005: DILEEP KUMAR, 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]; **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; 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, Janakipuram 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, a_dube@cdri.res.in, 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, durgarao.c@srmmap.edu.in, 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]; **SC: V.**



1983: DUTTA ROY, Suhash Chandra (*b* 1937), DPhil, Sp: Circuits, Systems & Signal Processing; FASc, FNASc, FNAE, INSA Emeritus Scientist; *4, New Campus, IIT Delhi, New Delhi 110016* [Tel 98-714-70136 (M); Email 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, kalpathy.eswaran@gmail.com]; INSA Honorary Scientist (2010-15); **SC: VIII.**



2022: EHTESHAM, Nasreen Zafar (*b* 1959), PhD, Sp: Biomedical Sciences; FNASc, ICMR-Emeritus Scientist, *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]; **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 and DST Year of Science Chair Professor, *Centre for Ecological Sciences, Indian Institute of Science, Bengaluru 560012*; Founder President, Indian Society of Evolutionary Biologists (ISEB); Former Chairman, Centre for Contemporary Studies, IISc, Bengaluru; Honorary Professor, IISER-Mohali; 3082, Cornwall, Prestige Kensington Gardens, 17, HMT Main Road, Jalahalli, Bengaluru 560013 [Tel (080) 2293-2340 (O), 4302 2022 (R); Fax 2360-1428; Email: ragh@iisc.ac.in; Web <http://ces.iisc.ac.in/hpg/ragh>, 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]; **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]; **Medal:** KR Ramanathan (2017); **SC: IV.**



2023: GADIYARA CHAKRAPANI, Anupama (b 1961), PhD, Sp: Astronomy & Astrophysics, FNASc, FASc, Visiting Professor, Former Dean and Senior Professor (retired), *Indian Institute of Astrophysics, II Block Koramangala, Bengaluru 560034*; A802 Vaishnavi Splendour, 6th Cross 80ft Road, RMV II Stage, Bengaluru 560094 [Tel +91-98-450-44770 (M); Email gca@iiap.res.in/anupamagadiyara@gmail.com]; **SC: II.**



1996: GADRE, Shridhar Ramchandra (b 1950), PhD, Sp: Theoretical and Computational Chemistry; FASc, Honorary and INSA Senior Scientist, *Departments of Chemistry and Scientific Computing, Modelling and Simulation, Savitribai Phule Pune University, Pune 411007* [Tel (020) 2998-5564 (R), 99-606-24664 (M); Email gadre@iitk.ac.in, 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.**



2023: GANESAN, Venkatasubramanian (b 1975), MD, PhD, Sp: Psychiatry, Neuroscience, Schizophrenia, Neuromodulation, FNASc, FAMS, Professor of Psychiatry, *Department of Psychiatry, National Institute of Mental Health and Neurosciences, Hosur Road, Bengaluru 560029, Karnataka*; No. 41, Type 5 Quarters, Block 3, BRC Campus Quarters, National Institute of Mental Health and Neurosciences, Hosur Road, Bengaluru 560029, Karnataka [Tel (080) 2699-5256 (O); 94-488-03344 (M); Email venkat.nimhans@gmail.com]; **Medal:** INSA Young Scientist (2009) **SC: IX.**

2000: GANESH, Krishnarajanagar Nagappa (b 1953), PhD, Sp: Plant Reproductive Ecology, Conservation Biology, Insect Behaviour & Crop Breeding; 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.**



2023: GANESH, Subramaniam (b 1968), PhD, Sp: Neurobiology of Disorders, Human Molecular Genetics, Deputy Director, P K Kelkar Endowed Chair Professor, JC Bose National Fellow, Professor of Biology, *Department of Biological Sciences and Bioengineering, Indian Institute of Technology, Kanpur 208016, India*; House No. 510, Type 5, IIT Kanpur, Kanpur 208016 [Tel 0512-259-4040 (O); 94-530-41967 (M); Email sganesh@iitk.ac.in]; **SC: IX.**



1997: GANESHIAH, Kotiganahally Narayana Gowda (b 1953), PhD, Sp: Plant Reproductive Ecology, Conservation Biology, Insect Behaviour & Crop Breeding; Novelist and Story writer and Columnist in Kannada; FASc, FNAAS, FCSA, INSA Senior Scientist, *Department of Plant Genetics and Breeding, Retired Dean (Post Graduate Studies), University of Agricultural Sciences, GKVK Campus, Bengaluru 560065*; 7, PUNGAVEE, Santosh Vihar, Phase I, Jakkur Road, Bengaluru 560092 [Tel 93-421-60639 (M); Email knganeshiah@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 (PDU), Gandhinagar, Gujarat 382007; formerly Distinguished Scientist, Chairman and Chief Executive, Nuclear Fuel Complex, 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 (hc), Sp: Microbiology, Immunology, Biotechnology, Infectious Diseases, Public Health and Policy; FASc, FNASc, FTWAS (Italy), FAMS, FRCPATH(London), FRCTrop (London), FIACS (Canada), FIMSA, Fellow, Imperial College, London (Health Sciences), Former Visiting Professor of Eminence, Translational Health Science & Technology Institute; Department of Biotechnology, Former Honorary Senior Research Professor, ILBS, New Delhi; Professor, The Ganga Ram Institute for Postgraduate Medical Education & Research (GRIPMER), Sir Ganga Ram Hospital, New Delhi; President Gut Microbiota and Probiotic Science Foundation; Chair Immunology Foundation; formerly DG-ICMR; former General President, Indian Science Congress Association; Emeritus Prof. PGI Chandigarh and SRM University Sonapat, Former President National Academy of Medical Sciences, New Delhi, Former Director PGI Chandigarh, formerly President, JIPMER, Puducherry & Asian Institute of Public Health, Bhubaneswar, Odisha; formerly Director-in-Charge, *National Institute of Biologicals, New Delhi*; Res. Address: #701, Gayatri Apartments, GH-6, Sector 45, Faridabad 121003; Email ganguly1nk@gmail.com; **Lecture:** Professor SN De Memorial (1993), Dr Y Subba Row Memorial (1999); Shanti Swarup Bhatnagar Medal (2007): Awarded: by CSIR, Government of India; **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@ni.ac.in, lalitgarg@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 (hc), 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@iiap.res.in]; **Medal:** DN Wadia (2007); **Lecture:** Dr GP Chatterjee Memorial (1991); **Council:** Mem 1985-87, 1994-96; **SC: I**



2006: GAVAI, Rajiv Vasantryao (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, Bhauri, 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 eghate@math.tifr.res.in]; **SC: I.**



2023: GHORPADE, Sudhir Ramkant (*b* 1963), PhD, Sp: Algebraic Geometry, Coding Theory, Combinatorics and Commutative Algebra, FNASc, Professor, *Department of Mathematics, Indian Institute of Technology Bombay, Powai, Mumbai 400076*; Apt. B-270, Bldg. B-24, Nilgiri, IIT Campus, Powai, Mumbai 400076 [Tel (022) 2576-7470 (O); 98-927-68162 (M); Fax 2572-3480; Email srg@math.iitb.ac.in]; **SC: I.**



2004: GHOSH, Amit (*b* 1944), PhD, DSc (*hc*), 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 (*hc*), Sp: Mechanical Engineering; FASc, FNASc, FNAE, INSA Emeritus Scientist, formerly Professor, IIT Kanpur; Director, IIT Kharagpur; Honorary Scientist, *The National Academy of Sciences, India, Allahabad*; Distinguished Visiting Professor, IIT Kharagpur, 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 (*b* 1969), 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, Formerly, 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 bghosh14@gmail.com]; **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; Basundhara Nivas Flat No-4A P-27 Motijheel Avenue, Kolkata 700074* [Tel 93-309-14618, 94-338-35185 (M); Email 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 hghosh@inst.ac.in, hghosh2004@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, 2448-0537 (R), 94-330-10233, 83-360-42420 (M); Email kghoshcu@gmail.com]; INSA Senior Scientist (2012-16), **Council:** Mem 2013-15, Ad Mem 2017-23; **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, icpg.iacs@gmail.com]; **SC: III.**

2012: GHOSH, Subrata (*b* 1950), PhD, Sp: Synthetic Organic Chemistry; FASc, INSA Honorary Scientist, *School of Chemical Sciences*, Formerly Dean (Administration) and JC Bose National Fellow, *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, ocsg@yahoo.co.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 swapan.ghosh@gmail.com, 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, NASI Senior Scientist, 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, 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]; **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 BE/SCOM office, ISRO Layout, Bengaluru 560111* [Tel 73-826-18774, 99-100-49388 (M); Email 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 rsg@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", VPXI/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.**



2023: GOSWAMI, Debashish (b 1972), PhD, Sp: Mathematics, FASc, Professor (Higher Academic Grade), *Stat-Math Unit, Indian Statistical Unit, 203 B. T. Road, Kolkata 700108*; Flat 4E, Doll's Dream Apt, 164 A, N.S.C. Bose Road, Kolkata 700040, West Bengal [Tel (033) 2575-3400; (91) 98-3648-9980 (M); Email goswamid@isical.ac.in]; **Medal:** INSA Young Scientist (2004); **SC: I.**



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, Navrangpura, 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; 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, icsgiacs@gmail.com]; **SC: III.**



2018: GOSWAMI, Srubabati (b 1966), PhD, Sp: High Energy Physics; FASc, FNASc, Professor, *Theoretical Physics Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380009*; E3 PRL Quarters, Vikramnagar, Bopal Road, Ahmedabad 380058 [Tel (079) 2631-4471 (O); Fax 2631-7900; Email sruba@prl.res.in, sruba.goswami@gmail.com]; **Council:** Member 2023-; **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, 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, 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, Mananli 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@iiser Mohali.ac.in, 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.**



2023: GROMIHA, Maria Siluvay Michael (*b* 1967), PhD, Sp: Bioinformatics, Computational Biology, Protein structure-function, Fellow of Science and Technology Agency, Japan, Professor, *Department of Biotechnology, Indian Institute of Technology Madras, Chennai 600036*; C2-4-2B, Neithal, Delhi Avenue, IIT Madras, Chennai 600036 [Tel (044) 2257-4138 (O); 87-544-99778 (M); Email gromiha@iitm.ac.in]; **SC: VIII.**



2007: GROVER, Anil (*b* 1958), PhD, Sp: Stress Biology of Plants; FASc, FNASc, FNAAS, Senior 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) 4309-0777 (R), 98-716-18167 (M); Email anil.grover@gmail.com, agrover@south.du.ac.in]; **Medal:** INSA Young Scientist (1990); **SC: VII.**



2023: GUHA, Debatosh (*b* 1963), PhD, Sp: Radio Physics and Electronics, FASc, FNASc, FNAE, IEEE Fellow, Professor, *Institute of Radio Physics and Electronics, University of Calcutta, 92, Acharya Prafulla Chandra Road, Kolkata 700009*; 23/17/2B, D. P. P. Road, Kolkata 700047 [Tel 89-102-69258; Email dguha@ieee.org]; **SC: V**



1991: GUPTA, Alok Krishna (*b* 1942), PhD (Pittsburgh), DSc (*hc*), Sp: Experimental Petrology; FASc, FNASc, Raja Ramanna Fellow (AEC), Visiting Professor, Purbanchal University; *E-203, Green Valley Apartments, Chiriamore, Kaikbali 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), Ph.D., Sp: Seismology, Geophysical Exploration, Ocean Sciences; FNASc, FTWAS, FAGU, IUGG: Honorary Fellow, Foreign Member: Russian Academy of Sciences; 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, the 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]; **SC: VIII.**



1992: GUPTA, Laxmi Chand (b 1938), PhD, Sp: Superconductivity and Magnetism in Quaternary Borocarbides and Intermetallics, Nuclear Magnetic/Quadrupole Resonance and μ -SR Studies, Valence Fluctuations and Heavy Fermions; FASc, FNASc, FTWAS, formerly Senior Professor (I), TIFR, Mumbai; Res. 62, *PALMS (Shubb Lakshmi), Plot 13 B, Sector 6, Dwarka, New Delhi 110075*; Email lcgupta@tifr.res.in, 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, 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]; **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, 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, Safdarjung Enclave, New Delhi 110029* [Tel (011) 2618-1175 (R), 97-110-09365 (M); Email 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.**



2023: GUPTA, Yashwant (b 1962), PhD, Sp: Astrophysics, FNAE, FNASc, FASc, Distinguished Professor & Centre Director, *National Centre for Radio Astrophysics, Pune University Campus, Pune 411007*, “Surya”, Director’s Bungalow, NCRA Colony, Pune University Campus, Pune [Tel +91-20-25719242; +91-9881061930 (M); Email ygupta@ncra.tifr.res.in]; **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]; **Medal:** INSA Young Scientist (1996); **Award:** Professor LSS Kumar Memorial (1996); **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, 2nd 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]; **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, 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]; **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]; **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]; **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; Web http://www.ncbs.res.in/gaiti/groups_gaiti.htm]; **Lecture**: Professor Darshan Ranganathan Memorial (2019); **Council**: VP 2020-22; **SC**: VII.

1999: HASNAIN, Seyed Ehtesham (b 1954) PhD, DSc (*hc*), DMedSc (*hc*), 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 sehiiitd@gmail.com, seh@dbeb.iitd.ac.in, 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 hosurm@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, 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, AdilNagar, Kalyanpur, Lucknow 226022* [Tel (0522) 275-2479 (R)]; **SC: X.**



2002: ILA, Hiriyakkanavar (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]; **SC: III.**



2018: INAMDAR, Maneesha Shreedhar (b 1967), PhD, Sp: Stem Cell Biology, Cardiovascular Development, Hematopoiesis, Angiogenesis; FASc, Director, *Institute for Stem Cell Science and Regenerative Medicine (DBT-inStem), GKVK Campus, Bellary Road, Bangalore 560065*; on deputation from Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur PO, Bengaluru 560064 [Tel (080) 61948200 (O); (080) 61948204 (O); Email inamdar@instem.res.in; 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, 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 (20015-22), *Distinguished Visiting Professor, Koita Centre for Digital Health, IIT, Mumbai 400076*; Adjunct Professor, *Department of Electrical Engineering, IIT Madras, Chennai 600036* and Visiting Professor, *Department of Radiology, Sri Ramachandra Institute of Higher Education and Research, Porur, Chennai 600116*; A-49, Flat S-2, SBI Colony Main, Hindu Colony, 12th Cross Street, Nanganallur, Chennai 600061 [Tel 99-682-92772 (M); Email jagan1954@hotmail.com, nrjgj@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]; **Medal:** Professor K Naha Memorial (2022); INSA Senior Scientist (2011-15), INSA Honorary Scientist (2016-21); **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 342030*; formerly Director, *National Brain Research Centre, Manesar, Gurugram* [Tel (0291) 280-1216 (O), 98-104-46444 (M); Email neeraj.jain@iitj.ac.in, neerajjain4e4a@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, Fellow OCIS and Green Templeton College, University of Oxford, UK; Visiting Professor, Ashoka University, Rajiv Gandhi Education City, Sonapat, Haryana 131029; 26, Zakir Bagh, New Delhi 110025 [Tel +44 (01865) 618500 (O), (011) 2684-0631 (R); Email jameelshahid@gmail.com; Web <http://www.oxcis.ac.uk>]; **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, Honorary 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, <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]; **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, Vigyanbhila, Jubu-Versova Link Road, 7 Bunglows, Andheri (W), Mumbai 400061* [Tel (022) 2632-7413 (R), 98-924-98234 (M); Email ss_jhain@hotmail.com]; **Medal:** SN Bose (1992); **Lecture:** JL Nehru Birth Centenary (1991); **Council:** Mem 1999-2001; **SC: II**.



2023: JHALA, Yadvendradev Vikramsinh (b 1962), PhD, Sp: Wildlife Ecology, Behaviour, Conservation, Genetics, Population Ecology, Nutrition, Dean & Senior Professor, *Wildlife Institute of India, Chandrabani, Dehradun, Uttarakhand, India 248001*; Chandrabhuvan, Darbargarh 363030, Gujarat; [Tel 98-970-27262 (M); Email yvjhala@gmail.com]; **SC: VI**



2000: JHUNJHUNWALA, Ashok (b 1953), PhD, Sp: Decentralized Solar Power Systems, Electric Vehicles, Telecommunication, Wireless Communications, Computer Networks Institute Professor, Fibre Optics, Industry-Academia Interaction; FASc, FNASc, FNAE, FIEEE, *Indian Institute of Technology Madras, Chennai 600036* [Tel (044) 2257-0120, 6646-9815 (O); Email 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, Malleswaram, Bengaluru 560055 [Tel (080) 2293-3285, 2360-7703 (O); Fax 2360-2602; Email cjjog@iisc.ac.in; Web <http://www.physics.iisc.ac.in/~cjjog/>]; **Medal:** HJ Bhabha (2017); **Council:** Mem 2017-19; **SC: II.**



1997: JOHN, Thekkekara Jacob (*b* 1935), MBBS, DCH, PhD, DSc, Sp: Medicine: Paediatrics, Microbiology & Virology; FASc, FNASc, FIAP, FAMS, 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]; **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, Jubu-Versova Link Road, Andheri (W), Mumbai 400053* [Tel (022) 2670-3270 (R), 99-305-64129 (M); Email mjohri06915@yahoo.co.in]; **Lecture:** BN Chopra (1995); **Council:** Mem 2003-05; **SC: VII.**



2011: JOSEPH, Kayyunnappara 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, 2nd Cross, 4th Main Santhosh Nagar, Attur, Yelahanka, Bengaluru 560064 [Tel 72-591-50130 (M); Email ktj@tifrbng.res.in]; **SC: I.**



2011: JOSHI, Amitabh (*b* 1965), PhD, Sp: Evolutionary and Chair, Genetics and Population Ecology; FASc, FNASc, JC Bose National Fellow, Professor and Chair, *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]; **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, 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]; **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]; **Medal:** INSA-Vainu Bappu Memorial (2019); **SC: II.**



2023: JOSHI, Yogesh Moreshwar (*b* 1974), PhD, Sp: Chemical Engineering, Rheology, Soft Matter, FNASc, FNAE, Pandit Girish & Sushma Rani Pathak Chair Professor, *Department of Chemical Engineering, Indian Institute of Technology, Kanpur, Uttar Pradesh 208016; 4 Indrayani, Patrakar Nagar, Pune, Maharashtra 411016* [Tel (+91) 5126797993 (O); 97-930-76767 Email joshi@iitk.ac.in]; **Medal:** INSA Young Scientist (2006); **SC: V**



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]; **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 Co-ordinator, CAS, Department of Zoology, Banaras Hindu University, Varanasi 221005; *Keerikkattil, Vadavuvode 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, Hiriyakkanavar (*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), 97-645-36103 (M); Fax 2586-5142; Email kamra@tropmet.res.in]; INSA Emeritus Scientist (2014-19); **SC: IV.**



2016: KANG, Gagandeep (*b* 1962), MBBS, MD, PhD, FRCPath, Sp: Medicine, Microbiology, Vaccines, Enteric Infections, Public Health, Nutrition; FASc, FNASc, FAAM, FFPH, 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 dkiuac@gmail.com, 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, Rabeja Residency, Koramangala, 3rd Block, Bengaluru 560034* [Tel (080) 2550-5829 (R), 87-627-80061 (M); Email 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, 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, 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 and C-802 Aparna Sarovar, Nallagandla, Hyderabad 500046 [Tel (022) 2576-7301 (O), 99-691-64646 (M); Email tkant@civil.iitb.ac.in, tkant1946@gmail.com; Web <http://www.civil.iitb.ac.in/~tkant/>]; **Medal:** Professor Brahm Prakash Memorial (2019); **Council:** Mem 2020-22; **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]; 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]; **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, Pragytotishpur Apartments, Plot No-7, Sector 10, Dwarka, New Delhi 110075* [Tel (011) 2808-4181 (R), 98-110-42164 (M); Email premashishkar@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, 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, 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 Honorary 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]; **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]; **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 Woodsman Estate, Bellary Road, Hebbal, Bengaluru 560024* [Tel (080) 2361-0522 (O); Fax 2361-0492; Email 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]; **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, Centre for High Energy Physics (CHEP), *Indian Institute of Science, Bangalore 560012* [Tel 94-449-24065 (M); Email romeshkaul1952@gmail.com; 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.**



2023: KAUR, Rupinder (*b* 1971), PhD, Sp: Medical Mycology, Yeast Genetics and Molecular Biology, FNASc, FASc, Staff Scientist – VII, *Centre for DNA Fingerprinting and Diagnostics (CDFD), Inner Ring Road, Uppal, Hyderabad, Telangana 500039; House No. 35 (GF), MIG Flats, Madan Lal Dhingra Complex, Mall Mandi, Amritsar, Punjab, India 143001* [Tel 97-044-39996 (M); Email rkaur@cdfd.org.in]; **SC: VII.**





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 pckamalam38@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 Honorary 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]; **Medal:** Srinivasa Ramanujan (2022) **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 Honorary Scientist 2019-, *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 (bc), 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 pbkls@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 Punjab, Mohali 140306* [Tel (0172) 520-3501 (O), 98-722-01516(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 (*bc*), DSc (*bc*), DSc (*bc*), 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*; Apt 301- Deccan Habitat, 36/1, Pipeline Road, Yeshwantpur, Bengaluru 560022 [Tel (080) 2293-2688 (O), 2360-3531 (R), 94-484-89531 (M); Fax 2360-0999; Email paturu@iisc.ac.in]; **Medal:** Jagadis Chandra Bose (2022); **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, L&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]; **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]; **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, 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; 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]; 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, 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, Sanjayanagar, Bengaluru 560094 [Tel (080) 2293-3282, 2360-8658 (O), 2341-6627 (R); Fax 2360-2602, 2360-0683; Email hkrishna@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 mkrism@gmail.com, mkrism@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 60th Birthday Commemoration (2006); **SC: III.**



2020: KRISHNAN, Raghavan (b 1965), PhD, Sp: Atmospheric and Climate Science; FASc, Director, *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 Nehru 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 Se) (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, FNAE, President, *Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur P.O. Bengaluru 560064*; #54, Tulsii, 3rd phase, Royal Enclave, Srirampura, Jakkur, Bengaluru North 560064 [Tel (080) 2208-2752/2936 (O), 94-488-25386 (M); Email kulkarni@jncasr.ac.in, gukulk@gmail.com]; **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, Former JC Bose National Fellow; Flat 6, Megha Terrace, Near Wireless Colony, Aundh, Pune 411007 [Tel 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), Distributed Systems, and Cyber Physical Systems; FASc, FNAE, FIEEE, FTWAS, Honorary Professor, *Department of Electrical Communication Engg., Indian Institute of Science, Bengaluru 560012* [Tel (080) 2293-2281; Email anurag@iisc.ac.in; Web <http://iisc.ac.in/anurag/>]; **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; **Medal:** INSA Young Scientist (1995); **SC: V.**





2023: KUMAR, Sanjay (*b* 1963), PhD, Sp: Molecular Plant Physiology, FNASc, FNAAS, Director, *CSIR-Institute of Himalayan Bioresource Technology, Palampur 176061, HP*; Director Residence, CSIR-Institute of Himalayan Bioresource Technology, Palampur 176061 [Tel (0189) 4230411 (O); 98-166-21463 (M); Email sanjayplp1@gmail.com]; **Medal:** INSA Young Scientist (1995); **SC: X.**



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/~kcks/]; **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:** Professor Brahm Prakash Memorial (2022), INSA Young Scientist (1996); **SC: V.**



2023: KUNDU, Gopal Chandra (*b* 1959), PhD, Sp: Tumor Biology, Regulation of Gene Expression, Targeted Drug Delivery, Angiogenesis, Cancer Stem Cells, Chemical Biology and Nanotechnology, FNASc, FASc, Director R&D, KIIT Deemed to be University, *Campus No. 11, Patia, Bhubaneswar 751 024*; Twin Bungalow No. 29, Nandanvan Society, Pimple Nilakh, Pune 411 027, Maharashtra. [Tel (+91) 94-225-06548 (M); 86-985-78644 (M); Email gopal.c.kundu@kiit.ac.in; gopalkundu@hotmail.com]; **SC: VIII.**



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; & 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 Honorary Scientist, Department of Microbiology and Biotechnology, Sister Nivedita University, Block DG-1/2, Action Area 1, New Town, Kolkata-700156, 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) 2436-7219 (R), 94-330-27050 (M); Email alahirimajumder@yahoo.com, alahirimajumder@gmail.com, arunendra.nlm@snuniv.ac.in]; **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 Pannel, 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, slakhotia@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 (hc), Sp: Nonlinear Dynamics & Theoretical Physics; FASc, FNASc, FTWAS, Professor of Eminence & SERB National Science Chair, *Department of Nonlinear Dynamics, School of Physics, Bharathidasan University, Tiruchirappalli 620024*; 654, Periyar Salai, KK Nagar, Tiruchirappalli 620021 [Tel (0431) 240-7093, 240-7057 (O), 245-9386 (R); Fax 240-7093; Email lakshman@cndd.bdu.ac.in, lakshman.cndd@gmail.com; Web <http://www.physics.cndd.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; FTWAS, 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*; H.No.1-2-35/1, E7/8, Street No.3, Habsiguda, Hyderabad 500007 [Tel (022) 3361-2015 (O), 97-691-01554 (M); Fax (022) 3361-1020 (O); Email lk.mannepalli@ictmumbai.edu.in, lkmanepalli3@gmail.com]; **Lecture:** Professor Darshan Ranganathan Memorial (2016); **Council:** Mem 2020-22; **SC: III.**



1984: Lal, KRISHAN (b 1941), PhD, DSc (hc), 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*; Apartment No. B-064, Tower-B, 6th Floor, The Icon, DLF City Phase 5, Golf Course Road, Sikanderpur Ghosi (68), Gurugram 122002 [Tel (011) 4560-9104, (NPL O); C. V. Raman Chair Professor, K. R. Mangalam University, Gurugram 122103; Email cochairkr@gmail.com, krish41ster@gmail.com; chair.prof@krmangalam.edu.in]; **Lecture:** DS Kothari Memorial (1996); **Visiting Fellowship:** J.L. 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]; **Medal:** INSA Young Scientist (1998); **Council:** Ad Mem 2022; **SC: V.**



1987: LELE, Shrikant (*b* 1943), PhD, Sp: Physical Metallurgy & Materials Science, FASc, FNASc, FNAE, *Flat No. E12/310, Ivy Apartments, Ivy Estate, Wagholi, Pune 412207* [Tel 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, Adjunct Faculty, PHFI, IIPH, Hyderabad, Emeritus Scientist, INSA, Former AS Paintal Distinguished Scientist Chair of ICMR, *House No 618, Aurora Housing colony, Banjara Hills Road No. 3, Hyderabad 500034, Telengana*; [Tel 98-102-91801 (M), Email: rentala@outlook.com]; **Council:** Mem 2019-21; **SC: IX.**





2000: MADHUSUDANA, Nelamangala Vedavyasachar (b 1944), PhD, Sp: Liquid Crystals; FASc, Retired 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 (080) 2333-3407 (R), 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 Technology Hyderabad 502285*; A-505, Indian Institute of Technology, Hyderabad 502285 [Tel 93-425-19580 (M); Email giridhar@iith.ac.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, Jeebangir 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]; **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]; **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, 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, 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, souvik@rnabiology.org]; **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; Web <http://www.orgchem.iisc.ac.in/uday-maitra>]; **SC: III.**



2023: MAJI, Samir Kumar (*b* 1974), PhD, Sp: Biochemistry, Biophysics, Protein folding/misfolding, Protein aggregation, neurodegenerative diseases, FNASc, FASc, FRSC, FRSB, Professor, *Department of Biosciences and Bioengineering, IIT Bombay, Powai, Mumbai 400076*; B17, B type Building Number 4, Central Area, IIT Bombay, Powai, Mumbai 400076 [Tel (022) 2576-7774 (O); 97-696-88774 (M); Email samirmaji@iitb.ac.in]; **SC: VIII.**



2010: MAJUMDAR, Subeer S (*b* 1961), PhD, Sp: Transgenic Animals and Endocrinology, Animal Biotechnology; Director General, *Gujarat Biotechnology University, Gandhinagar* [Tel (040) 2312-0102 (O), 98-181-70750 (M); Email subeer@nii.ac.in, subeer@niab.org.in]; **Council: Mem 2021-;** **SC: VI.**





2022: MAJUMDER, Gobinda (b 1967), PhD, Sp: Experimental High Energy Physics; FASc, FNASc, Senior Professor, *Department 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, majumder.gobinda@gmail.com]; Web <https://www.tifr.res.in/~gobinda/>; **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, *CSIR-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; Diaganika 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@icb.res.in, 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, FTWAS, 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 and Kolkata 741246*; 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; 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, Asia Pacific Academy of Materials (APAM) Academician, formerly Chief Scientist CSIR-National Physical Laboratory, New Delhi 110012, Professor and SERB Distinguished Fellow, Department of Biotechnology, *Delhi Technological University, Delhi 110042, India*; Flat No 02031, Tower 19, Mahagun Mywoods, NOIDA Extension, Gautam Budh Nagar 201308 [Tel (0120) 4153826 (R), 99-683-75812 (M); Email 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]; **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, pawanm@icgeb.res.in]; **SC: VIII.**

2023: MALIK, Javed Husain Nurmohmed (b 1968), PhD, Sp: Active Tectonics, Paleoseismology, Paleo-tsunami and Archaeoseismology, FGSI, Professor, *Department of Earth Sciences, Room No. CC 201, Indian Institute of Technology Kanpur, Kanpur 208016, UP, India*, House No. 630, Type IV Indian Institute of Technology Kanpur, Kanpur 208016. UP, India [Tel (0512) 259-7723 (O); 99-563-00101 (M); Email javed@iitk.ac.in]; **SC: IV.**



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/bnmallick/>; **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, Honorary Visiting Professor, Department of Zoology, Diamond Harbour Women's University, Former JC Bose National Fellow, Former Scientist H, *Indian Institute of Chemical Biology; B-131 Survey Park, Kolkata 700075* [Tel 98-310-36964 (M); Email chitra_mandal@yahoo.com]; **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, Distinguished Professor, *Bioinformatics Centre, Savitribai Phule Pune University, Pune and Honorary Distinguished Scientist, National Centre for Cell Science, Pune* [Tel 92-844-30263 (M); Email shekhar.mande@gmail.com; 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@iitk.ac.in]; **Medal:** INSA Young Scientist (1992); **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 emailboxgm@gmail.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 (hc), 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, 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 minnicmathan@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 Sabni 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-412, Adityavardhan, Raheja Vihar Access Road, Mumbai 400072* [Email atmol1@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 (*bc*), 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: Professor Deepak Gaur Memorial (2022); Council: VP 2022-; SC: IX.**



1983: MEHTA, Goverdhan (*b* 1943), PhD, DSc (*bc*), 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.**



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.**



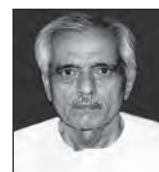
2006: MISHRA, Gyan Chandra (*b* 1947), PhD, Sp: Immunology; NASI-Platinum Jubilee Chair Distinguished Professor, *National Centre for Cell Science, NCCS Complex, Pune University Campus, Ganeshkhind, Pune 411007* [Tel (020) 2570-8283 (O), 94-225-22705 (M); Fax 2569-7756; Email gcmishra@nccs.res.in; Web <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, AcSIR Distinguished Emeritus Professor, *CSIR-Centre for Cellular and Molecular Biology, Habsiguda, 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; rakesh.mishra@tigs.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; *B-106 Majestic Towers, Upper Kharadi Road, Wagholi, Pune 412207* [Tel 77-988-37895 (M); Email skmishrapune@rediffmail.com]; **Council: Mem 1995-97; SC: IV.**



2009: MISRA, Gadadhar (*b* 1956), PhD, Sp: Operator Theory; FASc, F.N.A.Sc.; JC Bose National Fellow Statistics and Mathematics Unit, Indian Statistical Institute, Bangalore 560059; *Department of Mathematics, IIT Gandhinagar, Palaj, Gujarat 382055*; 508/509, Block-II, RMV Clusters (Phase-II), RMV Ext, IInd Stage, Bengaluru 560094 [Tel (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.**





2023: MISRA, Hari Sharan (b 1962), PhD, Sp: Molecular and Cellular response to DNA damage, Molecular Genetics, Structure-function of proteins & non-B form of DNA and Radiobiology. Professor and Head, *Homi Bhabha National Institute (HBNI) a DAE Deemed to be University, Mumbai 400094*, Bhabha Atomic Research Centre, Mumbai 400085; Vill-Kundurkha PO-Govindpara, Dist Gonda 271301 (UP), [Tel (+91) 98-691-37053 (O); 99-204-58791 (M); Email- hsmisra@barc.gov.in / harimisra38@gmail.com]; **SC: VIII.**



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.**



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, 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, *Panditita Terrace, Kolkata 700029* [Email 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, 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, FIAPR, FAAIA, FTWAS Professor HAG, 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]; **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, 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, Fluid-Structure Interactions, Sports Aerodynamics, Wind-Tunnel testing, 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]; **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]; **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; Web www.drmmohans.com, 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; 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 and Professor, *National Institute of Science Education and Research Bhubaneswar, Jatni 752050, Odisha*; E-40, NISER, Jatni 752050, Odisha [Tel (0674) 249-4531 (O), 249-4200 (R), 88-955-84872 (M); Fax 249-4004; Email bedanga@niser.ac.in, 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, 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, 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 Bhawan, 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]; **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, 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; 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, 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]; **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; Web <http://civil.iisc.ac.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]; **SC: I.**



1991: MUKHERJEE, Debashis (*b* 1946), PhD, DSc (*hc*), 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]; **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, 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 prasunmukherjee1@gmail.com, prasunmala@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, 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-LARI, New Delhi 110012*; 7145, B 10, Vasant Kunj, New Delhi 110070 [Tel (011) 2689-5815 (R), 98-719-95629 (M); Email 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, Honorary Emeritus Professor, *Indian Institute of Science Education and Research (IISER), Homi Bhabha Road, Pasban, Pune 411008*; C702, Mont Vert Dieu, Pashan-Sus Road, Pune 411021 [Tel 98-672-01156 (M); Email sunil.mukhi@gmail.com]; **Lecture:** Dr Biren Roy Memorial (2022); **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]; **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]; **SC: VII.**



1987: MUKHOPADHYAY, Dhruvajyoti (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, *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, mburn@mbu.ac.in]; **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, murty.iitm@gmail.com; Web 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, muruks@iitb.ac.in, rmuruks@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); Fax 253-0984; Email 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]; **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* [96-745-13756 (M); Email kamalakshanag@gmail.com, ickn@iacs.res.in, knagiacs@rediffmail.com]; INSA Senior Scientist (2008-12); INSA Honorary Scientist (2013-15); **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, Thiruvanimiyur, Chennai 600041* [Tel (0877) 250-0421 (O), 2451-6393 (R), 96-770-30434 (M); Email dsn@ims.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, dknb69@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.**



2023: NAGENDRA, Harini (*b* 1972), PhD, Sp: Landscape Ecology; Forest Conservation; Satellite Remote Sensing; Urban ecology, Climate Change, Director, Research Centre and Professor, Centre for Climate Change and Sustainability, *Asim Premji University, Survey No. 66, Burgunte Village, Bikkanaballi Main Road, Sarjapura, Bengaluru 562125, Karnataka, India*; 81, Rainbow Residency, Sarjapur Road, Junnasandra, Bengaluru, Karnataka, India 560035 [Tel +91 89718 89988 (O); 98-453-48103 (M); Email harini.nagendra@apu.edu.in]; **Medal:** INSA Young Scientist (2001); **Award:** Professor LSS Kumar Memorial (2001); **SC: VI.**





2023: NAIR, Deepak Thankappan (*b* 1973), PhD, Sp: Structural & Molecular Biology, Professor, *Regional Centre for Biotechnology, NCR Biotech Science Cluster, 3rd Milestone, Faridabad 121001*; J202, Park Grandeura, Sector 82, Neharpar, Faridabad 121002 [Tel (0129) 284-8844 (O); 96-430-02885 (M); Email deepak@rcb.res.in]; **SC: VIII.**



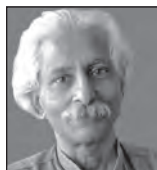
2003: NAIR, Gopinath Balakrish (*b* 1954), PhD, Sp: Medical and Molecular Microbiology; FASc, FNASc, FTWAS, Foreign Assoc US NAS, Fellow, American Academy of Microbiology, Independent Consultant, Former Director NICED & THSTI; Former Acting Regional Adviser, WHO, SEARO; *3E SFS Palace Court, T.C. 5/2380 (22), Pipe Lane Road, Kovdiar, Thiruvananthapuram 695003* [Tel (0471) 243-3857 (R), 99-998-29379 (M); Email 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@cmb.res.in, vinaykn@cmb.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]; **Medal: Golden Jubilee Commemoration (Chem Sc) (2016); Lecture: Professor S Swaminathan 60th Birthday Commemoration (2022); 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]; **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; Web <http://www.nio.org>]; **Lecture: SK Mitra Memorial (2015); Council: Mem 2020-22; 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; Web <https://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, 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*; [Tel (011) 2995-5778 (O), Email 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]; **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), *Janabarlal 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]; **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, Khandwa Road, Indore 452001*; Email 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]; **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; *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]; **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, rajan1960@gmail.com; Web <http://sscu.iisc.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]; **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, Motbrowala Road, Kedarpur, Dehradun 248001*; *Swami Ram Himalayan University, Jolly Grant University, Doiwala, Dehradun 248140* [Tel 63-959-22202, 94-155-11111 (M); Email csnnbri@yahoo.com, nautiyalnabri@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]; **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, 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]; Medal: INSA Young Scientist (1989); **SC: I.**

1998: NITYANANDA, Rajaram (*b* 1948), PhD, Sp: Optics, Statistical Physics, Gravitational Dynamics; FASc, FNASc, Simons Visiting Professor, ICTS, Bengaluru; Home address: 3A601, Serene Urbana, Kannamangala Village, Devvanahalli, Bengaluru 562110, [Tel 96-117-89391 (M); Email 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; *53 Aarohi Homes, South Bopal, 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, Director, UGC-DAE Consortium for Scientific Research, Indore 452001; JC Bose National Fellow, 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); 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]; **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; Member, European Academy of Sciences and Arts; National Science Chair (SERB-DST), ISI-President, 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, sankarpal@yahoo.com; Web <https://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, s.pal@ncl.res.in, spal@chem.iitb.ac.in; Web <http://www.chem.iitb.ac.in>, 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.**



2023: PALAKURISSI BALAGOPAL, Sunil Kumar (*b* 1964), PhD, Sp; Soft condensed Matter, Computational Physics, Statistical Physics, Multi-Scale Simulations, Large Scale Parallel Computing, FASc, Professor, IIT Madras, *Indian Institute of Technology Madras, Chennai 600036*, Tamil Nadu; 1A - B27(Chola), IIT Madras, Chennai 600036 [Tel (044) 2257-4876 (O); 98-403-29487 (M); Email sunil@iitm.ac.in]; **SC: II**



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, palaniandavarm@gmail.com, 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, 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]; **SC: X.**



2018: PANDA, Dulal (b 1964), PhD, Sp: Biochemistry, Cell Biology, Biophysics, and Pharmacology; FTWAS, FNASc, FASc, Director, *National Institute of Pharmaceutical Education and Research, Mohali, Director's Bungalow, NIPER SAS Nagar, Sector 67, Punjab 160062* [Tel (0172) 2214690 (O) 2214694 (R), 98-203-91591 (M); Email panda@iitb.ac.in, panda@niper.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, Khurdha 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.**



2023: PANDEY, Daya Shankar (b 1961), PhD, Sp: Chemistry, FASc, FNASc, Professor, *Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, Uttar Pradesh 221005*; Vill. Jagdishpur, P.O. Sarai Sagar, Faizabad (Ayodhya), Uttar Pradesh 224441 [Tel 94-509-60400 (M); Email dspbhu@bhu.ac.in]; **SC: III**



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, Maharaj Krishan (*b* 1958), PhD, Sp: Plant Sciences, Ecogenomics, Conservation Biology; FNASc, International Member (IHM), American Academy of Arts & Sciences, Dean, Jindal School of Environment & Sustainability, OP Jindal Global University; former Radcliffe Fellow, Harvard University, Distinguished Professor, National University of Singapore, 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 98-110-47018 (M)]; Email maharajk.pandit@jgu.edu.in, rajkpandit@gmail.com; Web www.maharajpandit.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; 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]; **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]; **Council:** Mem 2019-21; **SC: I.**



2023: PAREEK, Ashwani (b 1969), PhD, Sp: Plant Molecular Biology, FNASc, FNAAS, Professor, *Stress Physiology and Molecular Biology Laboratory, Room No. 401, School of Life Sciences, Jawaharlal Nehru University, New Delhi 110067*, India; Executive Director, National Agri-Food Biotechnology Institute (NABI), DBT, GOI, Mohali Chief Executive Officer, Center of Innovative and Applied Bioprocessing (CIAB), DBT, GOI, Mohali [Tel (011) 26704504 (O); 98-184-87723 (M), Fax: 011 2674-2558; E-mail: ashwanipareek@gmail.com; ashwanip@mail.jnu.ac.in]; **SC: VII.**



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, swarupdbt@gmail.com]; **Medal:** INSA Young Scientist (2010); **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]; **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, 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, LARI, Pusa Campus, New Delhi 110 012*; formerly Secretary, DARE & DG, ICAR, Executive Secretary, Asia-Pacific Association of Agricultural Research Institutions (APAARI) (1992-2014), Chairman, Haryana Farmers' Commission (2010-2014); President, Indian Science Congress (2000-2001); President, NAAS (1997-2000); Founder Chairman, GFAR (1997-2002), [Tel (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, High-Pressure Mineral Physics, Nanogeoscience, Condensed Matter Physics, Materials Science, Mineralogy and 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), 35th Cross, 14th Main, 4th T Block, Jayanagar, Bengaluru 560041 [Tel (080) 2218-5112 (O) 96-061-21365, 78-936-15248 (M); Email partha.nias@gmail.com, partha@nias.res.in]; **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 Sansamwal 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 (*bc*), Sp: Representations of Lie Groups; FASc, FNASc, former Senior Professor, School of Mathematics, TIFR, Mumbai; *Villa B-75, Nananani Homes Phase 3, Kulathupalayam Dhalayur Road, Coimbatore 641109* [Tel 95-002-33213 (M); Email sarathy.math.tifr@gmail.com]; INSA Senior Scientist (2016-18); **SC: I.**



1995: PARTHASARATHY, Thiruvenkatachari (*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 Nehru 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, Bhaury, 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.**



2023: PAUL, Alope (b 1973), PhD, Sp: Materials Engineering, FASc, Professor, *Department of Materials Engineering, Indian Institute of Science, Bangalore 560012, Karnataka, India*; HE 352, Faculty House Road, Indian Institute of Science, Bangalore, Karnataka, India 560012 [Tel (080) 22933242 (O); 94-807-98448 (M); Email aloke@iisc.ac.in]; **SC: V**



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 (*hc*) 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:** J.L. Nehru 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, Murugeshpalaya, 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, MRCPath, 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 99-951-99993 (M); 92-077-50099, Email mrpillai@gmail.com]; **SC: IX.**



2018: PILLAI, Vijayamohanana 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.vijayamohanana@gmail.com]; **SC: III.**



2018: PODILE, Appa Rao (*b* 1960), PhD, Sp: Plant-Microbe Interactions; FNASc, FNAAS, FASc, JC Bose Fellow, Senior Professor, *Department of Plant Sciences, University of Hyderabad, Prof. C.R. Rao Road, Central University P.O., Gachibowli, Hyderabad 500046, Telangana*; A 56, Bella Vista, Nallagandla, Serilingampally, Hyderabad 500046, Telangana [Tel (040) 2313-4503 (O), 94-907-49922, 91-006-55777 (M); Email: 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@cccdindia.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, FAAAAS, 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), 1st 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.**



2023: PRADHAN, Narayan (*b* 1972), PhD, Sp: Chemistry, FASc, Professor, *Indian Association for the Cultivation of Science, Kolkata 700032*; 399 Kalikapur Road, Kolkata 700099 [Tel 94-338-52806 (M); Email camnp@iacs.res.in]; **SC: III.**



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, 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) 647-4471 (O), (917) 624-1207 (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]; **Medal: Silver Jubilee Commemoration (2022); 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), Ph.D., Sp: Lipidomics, Clinical Drug Resistance, Molecular Mycology; 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), 9810974443 (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: X.**

2002: PRASAD, Rajendra (b 1947), PhD, Sp: Lipidomics, Clinical Drug Resistance, Molecular Mycology; 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), 98-109-74443 (M); Email rprasad@ggn.amity.edu, rp47jnu@gmail.com; Web <http://www.jnu.ac.in/FacultyStaff/ShowProfile.asp?SendUserName=rpj>]; **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, formerly Professor & Head, Department of Zoology, Nagpur University, Nagpur; INSA Senior Scientist, National Environmental Engineering Research Institute, Nagpur; *C-4 Olive Apartments, 6/13 Brodipet, Guntur, Andhra Pradesh 522002*, [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, Computational Social Science; 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 (+91) 99-689-67166 (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*; **Council:** VP 2023-; **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, Dobbahwala, 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.radhakrishnan@icts.res.in; Web <https://www.icts.res.in/people/jaikumar-radhakrishnan1>]; **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); 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, and Molecular Plant Physiology; 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) 2313-1003, 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, Vidyanageri 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 madabusisr@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. 60th 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, raghuram.1@gmail.com; Web <https://sites.google.com/site/math4raghuram/>]; **SC: I.**

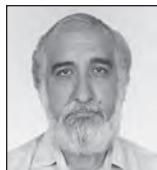


2010: RAI, Lal Chand (*b* 1950), PhD, Sp: Algology, Environmental & Agricultural Microbiology, Molecular Biology; FNASc, FNAAS, Distinguished Professor (Lifelong) & NASI Senior Scientist, formerly JC Bose National Fellow, DAE Raja Ramanna Fellow, formerly Head & Coordinator, *Centre of Advanced Study 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, lcrbai@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*; Res: C-602, Park Grandeur, Balewadi High Street, Baner, Pune 411045 [Tel (020) 2590-8255 (O), 98-903-22705 (M); Fax 2590-8186, 2586-5086; Email shyamsrai@iiserpune.ac.in, 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, 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**.



2023: RAJAGOPAL, Subramanyam (*b* 1970), PhD, Sp: Plant Biochemistry, Chloroplast Bioenergetics, Professor, *Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Gachibowli, Hyderabad 500046*; Telangana; H.No. 2-133/24, Sree Homes, Near Mallanna Temple, Vattinagulapally, Hyderabad 500075, Telangana [Tel (040) 231-4572 (O), 98-660-46509 (M); Email srgsl@uohyd.ac.in, rajagopal98@gmail.com]; **SC:VII**.



2015: RAJAM, Manchikatta Venkat (*b* 1955), PhD, Sp: Plant Biotechnology, Polyamine Physiology and RNA Interference; FNASc, FNAAS, former 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, Dwaraka, New Delhi 110077* [Tel (011) 2507-5497 (R), 98-181-08515 (M); Email 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, Jaballali, 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, FIEEEE, 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, *Ashoka University, Sonipat 131027, Haryana*; [Tel 98-690-63353 (M); Fax 2280-4610; Email cs.rajan@ashoka.edu.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*; MoES Distinguished Scientist, NCESS, Akkulam, Trivandrum 695011; [Tel (0471) 2511625 (O), 85-059-02700 (M); Email mn.rajeevan@nic.in, 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 Synthesis Private Limited, Avra House, 7-102/54 Sai Enclave, Habsiguda, Hyderabad 500007*; formerly Director, ICT, Hyderabad [Tel 98-481-35163 (M), 2717-3360 (R)]; Email ramarao@avrasynthesis.com; avramarao2022@yahoo.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.



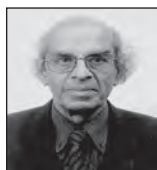
1970: RAMAIAH, Nanduri Atchuta (*b* 1923), PhD, Sp: Physical Chemistry & Sugar Chemistry; formerly Director, National Sugar Institute, Kanpur; *14 Ocean View Layout, Vishakhapatnam 530003* [Tel (0891) 561-225 (R)]; **SC:** III.



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, krishnanpoonam@gmail.com]; **Lecture:** JL 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:** JL 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, 2019-23; **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:** J.L. 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, Vashi, 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 & Head (Retd.)), Department of Physical Chemistry, *School of Chemistry, Madurai Kamaraj University, Madurai 625021*; B4 Shanthi Sadhan, Melakkal Main Road, Kochadai, Madurai 625016 [Tel +91-89-039-71420 (M); Email ramaraj.ram@gmail.com, ramarajr@yahoo.com]; **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; Web <http://sscu.iisc.ac.in/faculty/prof-s-ramasesha/>]; **Medal:** INSA Young Scientist (1978); INSA Senior Scientist (2017-21); INSA Honorary Scientist; **SC: III.**



2019: RAMASUBRAMANIAN, Krishnamurthi (b 1969), PhD, Sp: Non-linear Dynamics and Chaos, INSA Honorary Scientist, 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]; **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, r.ramaswamy@gmail.com; Web <http://ramramaswamy.org>]; **Medal:** INSA Young Scientist (1985); **Council:** VP 2015; **SC: III.**



2004: RAMASWAMY, Sriram Rajagopal (*b* 1957), PhD, Sp: Condensed Matter, Statistical and Biological Physics; FRS, FASc, FNASc, Professor, *Department of Physics, Indian Institute of Science, Bengaluru 560012*; [Tel (080) 2360-2698, 2293-3283 (O), 2308-9166 (R); Fax 2360-2602; Email sriram@iisc.ac.in; Web <http://www.physics.iisc.ac.in/~sriram/>]; **Lecture:** JL Nehru Birth Centenary (2020); **Council:** Mem 2023-**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]; **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]; **SC: V.**



2023: RANGA, Udaykumar (*b* 1959), PhD, Sp: HIV-AIDS (Immunology, Molecular Biology, Pathogenesis), Professor, *HIV-AIDS Laboratory, Molecular Biology and Genetics Unit, JNCASR, Jakkur (PO), Bangalore 560064, India*; Apt. B306, MV Royal Homes, Srirampura Village, Jakkur (PO), Bangalore 560064, India; [Tel (080) 2208-2830 (O); 94-800-69960 (M); Email udaykumar@jncasr.ac.in]; **SC: IX.**



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]; **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; 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, 4th Main, E Block, Rajajinagar 2nd Stage, Bengaluru 560010 [Tel (080) 2293-2540 (O), 98-863-03700 (M); Email 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]; **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, 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, ajrao_2000@yahoo.com, 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, 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 AIMSACS, 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 crr1@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 cprao@iittp.ac.in, cprao@iitb.ac.in, cpraoiitb@gmail.com]; **SC: III.**



2023: RAO, Cherukumalli Srinivasa (b 1965), PhD, Sp: Soil Carbon Sequestration, Climate Change, Natural Resource Management, FNASc, FNAAS, FISSS, FISPRD, Director, *ICAR-National Academy of Agricultural Research Management (NAARM), Rajendranagar, Hyderabad 500030*; NAARM House, NAARM Campus, Rajendranagar, Hyderabad 500030 [Tel (040)-24015070 (O); 98-488-48453 (M); Email chrsao_director@naarm.org.in; cherukumalli2011@gmail.com]; **SC: X.**



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 Nebru 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; 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*; Advisor, Challakere Campus, IISc, 35/2, 1st Floor, 4th Cross, RM V Extension, Bengaluru 560080 [Tel (080) 2293-2538 (O), 2361-1677 (R); Fax 2360-0683; Email 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, Nagasettiahalli, Bengaluru 560094 [Tel (080) 2293-2583, 2360-2897 (O), 2341-1129 (R), 98-801-55726 (M); Fax 2360-1310; Email 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]; **Lecture:** JL 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*; Villa No. 36, Aparna Elixir, Puppalguda, Khajaguda Hyderabad 500104 [Tel (040) 2709-8087 (O), 93-913-20822 (M); Fax 2709-6170; Email 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]; **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]; **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, Room 3, Panchavati, Unit 2, Senior Citizens Home, Prabhudalaya, 248 Nisarga Layout, Bannerghatta Road, Bangalore 560083, Karnataka* [Tel 96-118-35935 (M); Email bcncar@biochem.iisc.ernet.in, bcncar@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, nvcrac@bhu.ac.in]; **SC: IV.**

1980: RAO, Palle Rama (b 1937), PhD, DSc (*bc*), 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]; **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, *Vasbi*, Navi Mumbai 400703 [Tel (022) 2789-0712 (R), 92-255-18888 (M); Email 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, Manmala 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, *No. 328, B-4, Kendriya Vihar, Yelahanka, Bengaluru 560064* [Tel 91-132-15570, 94-488-52356 (M); Email raocimap@gmail.com]; INSA Honorary Scientist (2011-15); **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, FTWAS, Pillay Chair Professor & Former Director, *Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016*; 12, West Avenue, IIT Campus, Hauz Khas, New Delhi 110016 [Tel (011) 2659-7367 (O), 2659-8601 (R); Email rrrao@iitd.ac.in, rao.ramgopal@gmail.com; Web <http://web.iitd.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, Vignani's University, Vadlamudi, Guntur 522213, AP*; formerly Chief Scientist, CSIR-NIO, Goa; Angalakuduru, Kopalle 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 (*hc*), 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, Prayagraj; Flat No. 10/6, Block C, Green Tower, Golf Green, Kolkata 700095 [Tel (033) 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; formerly Chairman, URSI Committee 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 99-499-02886 (M); 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, Izzat 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, *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 Emeritus Scientist, *501 Vigyan, Plot 23, Sector 17, Vashi, 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); INSA Honorary Scientist (2016-21); **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@jbose.ac.in, 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]; **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]; **SC: IX.**



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]; **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.**



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.sahni@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 girishsahni@gmail.com]; **SC: VIII.**



2011: SAHNI, Varun (b 1956), PhD, Sp: Theoretical Physics; FASc, FNASc, FTWAS, Emeritus 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, Karnatka State Higher Education Academy, 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, former 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 96-507-82444 (M); Email dinakar.salunke55@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 2020-22; **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; *Lalberi 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 Honorary 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), 99-401-39682 (M); Fax (044) 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]; **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 sankar@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, 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, 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, Jubu-Versova Link Road, Andheri (West), Mumbai 400053 [Tel (022) 2628-8483 (R), 98-191-11024 (M); Email 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) 2631-4938 (O), 3568-6063 (R), 94-267-27301 (M); Fax 2631-4900; Email sarin@prl.res.in, 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, Chancellor and Director, *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, Senior Professor, Joint Director, DSSEED, IoE & Former Head & Dean (Faculty of Interdisciplinary and Applied Sciences), *Department of Biochemistry, University of Delhi, South Campus, New Delhi 110021*; Former Director, IISER Mohali [Tel (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/DDSarma/>]; **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 Nebru 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, Manauli 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.in; Web <http://www.SAU.ac.in>; www.rajivksaxena.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 Honorary Scientist, *Institute for Plasma Research, Bhat, Gandhinagar 382428*; 846, Nandanvan Society, S.G. Highway, Ahmedabad 380058 [Tel (079) 2396-9023 (O), 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 ashokesen1999@gmail.com; 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.ac.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, Dean, School of Engineering and Senior Professor, *Dept of Computer Science and Engineering, Shiv Nadar University, Delhi NCR, Gautam Buddha Nagar, Uttar Pradesh 201314*; Villa 5, Campus Housing, Shiv Nadar University, Gautam Buddha Nagar, Uttar Pradesh 201314 [Tel (0120) 2662002 (O), 98-681-14462 (M); Email ssen@snu.edu.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.**



2023: SEN DE, Aditi (b 1974), PhD, Sp; Quantum Information and Quantum Computation, Quantum Optics, Condensed Matter Physics, Professor H, *Physics Division, Harish-Chandra Research Institute, Cbhatnag Road, Jhansi, Allahabad 211 019, India*; [Tel (0532) 2274410; 97-936-37732 (M); Email: aditi@hri.res.in]; **SC: II.**



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 tpxs@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]; **Lecture:** Professor Vishwa Nath Memorial (2021); **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, Reproductive Biology; Nanotoxicology, FASc, FNASc, FNAAS, 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 (O), (040) 2988-6518 (R), 94-401-40637 (M); Fax 2301-0120; Email bsksl@uohyd.ac.in, senthilkumarab@yahoo.com, senthilkumaranasubramanian@gmail.com]; **SC: VI.**

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, CRRI, Cuttack; 2244, *West River Rock Trail, Anthem, AZ 85086, USA* [Tel (+1) 623 551 6015 (M); Email 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]; **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]; 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, 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 2020-22; **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, Ad Mem 2023; **SC: V.**



2004: SHARMA, Ashutosh (*b* 1961), PhD, DSc (*bc*), 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), 99-353-97366 (M); 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, Pres 2023-; **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, Strategic Advisor and Distinguished Senior Fellow, *Ashoka Trust for Research in Ecology and the Environment (ATREE), PO Royal Enclave, Srirampura, Jakkur, Bengaluru, Karnataka 560064*; Block 1/3A, Silver Oaks Apartment, Mallaguri, Siliguri, West Bengal 734003: Tel 92-894-56381 (M); Email eklabya.sharma@atree.org, eklabyasharma11@gmail.com]; **Medal:** INSA Young Scientist (1988); **SC: VI.**



1976: SHARMA, Man Mohan (*b* 1937), PhD (Cantab), DSc (*bc*), DEng (*bc*), 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, *Jaswant Bang (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; 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, Sangner (RHB), Jaipur 302033 [Tel (0141) 3135551 (R), 94-148-88025 (M); Email 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]; **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, Tulsiagan 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, shobhona@gmail.com; Web 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* & 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]; **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]; **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 Bhavan, 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, 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, vdtstsharma@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_aiims@yahoo.com, 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, yogen.ccmb@gmail.com]; **SC: VIII.**



2007: SHASHIDHARA, Lingadahalli Subrahmanya (b 1963), PhD, Sp: Genetics and Developmental Biology; FASc, FNASc, Professor (Biology), *Indian Institute of Science Education and Research (IISER), Dr Homi Bhabha Road, Pune 411008* and Professor (Honorary), *Ashoka University, Sonapat 131029*; 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]; **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]; **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.**



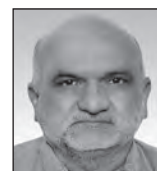
1994: SHIVANNA, Kundaranahalli Ramalingaiah (*b* 1940), PhD, Sp: Reproductive Biology particularly Pollen Biology and Biotechnology, and Conservation Biology; FASc, FNASc, FNAAS, Honorary Senior Fellow, ATREE (Ashoka Trust for Research in Ecology and the Environment), Royal Enclave, Srirampura, Jakkur Post, Bengaluru 560064; formerly Professor and Head, Department of Botany, University of Delhi; *Odekar Farms, Nandihalli, 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.**



2023: SHUKLA, Arun Kumar (*b* 1981), PhD, Sp: Membrane Protein, Structural Biology, Protein Engineering and Design, FNASc, FASc, Faculty, *Department of Biological Sciences and Bioengineering, Lab No. 3, Indian Institute of Technology, Kanpur, Uttar Pradesh 208016*; D 204, Faculty Apartments, IIT Kanpur, India 208016 [Tel (0512) 679-4251 (O); 95-590-02644 (M); Email arshukla@iitk.ac.in]; **SC: VIII.**





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, sdsl@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, Ex-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]; **SC: I.**



2014: SINGH, Bhim (b 1956), PhD, Sp: Electrical Engineering; FNAE, FNA, FNA-Sc, FASc, FTWAS, FIEEE, FIET, FIETE, FIE(I), SERB National Science Chair and Emeritus 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), 2659-1890 (R), 98-115-02125 (M); Email bsingh@ee.iitd.ac.in]; **SC: V.**



2005: SINGH, Bijay (b 1950), PhD, Sp: Soil Fertility and Chemistry; FNAAS; *69, Green Field, Ludhiana 141002* [Tel 98-155-69369 (M); Email bijaysingh20@hotmail.com]; **Medal:** Professor KS Bilgrami Memorial (2009); **Lecture:** Professor BD Tilak (2014); INSA Senior Scientist (2012-17); INSA Honorary Scientist (2017-22); **Council:** Mem 2010-12; **SC: X.**



2023: SINGH, Gyanendra Pratap (b 1964), PhD, Sp: Agriculture, FNAAS, FISGPB, FSAWBR, Director, *National Bureau of Plant Genetic Resources, New Delhi 110012*, India; Director's Residence, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi 110012 [Tel (011) 25843697, 25802781 (O); 98-688-41775 (M); Email: gyanendrapsingh@hotmail.com; gp.singh@icar.gov.in; director.nbpgr@icar.gov.in]; **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]; **Medal:** Professor TR Seshadri 70th Birthday Commemoration (2000); **Council:** Mem1997-99; **SC: III.**



2012: SINGH, Harkesh Bahadur (*b* 1956), PhD (LKO), PhD (Aston), Sp: Organometallic Chemistry, Inorganic Chemistry; FASc, FNASc, *B-305, Blue Nile Pacific Enclave, Near Hiranandani Hospital, Powai, Mumbai 400076* [Tel 93-238-40676 (M); Email chhbsia@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]; **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, singh_js1@yahoo.com, 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; INSA Senior Scientist (2022-), Visiting Professor (2017-2022), 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 (2018-2021), 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, kps@iisermohali.ac.in]; **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, excedir@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 94-153-72614 (M); 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, CRRI, Cuttack; *House No B3/22, Shivala, Post Shivala, Varanasi 221001* [Tel 94-157-14584 (M); Fax 670-1124; Email pksalga@yaho.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 stmsingh@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 Bungalow, 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]; **Council: Mem 2023-;** **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, Director (Hon) Delhi School of Public Health, Institution of Eminence, *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 nknavin@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, Sneha 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 sneha@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; FASc, 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@jncastr.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 S.A.S Nagar, Mohali 140306* [Tel 89-687-44849 (M); Fax (0172) 224-0266, 224-0124; Email ssinha@iisermohali.ac.in, 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, sub_sinha2004@yahoo.co.in]; **Lecture:** Professor Vishwa Nath Memorial (2015); **Council:** VP 2020-22; **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, S.A.S Nagar, Manauli P.O. 140306* [Tel (0172) 224-0266 (O), 99-156-62755 (M); Email 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, drvprsinha@yahoo.com; Web www.drvprsinha.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]; **Medal:** INSA Young Scientist (1991); **SC: V.**



2020: SIVAN, Kailasavadivoo (b 1957), PhD, DSc (hc), Sp: Aerospace Engineering, Space Transportation Systems Engineering; Vikram Sarabhai Distinguished Professor DOS/ISRO, ISRO Headquarters, 3rd Floor, Room No. 331, *Antariksh Bhavan, New BEL Road, Bengaluru 560231; "VYOMA", 485/1, 80 Feet Road, R.T. Nagar, Bengaluru 560032* [Tel (080) 2341-0013, 94-477-76671 (M); Email sivan@isro.gov.in]; **NC.**



1998: SIVARAM, Swaminathan (b 1946), PhD, DSc (hc, 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), 98-607-99954 (M); Email s.sivaram@iiserpune.ac.in, 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, Director, *International Centre for Genetic Engineering & Biotechnology (ICGEB), Aruna Asaf Ali Marg, New Delhi 110067* [Tel (011) 94-410-55295 (M); Email icgeb.director@gmail.com, rameshvsonti@gmail.com]; **Council:** Mem 2018-20; **SC: X.**



1996: SOOD, Ajay Kumar (*b* 1951), PhD, Sp: Condensed Matter Physics; FASc, FNASc, FTWAS, FRS, Principal Scientific Advisor to the Government of India, National Science Chair 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 office-psa@nic.in, 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/>]; **Lecture:** Professor Darshan Ranganathan Memorial (2022); **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.**



2023: SRINIVAS, Mandyam Doddamane (*b* 1950), PhD, Sp: Theoretical Physics, History and Philosophy of Science; Senior Fellow and Chairman, *Centre for Policy Studies, 11/12, Ashok Nandanam, Manickam Nagar, Kundrathur, Chennai 600090*; Flat 1, RAPAS Apartment, Old No. 31, New No. 57, Rukmini Road, Besantnagar, Chennai 600090 [Tel 94-440-94352 (M); Email mdsrinivas50@gmail.com]; **NC**



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 (Emeritus), *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) 97-600-47667 (WhatsApp); Email deepak.srivastava@es.iitr.ac.in/dpkfesf@gmail.com]; **SC: IV.**



2016: SRIVASTAVA, Dinesh Kumar (b 1952), PhD, Sp: Theoretical Nuclear Physics; FNASc, Former Homi Bhabha Chair Professor, *National Institute of Advanced Studies*; 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; *C3/44 Kendriya Vihar, V I P Road, Mondal Ganthi, Kolkata 700052* [Telephone- 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 vasanthapadma123@gmail.com]; **SC: IX.**



2023: SRIVASTAVA, Pradeep (b 1971), PhD, Sp: Geology, Associate Professor, Department of Earth Sciences, Indian Institute of Technology Roorkee, *Roorkee 247 667*; 215/2 Saraswati Kunj, Indian Institute of Technology Roorkee, Roorkee 247 667 [Tel (0135) 252-5351 (O); 94-120-58165 (M); Email pradeepsrivastava71@gmail.com, pradeep@es.iitr.ac.in]; **SC: IV.**



2023: SRIVASTAVA, Rajesh K (b 1961), PhD, Sp: Igneous Petrology, Geochemistry, Precambrian Tectonics, and Supercontinent Reconstructions, FASc, FNAsc, Professor, Centre of Advanced Study, *Department of Geology, Banaras Hindu University 221005; 2021, Block-B, KBN Lion Enclave, Sunderpur, Varanasi 221005* [Tel 94-158-12079, 93-369-06925 (M); Email rajeshgeolbhu@bhu.ac.in, rajeshgeolbhu@gmail.com]; **SC: IV.**



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*; 22914, Wrencrest Drive, Calabasas, CA 91302, USA [Tel (080) 2293-2403 (O), 2346-6430 (R), +1 818 585 6875 (M); Fax 2360-0529; Email gsrcs@iisc.ac.in, gsrcsrao@gmail.com, gsrcsrao@yahoo.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]; **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]; **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]; **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]; **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, 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, *INSA Honorary Scientist, Department of Zoology, University of Madras, Chennai-600025*; 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]; **Medal:** Chandrakala Hora Memorial (2002); **Lecture:** Professor Har Swarup Memorial (2008); **SC: VI.**



1968: SUKH DEV (*b* 1923), PhD, DSc, DSc (*hc*), 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]; **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 spsiitb@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]; **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, 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, 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, Snehnagar Colony, Street No 8, Habsiguda, Hyderabad 500007 [Tel (044) 2257-4759 (O); Fax 2257-4752; Email gsundararajan@iitm.ac.in, 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, Thiruvanniyur, Chennai 600041 [Tel (044) 2254-3210 (O), 2451-6082 (R); Fax 2254-1586; Email 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, INSA Senior Scientist, *National Institute for Advanced Studies, Indian Institute of Science Campus, Bengaluru 560012* [Tel (080) 2293-2697 (O), 94-781-00300 (M); Email 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, FASI, FAeSI, MIAA (Paris), FSSI, International Member, NAE, USA, 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, 7th 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, Cholanagar, 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, Avadhesha (*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**: JL Nehru 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**: Blakett 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.; INSA Senior Scientist, *CSIR-Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500007*; Flat No. 601, 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; 2021-present); **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, Neb Valley, Neb 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 (*hc*) Sp: Cardiology; FAMS, FACC, FIACS (Canada), Chairman, PSRI Heart Institute, 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 110025*; [Tel 88-002-32211 (M); Email kktalwar@hotmail.com]; **Medal:** Aryabhata (2012); **SC: IX.**



2023: TAMANG, Jyoti Prakash (*b* 1961), PhD, Sp: Microbiology of Fermented Food and Beverages, FNASc, FNAAS, FIAMS, FBRs, Senior Professor and Head, *Department of Microbiology, Sikkim University, Science Building, Tadong, Gangtok, Sikkim 737102*; [Tel 80-160-99902 (O); 98-320-61073 (M); Email jyoti_tamang@hotmail.com]; **SC: X.**

2023: TANDON, Nikhil (*b* 1963), PhD, Sp: Endocrinology and Metabolism, FNASc, FASc, Professor and Head, *Department of Endocrinology and Metabolism, All India Institute of Medical Sciences (AIIMS), New Delhi, Ansari Nagar, Delhi 110029*; 413, Hawa Singh Block, Asian Games Village, Delhi 110049 [Tel (011) 2659-3433 (O); 98-182-11663 (M); Email nikhil_tandon@hotmail.com]; **SC: IX**



1979: TANDON, Prakash Narain (*b* 1928), MS, FRCS, DSc (*hc*), 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, 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, 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, amulev@gmail.com]; **Lecture:** Professor VV Narlikar Memorial (2018); **Council:** Mem 2012-14; **SC: I**





2023: THARMALINGAM, Punniyamurthy (b 1964), PhD, Sp: Organic Chemistry, FASc, FNASc, FRSC, Dean of Faculty Affairs and Professor of Chemistry, *Indian Institute of Technology Guwahati, Guwahati, Assam 781039* [Tel (0361) 258-4309; Email tpunni@iitg.ac.in]; **SC: III.**



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]; **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]; **Medal:** INSA Young Scientist (2000); Mem 2023; **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; 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, 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]; **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, sachchida.tripathi@gmail.com]; **SC: IV.**

2005: TRIPATHY, Baishnab Charan (b 1952), PhD, Sp: Plant Physiology, Photobiology, Plant Biotechnology, FNASc, FNAAS, Distinguished Professor, *Department of Biotechnology, Sharda University, Greater Noida 201310, Uttar Pradesh*, Formerly Professor and Dean, School of Life Sciences, Jawaharlal Nehru University, New Delhi 110067; formerly Vice-Chancellor, Ravenshaw University, Cuttack, Odisha [Tel 98-181-04924, 78-944-00787 (M); Email baishnabtripathy@yahoo.com; Web <http://www.sharda.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, 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, director@tifr.res.in]; **Council: Mem 2016-18; SC: II.**



2023: TRIVEDI, Vijaylaxmi Girijashankar (b 1966), Sp: Commutative Algebra, Algebraic Geometry, Professor, *School of Mathematics, TIFR, Homi Bhabha Road, Colaba, Mumbai 400005*; 601, Satyendra, TIFR Colony, Homi Bhabha Road, Colaba, Mumbai 400005 [Tel (022) 22782392; 98-672-04966; Email vija@math.tifr.res.in]; **SC: I.**



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*; House 765, Sector 12, Panchkula 134115 [Tel (0172) 254-4107 (O), 257-0765 (R), 99-150-35511 (M); Fax 254-7986; Email rakeshtuli@hotmail.com, 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, *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; A2-21 DDA flats, Sector E1, Vasant Kunj, New Delhi 110070 [Tel 98-712-77558 (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, *GGSI Indraprastha University, Sector 16C, Dwarka, 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, former 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, Dwarka, 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, upretidkbri@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]; **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 (*bc*), 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, msvaliathan@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, 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]; **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, Bindrabani, Palampur 176061 (HP) [Tel 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 varshney.raj@gmail.com; rajeev.varshney@murdoch.edu.au]; **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, Karuppanan (*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]; **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, 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, Prasanthinilayam, Anantapur District 515134, AP* [Tel (08555) 287-499 (R); Email 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]; **Medal:** INSA Young Scientist (1990); 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, 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 (Kodigehalli), Bengaluru 560092* [Email y_v_venkatesh@yahoo.co.in, yv.venkatesh@gmail.com]; **SC: V.**



2022: VERMA, Akhilesh Kumar (b 1968), PhD, Sp: Transition-Metal/ Super-base-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]; **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, verma.jugal@gmail.com]; **SC: I.**



2023: VERMA, Kaushal Kumar (b 1971), PhD, Sp: Complex Analysis, Professor, *Department of Mathematics, Indian Institute of Science, Bangalore 560012*; 506/07, Block 3, Phase 2, RMV Clusters, Lottegollahalli, Bangalore 560094 [Tel (+91) 74-830-64269 (M); Email kverma@iisc.ac.in]; **SC: I**

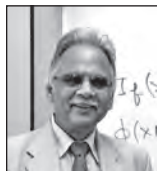


2020: VERMA, Mahendra Kumar (b 1966), PhD, Sp: Turbulence, Plasma Physics, Nonlinear Dynamics; Professor, *Department of Physics, Indian Institute of Technology Kanpur, Kanpur 208016*; H.No. 4074, Indian Institute of Technology Kanpur, Kanpur 208016 [Tel (0512) 259-7396 (O), 259-8515 (R), 93-997-46029 (M); Fax 259-0914; Email mkv@iitk.ac.in; 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, 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; Web https://people.iith.ac.in/m_vidyasagar/]; **Lecture:** JL Nehru Birth Centenary (2005); **SC: V.**



2017: VIJAY KUMAR, Panganamala (*b* 1955), PhD, Sp: Electrical Communication Engineering: Error-Correcting Codes, Low-correlation sequence design; Honorary Professor, *Department of Electrical Communication Engineering, Indian Institute of Science, Bengaluru 560012*; 169, 3rd Main, 11th Cross, RMV 2nd Stage, Bengaluru 560094 [Tel 99-451-79215 (M); Fax 2360-0563; Email pvk1729@gmail.com, pvk@iisc.ac.in; Web <https://ece.iisc.ac.in/~pvkece/>]; **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]; **SC: IX.**



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, *Room No 319, Vigyan Bhawan Annexe, New Delhi 110011*; Former Secretary, DBT [Tel (011) 2469-5482, 2302-2112 (O); Fax 2469-5483; Email vijayaraghavan@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, FRSB, OBE Adjunct Professor, Eternal University, Baru Sahib, HP 173101; former Professor, Mekelle University, Ethiopia; former and Honorary 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), 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: VIYOI, 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, FNAVS, Tata Innovation Fellow, Commonwealth Scholar, Director, *National Centre for Cell Science, University of Pune Campus, Pune 411007*; Parijat Apartment, Mayur Colony, Kothrud, Pune 411038 [Tel (020) 2570-8102 (O), 2543-0204 (R), 93-730-00831 (M); 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 gd.yadav@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, yadavfna@gmail.com]; **Lecture:** Professor S Swaminathan 60th 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 342003 [Tel (0291) 2786584 (O), 94-139-31805 (M); Fax 2788706; Email opyadav21@yahoo.com, 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, 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]; **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, 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, bayya.yegna@gmail.com]; **Medal: SH Zaheer (2014); SC: V.**



2023: YENDLURI, Shanthi Pavan (b 1973), PhD, Sp: Analog Mixed-Signal VLSI Design, FNAE, FIEEE, NT Alexander Institute Chair Professor and Dean (Academic Research), *Department of Electrical Engineering, IIT Madras, Chennai 600036*; B-19 Lakeview Road, IIT Madras Campus, Chennai 600036 [Tel (044) 2257-6437 (O); 90-031-14549 (M); Email shanthi@ee.iitm.ac.in]; **SC: V.**



2023: YUSUF, Sheikh Mohammad (b 1965), PhD, Sp: Magnetism, Neutron Scattering, Condensed Matter Physics, FNASc, FASc, Director, Physics Group, *Bhabha Atomic Research Centre, Trombay, Mumbai 400085*; 502 Breeze Park, Plot 64, Sector 14, Navi Mumbai 4000709 [Tel (22) 2559-5608; 98-339-83074 (M); Email smyusuf@barc.gov.in, smyusuf1@yahoo.com]; **SC: II.**



FOREIGN FELLOWS



1997: ADHYA, Sankar L (*b* 1937), PhD (Wisconsin), PhD (Calcutta), DSc (*hc*), 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, adhya@mail.nih.gov].



2013: AHMED, Rafi (*b* 1948), PhD, Sp: Molecular Understanding of Immunological Memory in Infection and Vaccination; Member, US National Academy of Sciences, National Academy of Medicine, American Academy of Arts and Sciences, National Academy of Inventors, and American Academy of Microbiology. 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].



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].



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].



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].

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].



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 (PACSTI), 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 eayensu@gmail.com; Web <http://edwardayensu.com>].



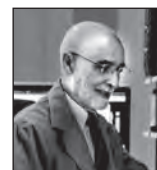
1980: BAKER, Alan (b 1939), PhD, Sp: Mathematics; FRS, Hon Mem, Hungarian Acad Sc, Emeritus Professor of Pure Mathematics, *University of Cambridge*, and Fellow, *Trinity College, Cambridge, CB2 1TQ, UK* [Tel (44-1223) 338-400 (O); Email a.baker@dpmms.cam.ac.uk].



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].



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, francisco_barrantes@uca.edu.ar].





2003: BATE, Christopher Michael (b1943), 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].



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].



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].



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].



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].



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].



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].

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, *Heart and Lung Research Institute, University of Cambridge, Biomedical Campus, Papworth Road, Trumpington, Cambridge CB2 0BB*; Email 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; 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].



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, anny.cazenave@cnes.fr].



2019: CHEETHAM, Sir Anthony Kevin (b 1946), PhD, DSc (*bc*), 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].



2000: COHEN-TANNOUJJI, 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 Cordelières, 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].





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, National Academy of Inventors, 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].



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>].



2023: FAYER, MICHAEL D (*b* 1947), PhD, Sp: Physical Chemistry; FRSC, FAPS, FNAS-USA, FAAAS FOSA, David Mulvane Ehrens and Edward Curtis Franklin Professor of Chemistry, *Department of Chemistry, Stanford University, Stanford, CA 94305-5080* [Tel 1 650 723-4446 (O); Email fayer@stanford.edu]; **Medal:** William F. Meggers Award (OSA), Peter Debye Award in Physical Chemistry (ACS), Ahmed Zewail Award in Ultrafast Science and Technology (ACS), Arthur L. Schawlow Prize in Laser Science (APS), Ellis R. Lippincott Award (OSA), E. Bright Wilson Award for Spectroscopy (ACS), Earl K. Plyler Prize for Molecular Spectroscopy (APS), Pittsburgh Spectroscopy Award (SSP).



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@partner.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>].



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 jorg.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); 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, FREng, FTWAS, FTSE, 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].



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; Web <http://steele.mgh.harvard.edu>].

2023: JOHN, Sajeev (b 1957), PhD, Sp: Theoretical Physics; FRSC, FAPS, FOSA, Professor, *Department of Physics, University of Toronto, Toronto, Ontario, Canada M5S1A7*; 1087 Staghorn Court, Mississauga, Ontario, Canada L5C3R2; [Tel 1 416 978 3459 (O); Email john@physics.utoronto.ca]



1996: JORTNER, Joshua (b 1933), PhD Sc (*hc*), 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; Web www.tau.ac.il/chemistry/jortner].



2014: KAILATH, Thomas (b1935), ScD, Sp: Information Systems (Communications, Control, Computing, Signal Processing); FASc, FNASc, FNAE, FTWAS, US National Medal of Science, Member, US National Academy of Sciences, US National Academy of Engineering, 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 Drive, Atherton, CA 94027-2116 [Tel (001-650) 494-9401 (O); Email kailath@stanford.edu, profkailath@yahoo.com; Web www.stanford.edu/~tkailath].



2013: KLEINER, Matthias (b 1955), PPhD, 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 (2018-2022); President, German Research Foundation (DFG) (2007-2012), Member of the Scientific Council of the European Research Council (ERC) (2012-2016); President, Leibniz Association (2014-2022), *Baroper StraÙe 244, D-44227 Dortmund, Germany* [Email matthias.kleiner@udo.edu].



2023: Knust, Elisabeth (b 1951), PhD, Sp: Developmental Biology, Cell Biology, Genetics; Professor, *Max-Planck-Institute of Molecular Cell Biology and Genetics Pflotenhauerstr. 108, 01307 Dresden; Germany*; Ludwig-Hartmann-Str. 18 01277 Dresden; Germany [Tel 49-351-31 395 440 (O); 49-171-55 68 205 (M); Email knust@mpi-cbg.de].





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:** J.L. 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. Med. Sci., UK; Professor; *Yusuf Hamied Department of Chemistry, Cambridge University, Lensfield Road, Cambridge CB2 1EW, UK*; [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 3 PU, UK* [Tel 44 (0) 1865 273996; 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), Honorary Member Japan Academy, 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].



2023: McNutt, Marcia Kemper (b 1952), PhD, Sp: Geophysics; FCASc, President, *National Academy of Sciences, 500 Fifth Street NW Washington, DC 20001; 11119th Street North, #2003, Arlington, VA 22209* [Tel 1(202)334-2101 (O); Email mmcnutt@nas.edu].



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].



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 Mukongaoka Uenoshiba Sakai-shi, Osaka, 543, Japan* [Tel (0722) 781-606 (R); Email 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; 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].





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].



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].



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].



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].



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].



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].

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 / Zepler 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].



1991: PEACOCK, William James (*b* 1937), AC, PhD, DSc Ag (*bc*), DSc (*bc*); 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, Nabimonskii 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, Shabeed 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:** JL Nehru Birth Centenary (2016).



2022: RAMESH, Ramamoorthy (*b* 1960), PhD, Sp: Condensed Matter Physics, Materials Science, Fellow, *National Academy of Engineering, USA*, FRS, Vice President for Research, Rice University, Houston, TX 77005; Email: rr73@rice.edu; Phone: 713-348-5295.



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-Cratonle, 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, 1037 Cy Ann Drive, Town and Country, Missouri 63017-8402*, USA [Tel (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@colostate.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].



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 rima@img.cas.cz].



2019: SACHDEV, Subir (*b* 1961), PhD, Sp: Condensed Matter Theory; Fellow, US National Academy of Sciences, American Academy of Arts and Sciences, American Physical Society, Herchel Smith Professor of Physics, *Department of Physics, Harvard University, Cambridge, MA 02138, USA* [Tel (617) 495-3923; Email 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; 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]; **Lecture:** Jagadis Chandra Bose Memorial (2022).





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].



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, Chernogolovka Moscow region 142432, Russia* [Tel 7 (495) 959-3198 (R), 7 (916) 597-5427 (M); Email 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, Karl-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].



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; 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].



2010: TAKEDA, Yoshifumi (b 1935), MD, PhD, Sp: Bacterial Enteric Toxins and Diarrhoeal Diseases; Emeritus Member, National Institute of Infectious Diseases; *2-1-3 Nukuikitamachi, Koganei, Tokyo 184-0015, Japan* [Email 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 1AA, UK; *15, Bittacy Park Avenue, London NW7 2HA, UK* [Tel (44-20) 8346-6291 (R); Email jrtata134@clara.co.uk, 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; 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].



1994: VIJH, Ashok Kumar (*b* 1938), OC, CQ, KC StJ, PhD, LLD (*bc*), DSc (*bc*), 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].



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, 12 Oxford Street, Cambridge, MA 02138-2902, USA* [Tel (617) 495-9430 (O); Fax 495-9857; Email gwhitesides@gmwgroup.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].



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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].



1990: WÜTHRICH, Kurt (*b* 1938), DPhil, DPhil (*b*), D Med (*b*), D Chem (*b*), D Sci (*b*), Dr (*b*), 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]; 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].

1991: WYLLIE, Peter John (*b* 1930), PhD, DSc (*bc*), 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 wyllie@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, Beisban 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, Wireless Systems; Hall of Fame - US Govt. Patent Office and Wireless History Foundation, IEEE AG Bell Medal, Padma Bhushan, Marconi Fellow, FNAE, FNASc, FASc, FTWAS, FIEEE, FAAAS, FCAE, FIVA, Member, US National Academy of Engineering, Fellow, American Academy of Arts and Sciences, 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 <https://apaulrajpeople.sites.stanford.edu/>].



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:** Mem 2022-.

FELLOWS ELECTED 2022

(Effective from 01 January 2023)

Achanta, Venu Gopal (*b* 15.01.1972), PhD, Professor, Department of Condensed Matter Physics and Material Science, Tata Institute of Fundamental Research, Mumbai.

Professor Achanta has the demonstrated truly broadband, dispersionless and polarization independent plasmonic and all-dielectric metamaterials. He has also a world class group engaged in the design, nanofabrication and spectroscopy in the far- and nearfields of single nanoparticle to study plasmon mediated optical, electrical and magneto-optical properties of materials.

Aggarwal, Amita (*b* 31.12.1960), MBBS, MD, DM, Professor and Head, Department of Clinical Immunology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow.

Prof. A. Aggarwal is a clinician scientist, who works in the field of rheumatic diseases and has made substantial contributions to understanding the pathogenesis of Enthesitis related arthritis (ERA), a form of juvenile arthritis seen more often in India than developed countries. She is a global leader in the discipline of pediatric Rheumatology, who has also trained a whole cadre of younger colleagues.

Agrawal, Amit (*b* 07.10.1974), PhD, Professor, Department of Mechanical Engineering, Indian Institute of Technology Bombay, Mumbai.

For his significant contributions to the fundamental understanding of specific aspects of Fluid Mechanics and Heat Transfer. He has developed micro devices for blood-plasma separation; for three-dimensional hydrodynamic focusing, and for maintaining constant device wall temperature. He provided analytical solution of the Burnett equation (a higher-order continuum transport equation).

Ashraf, Mohammad Zahid (*b* 02.02.1973), PhD, Professor and Head, Department of Biotechnology, Jamia Millia Islamia, New Delhi.

Professor MZ Ashraf's research is central to understanding the role of high-altitude hypoxia in the development of cardiovascular and blood clotting disorders. His work has directly impacted the well-being of armed forces that protect India's northern borders. His exceptional efforts have increased our understanding on prevalence, mechanism, genetic, diagnostic, and development of treatment against hypoxia-induced thromboembolic disorders.

Bandyopadhyay, Arun (*b* 25.09.1963), PhD, Director, CSIR-Indian Institute of Chemical Biology, Kolkata.

Arun Bandyopadhyay has made significant contributions in the area of cardiovascular diseases. He demonstrated the molecular basis of mitochondrial adaptation in cardiomyocytes and the mechanism

of dysregulation of cholesterol transport in the pathogenesis of atherosclerosis. He established that the SUMOylation of PARIS, a zinc finger binding protein, represses transcription of PGC1-alpha thereby playing a crucial role in mitochondrial biogenesis. He has developed a few lead molecules related to the therapeutic management of respiratory diseases.

Banga, Surinder Singh (*b* 06.08.1955), PhD, Professor (Honorary Adjunct), Department of Plant Breeding and Genetics, Punjab Agricultural University, Ludhiana.

Dr. S.S. Banga is an accomplished plant breeder and a geneticist who has made immense contributions in areas of basic as well as applied research, leading to development of 16 improved varieties/hybrids of rapeseed mustard. Some of these varieties are high yielding and resistant to biotic and abiotic stresses and have determinate growth habit for uniform maturity. His contribution to understanding the Brassica genetics is noteworthy.

Bhujanga Rao, Vepakomma (*b* 10.10.1951), PhD, DSc, ISRO Chair Professor, National Institute of Advanced Technologies (NIAS), Bengaluru.

Dr V Bhujanga Rao has had a distinguished career in DRDO for over forty years and superannuated in 2015 as Distinguished Scientist & Director General for Naval Systems and Materials. He has stellar accomplishments to his name in acoustic science and engineering and its underwater applications by the Indian Navy. Equally important are his continuing efforts to discharge his social responsibility by using his competence in the area to fill an important unmet need of India, of giving hopes to millions of children who are born deaf. These achievements make him singularly suited for election under this special category.

Das, Samar Kumar (*b* 22.01.1963), PhD, Professor, University of Hyderabad, Hyderabad.

Prof. Das has contributed significantly in the area of functional inorganic materials based on polyoxometalates, metal carboxylates, metal organic framework containing compounds, metal coordination complexes including dithiolate ligands, and have applied those for sensing / detection of toxic substances, chiral separation, proton conductivity and electrocatalysis including electrocatalytic water splitting and oxygen reduction reaction.

Dasika, Nagesh Kumar (*b* 15.07.1963), PhD, Professor Satish Dhawan Chair Professor, Department of Civil Engineering, Indian Institute of Science, Bengaluru.

Prof. Nagesh Kumar has made several important research contributions in developing multi-objective multi-reservoir operations models using evolutionary algorithms, considering different inflow and demand scenarios due to climate change and has developed a new approach to validate microwave satellite soil moisture retrievals using precipitation data.

Gadiyara Chakrapani, Anupama (b 04.08.1961), PhD, Senior Professor and Dean, II A, Indian Institute of Astrophysics, Bengaluru.

Professor Anupama is among India's leading observational astronomers, with an exemplary emphasis on using Indian telescopes, and facility development. Her work on recurrent novae clearly established the presence of a white dwarf primary, a result of great importance for progenitors of type Ia supernovae, the distance markers of the universe.

Ganesan, Venkatasubramanian (b 24.01.1975), MD, PhD, Professor of Psychiatry, Head, Department of Clinical Neurosciences, National Institute of Mental Health and Neurosciences (NIMHANS), Bengaluru.

Dr. G. Venkatasubramanian is a psychiatrist who has made seminal contributions to the neurobiology of schizophrenia and the pathogenesis of hallucinations in schizophrenia. He unveiled the influence of brain-derived neurotrophic factor deficits in the genesis of schizophrenia and showed evidence of neuro-immunological mechanisms. He has also led efforts to optimize treatment of schizophrenia and pioneered the development of transcranial Direct Current Stimulation (tDCS).

Ganesh, Subramaniam (b 23.05.1968), PhD, Deputy Director, Department of Biological Sciences and Bioengineering, Indian Institute of Technology, Kanpur, Kanpur.

Professor S. Ganesh has made pioneering contributions to the study of Lafora Disease, a monogenic fatal neurodegenerative disorder. His work has delineated pathway defects and tested experimental therapy in animal models. His work explains why neurons do not store glycogen, and why degenerating neurons have glycogen accumulation.

Ghorpade, Sudhir Ramakant (b 03.08.1963), PhD, Professor, Department of Mathematics, Indian Institute of Technology, Bombay, Mumbai.

Sudhir R. Ghorpade has made significant contributions to several areas straddling across pure and applied mathematics, especially algebraic geometry and coding theory. His most noteworthy works include the following: Definitive answers to several questions of Abhyankar concerning Young tableaux and determinantal varieties, extension of Deligne's inequality for arbitrary complete intersections over finite fields, an effective version of Lang-Weil inequality, proof of a conjecture of Lang and Weil, extensive study of linear codes associated to Grassmann, Schubert and Veronese varieties, settling the Tsfasman-Boguslavsky Conjecture in the negative and then proposing newer conjectures for the maximum number of zeros of systems of homogeneous polynomials of a given degree over a finite field, and proving these conjectures in many cases.

Goswami, Debashish (b 30.10.1972), PhD, Professor (HAG), Indian Statistical Institute, Kolkata.

Debashish Goswami has made outstanding contributions to the general area of NonCommutative Mathematics viz. Noncommutative Geometry and Stochastic Processes, with deep applications of Operator algebra and Differential Geometry. His recent work on the the issue of the non-existence of "truly Quantum Isometry" in connected classical manifolds have established Prof. Goswami as a world-leader in this broad area.

Gromiha, M Michael (b 26.06.1967), PhD, Professor, Department of Biotechnology, Indian Institute of Technology Madras, Chennai.

Dr. Michael M. Gromiha is internationally recognized for his contribution in developing algorithms, software tools and application of artificial intelligence and machine learning in bioinformatics data. His work on long-range order provided an insightful concept in understanding protein folding. He has worked on the elucidation of binding parameters in macromolecular recognition, prediction of aggregation propensity of peptides. His recent work has focused on structure-based drug design.

Guha, Debatosh (b 26.01.1963), PhD, Professor, Institute of Radio Physics and Electronics, University of Calcutta, Kolkata.

For his original and pioneering research with wide-ranging contributions to microstrip and dielectric resonator antenna technologies and defected ground structures on microstrip antennas.

Gupta, Yashwant (b 01.11.1962), PhD, Centre Director and Distinguished Professor, National Centre for Radio Astrophysics, Tata Institute of Fundamental Research, Pune.

Professor Gupta has made outstanding contributions in radio astrophysics, that are recognized worldwide: (i) landmark research in the areas of pulsars and interstellar medium, (ii) stellar role in the original construction and recent upgrade of India's GMRT facility and (iii) leading India's participation in the upcoming international SKA observatory.

Jhala, Yadvendradev Vikramsinh (b 27.02.1962), PhD, Dean & Senior Professor, Wildlife Institute of India, Dehradun.

For his outstanding contribution to and leadership in the field of tiger ecology, conservation and management. Prof. Jhala's research spans an array of topics including ecology, behaviour, genetics, evolution, participatory conservation and policy on tigers, lions and other large carnivores. His pioneering leadership on the science behind large carnivore census is key to tiger conservation globally. Dr. Jhala has emerged as an important figure in the global effort to conserve, study and manage one of the highest profile endangered species in the world. He has been credibly able to succeed at navigating his outstanding scientific works with the conservation and management of flagship carnivore species in the field.

Joshi, Yogesh Moreshwar (b 29.12.1974), PhD, Pandit Girish & Sushma Rani Pathak Chair Professor and Dean of International Relations, Department of Chemical Engineering, Indian Institute of Technology Kanpur, Kanpur.

For his outstanding contributions in understanding rheology of soft glassy materials utilizing the effective time domain theory or effective time theory supported by rigorous experimental validation to explain linear viscoelasticity and thermo-rheological response. His contributions related to the sol-gel transition, experimental validation of scaling relations and distinction between thixotropy and viscoelasticity are rated very highly.

Kaur, Rupinder (*b* 14.09.1971), PhD, Staff Scientist - VII, Centre for DNA Fingerprinting and Diagnostics, Hyderabad.

Rupinder Kaur made significant contributions to our understanding of fungal virulence mechanisms of *Candida glabrata*, an opportunistic human fungal pathogen. She demonstrated that *C. glabrata* suppressed the pro-inflammatory host immune responses through its cell surface-associated aspartyl proteases. She discovered that *C. glabrata* infection mechanisms include remodelling chromatin, actin cytoskeletal networks, and regulating the trafficking of plasma membrane nutrient transporters in fungal cells. The pioneering work of Dr. Kaur led to the identification of new antifungal targets.

Kumar, Sanjay (*b* 14.02.1963), PhD, Director, CSIR-Institute of Himalayan Bioresource Technology, Palampur.

Dr. Sanjay Kumar has identified a novel carbon fixation pathway coupled to nitrogen assimilation that is operative in plants growing at higher altitudes. Several key genes of the pathway were used to generate transgenic plants that exhibited re-fixation of carbon and nitrogen emitted during photorespiration. This led to improved biomass and yield of the transgenic plants. He has also discovered a very unique superoxide dismutase enzyme that is autoclavable and possesses functionality at sub-zero temperature. He has also pioneered the introduction of Heeng and Monk fruit in the country and empowered farmers for their cultivation through development of agrobiotechnology.

Kundu, Gopal Chandra (*b* 02.11.1959), PhD, Director R&D, KIIT University, Bhubaneswar.

Dr. Gopal Kundu has contributed significantly to the understanding tumor microenvironment heterogeneity and the molecular mechanism by which both tumor and stromal derived osteopontin (OPN) regulates tumor growth and metastatic potential of breast and other cancers. Dr. Kundu has been prolific over the past two decades, publishing in leading cancer journals. He is recognized internationally as evidenced from his high citations and being in the editorial board of a number of front-ranking journals.

Maji, Samir K (*b* 06.03.1974), PhD, Professor, Department of Biosciences and Bioengineering, Indian Institute of Technology Bombay, Mumbai.

Dr. Samir K Maji has made incisive contributions to our understanding of the molecular mechanisms of amyloid formation, in particular involving α -synuclein, and inhibition, and application to design of drugs and functional amyloids.

Malik, Javed Husain Nurmohmed (*b* 24.11.1968), PhD, Professor, Department of Earth Sciences, Indian Institute of Technology Kanpur, Kanpur.

Professor Malik has made significant contributions to the field of paleo seismology to identify paleo-tsunami and paleo-earthquake signatures. He has made substantive contributions to active fault mapping and paleo seismic investigation in NW-Central Himalaya, Kachchh, and Andaman & Nicobar Islands, has identified several new active faults, and the signatures of transoceanic-tsunamis and subduction zone earthquakes to inform seismic hazards assessment.

Misra, Hari Sharan (*b* 22.07.1962), PhD, Head, Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai.

Dr. Hari Sharan Misra has made outstanding contributions in bacterial response to DNA damage repair and multipartite genome biology in bacteria. He has characterized DNA damage and oxidative stress responsive Ser/Thr quinoprotein kinase mediated DNA damage response/cell cycle regulation that seems to be an alternate to LexA/RecA type canonical SOS response. His group has characterized multiprotein complexes and demonstrated their involvements in DNA repair, cell pole determination and maintenance of the multipartite genome system.

Nagendra, Harini (*b* 15.05.1972), PhD, Director, Research Centre and Professor, School of Development, Azim Premji University, Bengaluru.

For her seminal works related to the role of socioecological factors in shaping environmental change by using geospatial technologies to assess this change. Prof. Harini's papers form a powerful exploration of issues of human society and climate change, land-use changes, and the loss of biodiversity, as well as the factors needed to mitigate them. An effective scientist and science communicator, Dr. Harini is internationally recognized for her published works in the world's leading journals. Because of her impactful writings, Dr. Nagendra is one of the best-known sustainability and urban ecology experts in India.

Nair, Deepak Thankappan (*b* 25.10.1973), PhD, Professor, Regional Centre for Biotechnology, National Capital Region Biotech Science Cluster, Faridabad.

Dr. Deepak Nair's work has led to fundamental insights on DNA synthesis. His studies reveal that the proofreading domain of DNA polymerases can remove mis-incorporated damaged nucleotides and ribonucleotides from the primer strand to enhance the fidelity of synthesis. His studies also reveal that pyrophosphate hydrolysis is an intrinsic and critical step in the DNA synthesis reaction catalysed by DNA polymerases.

Palakurissi Balagopal, Sunil Kumar (*b* 30.05.1964), PhD, Professor, Department of Physics, Indian Institute of Technology Madras, Chennai.

Professor Sunil Kumar has made significant contributions to our understanding of lateral organization and factors that determine shapes of multi-component fluid membranes as well as to the organisation cytoskeletal filaments. He was instrumental in the development of computational models that allow for simulation of membranes with anisotropic inclusions, active fluctuations and hydrodynamic interactions.

Pandey, Daya Shankar (*b* 04.08.1961), PhD, Professor, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi.

Professor Pandey has made significant contributions in the area of arene ruthenium chemistry, inorganic metallogelators, organometallic chemistry of dipyrrens, BODIPYs, fluorescent azo-BODIPYs, AIE active PAN-BODIPYs, BODIHYs, luminescent D-A systems, theranostic agents involving arene ruthenium and BODIPY moieties and their applications in diverse areas including live cell imaging, CO₂ detection etc.

Pareek, Ashwani (*b* 27.09.1969), PhD, Professor of Plant Molecular Biology and Biotechnology, Stress Physiology and Molecular Biology Laboratory, School of Life Sciences, Jawaharlal Nehru University, New Delhi.

Professor Pareek made seminal efforts to ensure food and nutritional security in the era of climate change by developing both GM and non-GM-based solutions for salinity or drought-hit lands. His group, through mutation breeding, developed unique stresstolerant, lysine-rich, and high-yielding genotypes of rice. His work unraveled key candidate genes (such as GATA transcription factors and metallothionein) that can be deployed for raising salinity-tolerant crops. His discovery of ‘osmosensor’ was a breakthrough, now translated and technology transferred to a seed company for commercialization.

Paul, Alope (*b* 04.10.1973), PhD, Professor, Department of Materials Engineering, Indian Institute of Science, Bengaluru.

For his seminal work on the development of experimental methodology and theoretical formulation for the determination of diffusion coefficient in a multicomponent alloy system through experiments on pseudo-binary and pseudo-ternary diffusion couples, discovery of bifurcation of Kirkendall markers, and studies correlating the microstructural changes with atomic mobilities in important alloy systems such as super alloys and High Entropy Alloys.

Pradhan, Narayan (*b* 12.10.1972), PhD, Professor, Indian Association for the Cultivation of Science, Kolkata.

Professor Pradhan has demonstrated that Perovskite nanocrystals in solid film can swell horizontally while kept under solvent vapor and connect each other forming single nanocrystal thickness layer film without scarifying their optical properties, and this has been a fundamental development in the area of nanocrystals engineering.

Rajagopal, Subramanyam (*b* 14.06.1970), PhD, Professor, Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Hyderabad.

Professor Subramanyam Rajagopal made outstanding contributions to the area of photosynthesis, particularly the structural and functional dynamics of photosystems (PS) and light-harvesting complexes (LHC) in *Chlamydomonas reinhardtii* and *Arabidopsis thaliana*. He discovered that the LHCB2 subunit got phosphorylated under fluctuating light, triggering dissociation of LHCB2 from PS II and eventual migration to PSI, a phenomenon called state transitions. Based on his studies on the organization of photosynthetic apparatus, under high light and iron deficiency, Prof. Rajagopal proposed a structural model of PSI, accepted by peers.

Ranga, Udaykumar (*b* 03.06.1959), PhD, Professor, HIV-AIDS Laboratory, Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru.

Professor U. Ranga’s research has called attention to several novel and important aspects of HIV-1, Clade C infection, which is responsible for nearly 95% of HIV infections in India (and >50% worldwide). His work includes several seminal academic studies and clinical trials to characterize subtype-associated variations and their impact on HIV-1 pathogenesis, evolution, and fitness.

Rao, Cherukumalli Srinivasa (b 04.10.1965), PhD, Director, ICAR-National Academy of Agricultural Research Management (NAARM), Hyderabad.

Dr. Srinivasa Rao has identified soil, climate and socio-economic indicators for climate vulnerability assessment, and designed and operationalized district contingency plans across the country. He computed critical carbon inputs for sustaining soil health and food production in the rainfed dryland-ecosystems. He studied potassium dynamics in rainfed crops with reference to drought tolerance and identified high-priority districts for potassium application.

Sen De, Aditi (b 01.10.1974), PhD, Professor H, Physics Division, Harish-Chandra Research Institute, Allahabad.

The most significant works of Prof. Sen De, which have implications in quantum computation, cryptography include the discovery of a quantum communication network and its implementations using quantum optics, computable quantum correlation measures and their robustness under decoherence, a method applicable to large superposed systems, and designing quantum technologies like quantum batteries.

Shukla, Arun Kumar (b 01.11.1981), PhD, Joy Gill Chair Professor, Department of Biological Sciences and Bioengineering, Indian Institute of Technology Kanpur, Kanpur.

Dr. Arun K. Shukla has made outstanding contributions to our knowledge about the G protein-coupled receptors (GPCRs), the largest class of drug targets in the human genome. His contributions to fundamental mechanisms of ligand recognition, activation, signalling, and regulatory paradigms of GPCRs are remarkably impressive and reflect his overall eminence globally.

Singh, Gyanendra Pratap (b 17.03.1964), PhD, Director, ICAR- Indian Institute of Wheat & Barley Research, Karnal.

Dr. G. P. Singh is an eminent plant breeder. He has developed more than forty wheat and two barley varieties. Wheat varieties developed by him are grown on about fifty percent of the wheat area in the country. Variety HD 3086 developed by him has received several awards for its popularity with farmers. He has also made a breakthrough in developing terminal heat-tolerant wheat varieties for coping with the climate change.

Srinivas, Mandyam Doddamane (b 02.10.1950), PhD, Senior Fellow and Chairman, Centre for Policy Studies, Chennai.

Professor MD Srinivas started his research career as a Theoretical Physicist by working on problems pertaining to the foundations of quantum mechanics. Over a period, his research interests got diversified and today he is one of the world class researchers in the domain of History and Philosophy of Science in India. He is one of the authors of important source works such as Ganitayukti-bhasha and Karanapaddhati. He has published several articles that provide an authentic and comprehensive account of Indian astronomers and mathematicians. Professor Srinivas has launched pioneering studies

on the topic of proofs (upapattis) in Indian mathematics, and epistemology of Indian sciences as founded in the Nyāya School of Indian philosophy and investigation of the untapped wealth of source-texts in Indian astronomy and mathematics.

Srivastava, Pradeep (b 15.03.1971), PhD, Associate Professor, Department of Earth Sciences, Indian Institute of Technology-Roorkee, Roorkee.

Professor Pradeep Srivastava has contributed to our understanding of the Quaternary evolution of Himalaya and its foreland through unparalleled records of fluvial processes across Himalaya. His work has fundamental implications towards understanding of Himalaya as a critical taper coulomb wedge. Dr Srivastava also developed the first chronologically constrained evolutionary model of Ganga Plain, produced 100 ka history of stratigraphy of Ganga foredeep and identified youngest cycle of peripheral bulge unconformity. His recent work in Himalaya provides geological evidences of gross reorganization of Indian climate system from being glacial bound to ENSO bound and that the solar insolation plays an important role.

Srivastava, Rajesh K (b 30.06.1961), PhD, Professor, Centre of Advanced Study in Geology, Banaras Hindu University, Varanasi.

Professor Rajesh K. Srivastava has made substantive contributions to studies on mafic dyke swarms, boninite, alkaline and carbonatite magmatism from the Indian Shield through novel approach involving petrological, geochemical, geochronological and isotope tracers. His contributions have profound global impact on the understanding of subcontinental mantle reservoirs, large igneous provinces, Precambrian tectonics and supercontinent reconstruction.

Tamang, Jyoti Prakash (b 16.11.1961), PhD, Professor, Department of Microbiology, Sikkim University (Central University), Gangtok, Sikkim.

Dr. Tamang has conducted pioneering studies towards understanding microbial composition and delineating health benefits of fermented foods and beverages from North east India and the greater eastern Himalayan region. In this work he has combined classical microbiological methods with advanced molecular tools, including microbiome analysis, to characterize microbes that are present in the starter cultures and fermented foods to contribute to their health benefits.

Tandon, Nikhil (b 28.11.1963), PhD, Professor and Head, Department of Endocrinology and Metabolism, All India Institute of Medical Sciences, New Delhi.

Professor Nikhil Tandon is a clinician scientist who has used his clinical expertise to gather data generated from large scale epidemiological and translational intervention studies towards improved delivery of care of non-communicable diseases (NCD). He has made innovative use of a combination of “technology” and “task shifting” to bring about health systems alignment at the community and programme level.

Tharmalingam, Punniyamurthy (b 03.06.1964), PhD, Dean of Faculty Affairs and Professor of Chemistry, Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati.

Professor Punniyamurthy has made a significant contribution for the regio- and stereoselective carbon-carbon and carbon-heteroatom bond formation for the construction of medicinally important heterocyclic scaffolds using transition-metalcatalyzed C-H functionalization, cascade and cross-coupling approaches.

Trivedi, Vijaylaxmi Girijashankar (b 14.03.1966), PhD, Professor (H), School of Mathematics, Tata Institute of Fundamental Research, Mumbai.

Trivedi's contribution begins with a correction and extension of a result by Flenner on Bertini type Theorems. She has also proved that there are only finitely many Hilbert Functions among local Cohen-Macaulay rings with given multiplicity. She introduced the concept of Hilbert Kunz Density function to study the Hilbert Kunz multiplicity and computed it in a few cases.

Verma, Kaushal Kumar (b 07.03.1971), PhD, Professor, Department of Mathematics, Indian Institute of Science, Bengaluru.

Kaushal Verma has made outstanding contributions in the area of several complex variables, more precisely, analysis on and geometry of bounded domains of dimension higher than one. He has obtained deep results on the extension of holomorphic and CR maps between domains using techniques from functional analysis, a classification theorem for domains in C^2 having non-compact automorphism groups, including restrictions on which dimensions can occur, complex dynamics and ergodic properties families of holomorphic maps, etc. He has also obtained deep results on invariant distances on pseudoconvex domains. All these constitute a solid body of work in various aspects of several complex variables which are highly regarded for their depth and significance.

Yendluri, Shanthi Pavan (b 01.06.1973), PhD, NT Alexander Institute Chair Professor and Dean (Academic Research), Department of Electrical Engineering, Indian Institute of Technology Madras, Chennai.

For his fundamental and influential contributions to analog and mixed-signal integrated circuits through innovations in the understanding and design of continuous-time deltasigma modulators for high precision analog to digital conversion.

Yusuf, Sheikh Mohammad (b 03.03.1965), PhD, Associate Director, Physics Group, Bhabha Atomic Research Centre, Mumbai.

Dr. Yusuf, through his neutron scattering work, has made incisive contributions to the fundamental understanding of magnetic phenomenon/ordering in low dimensional magnetism, magnetization reversal, exchange-bias switching, molecular magnetism, manganites, high magnetocaloric materials, magnetic proximity effect, and multiferroics. He has also built an innovative neutron instrument for magnetic scattering.

FOREIGN FELLOWS ELECTED 2022

(Effective from 01 January 2023)

Fayer, Michael D (*b* 12.09.1947), David Mulvane Ehram and Edward Curtis Franklin Professor of Chemistry, Department of Chemistry, Stanford University, Stanford, CA 94305-5080, USA.

Professor Fayer opened a new era of spectroscopic research on the dynamics of complex molecular materials by his ground-breaking ultrafast nonlinear experiments. He expanded the field from visible to infrared multidimensional techniques, pursuing fundamentally important problems. His work in the visible and IR spread widely, stimulating and extending the fields.

John, Sajeev Oommen (*b* 04.04.1957), University Professor, Department of Physics, University of Toronto, Toronto, Ontario M5S1A7, Canada.

Professor Sajeev John invented the concept of classical wave localization and photon localization. His “photon-atom bound state” has allowed for the emergence of a new paradigm in quantum electrodynamics. Professor John’s invention and development of light trapping crystals has led to life-saving laser surgeries using photonic band gap fibers. His numerical demonstration of flexible thin-film silicon, photonic crystal solar cells has shown unprecedented power conversion efficiency, beyond 30% and sparked intense innovation in the photovoltaics community. This is revolutionary in our battle against climate change.

Knust, Elisabeth (*b* 09.01.1951), Professor Dr. Rer. Nat, Max-Planck-Institute of Molecular Cell Biology and Genetics, Pfotenhauerstr, 108, 01307 Dresden, Germany.

Professor Knust’s work focuses on questions of cell polarity and how this is established during development and maintained during homeostasis to guarantee the cell’s functions. She studied mainly three cell types in *Drosophila*: epithelia cells, neuronal stem cells, and photoreceptor cells with the aim to unravel the mechanisms by which multiprotein complexes become asymmetrically localized, to determine the role of their individual components, and to understand how these membrane-associated protein complexes control polarized cell function. She has made seminal contributions to elucidate basic principles of the function of two important, evolutionarily conserved protein complexes, the Crumbs- and the Par- complex. Her work is also directly relevant for medicine, shown by the fact that mutations in some of the genes involved in cell polarity and splicing lead to blindness in flies and zebrafish.

McNutt, Marcia Kemper (*b* 19.02.1952), President, National Academy of Sciences, 505 5th St. NW, NAS 215, Washington, DC, 20001, USA.

Professor McNutt made fundamental contributions to what are now viewed as accepted theories of how plates deform under loading on geologic time scales. Later, she played a leadership role confronting the challenges of estimating the leak rate of the Deepwater Horizon oil spill and helping to contain the blowout. She took the lead in publishing the new methods that she and her collaborators developed that became essential tools in the growing field of disaster response science. She also launched the Strategic Sciences Group, which was codified into the US government's disaster response, and reactivated for Superstorm Sandy and other emergencies.

Withers, Philip John (*b* 11.05.1963), Regius Professor of Materials, University of Manchester, Royce Hub Building, Manchester, M139PL, United Kingdom.

Professor Withers' has pioneered the use of neutron, synchrotron X-ray diffraction and correlative tomography linking X-ray and electron imaging techniques, to follow the behaviour of engineering and natural materials in real time and in three- dimensions across different length scales, often as they operate under demanding conditions. He is one of the leading experts on the measurement of, and the effect of, residual stresses on the performance of engineering materials. His work on residual stress mapping across different length scales, has supported the safe introduction of solid state welding processes by Rolls-Royce and others. His work has shed new light on the mechanisms of ductile failure, fracture, fatigue, thermochemical cycling and the corrosion/degradation of metals and alloys, composites and coatings.

FELLOWSHIP–SECTIONAL COMMITTEEWISE

SECTIONAL COMMITTEE – I

Mathematical Sciences: Applied Mathematics, Pure Mathematics, Theoretical Computer Science, Statistics and Operations Research

Total Fellows: 82

Name	Specialization
Adimurthi A	Partial Differential Equations
Agrawal M	Theory of Computation
Athreya Siva R	Mathematical Sciences
Balaji V	Mathematics
Balasubramanian R	Theory of Numbers
Bambah RP	Number Theory and Discrete Geometry
Bapat RB	Combinatorial Matrix Theory, Generalised Inverses
Bhat BVR	Mathematics
Bhatia R	Mathematics: Matrix Analysis, Functional Analysis, Harmonic Analysis
Bhattacharyya T	Functional Analysis
Bhatwadekar SM	Commutative Algebra and Algebraic Geometry
Bhosle UN	Algebraic Geometry
Bhutani OP	Applied Mathematics, Symmetries and Differential Equations
Biswas I	Algebraic Geometry
Bose Arup	Statistics and Probability
Bujurke NM	Applied Mathematics, Fluid Mechanics, Computational Techniques, Krylov Subspace Methods, Wavelets, Physiological Fluid Flows
Chandran Leela Sunil	Graph Theory, Combinatorics
Chaudhuri P	Statistics
Dani SG	Ergodic Theory, Lie Groups, Probability Measures on Groups, History of Mathematics
Ghate EP	Mathematics (Number Theory)
Ghorpade SR	Algebraic Geometry, Coding Theory, Combinatorics and Commutative Algebra
Goswami D	Mathematics
Gurjar RV	Algebraic Geometry, Commutative Algebra
Hans-Gill RJ	Geometry of Numbers, Number Theory, Discrete Geometry
Jain PC	Numerical Mathematics, Computational Algorithms

Name	Specialization
Joseph KT	Hyperbolic Conservation Laws and Parabolic PDES, Boundary Layers and Delta Shocks
Kannan V	Mathematical Analysis & Topology
Karandikar RL	Probability and Statistics
Khanduja SK	Algebra, Algebraic Number Theory
Kunnath S	Partial Differential Equations
Mahan MJ	Hyperbolic Geometry, Geometric Group Theory, Topology of Algebraic Varieties
Misra G	Operator Theory
Mukerjee R	Statistics (Design of Experiments, Asymptotic Theory, Survey Sampling)
Mukunda N	Mechanics, Optics, Mathematical Physics
Munshi R	Number Theory
Nadkarni MG	Harmonic Analysis & Ergodic Theory
Nagaraj DS	Algebraic Geometry
Natarajan S	Number Theory
Nitsure Nitin	Mathematics
Nori MV	Algebraic Geometry, Commutative Algebra
Parameswaran AJ	Algebraic Geometry
Paranjape KH	Geometry
Parimala R	Algebra
Parthasarathy KR	Probability Theory & Quantum Information Theory
Parthasarathy R	Representations of Lie Groups
Parthasarathy T	Game Theory & Mathematical Programming
Prakasa Rao BLS	Mathematical Statistics
Prasad Dipendra	Automorphic Form, Number Theory
Prasad G	Lie & Algebraic Groups
Prasad P	Theory of Wave Propagation, Partial Differential Equations & Fluid Dynamics
Radhakrishnan J	Theoretical Computer Science, Complexity Theory, Discrete Mathematics
Raghunathan MS	Lie Groups, Algebraic Groups, Discontinuous Groups
Raghuram Anantharam	Number Theory, Representation Theory, Automorphic Form, Special Values of L-Functions, Cohomology of Arithmetic Groups
Rajan CS	Arithmetic Geometry, Automorphic forms, Representation Theory
Ramachandran B	Analytical Probability Theory
Ramadas TR	Algebraic and Differential Geometry, Mathematical Physics
Ramanan S	Algebraic & Differential Geometry
Ramdorai Sujatha	Algebra, Geometry, Number Theory
Rao CR	Statistics & Matrix Algebra

Name	Specialization
Rao Ravi A	Classical K-Theory
Roy Rahul	Mathematics
Sankaran P	Topology, Representation Theory
Sharan Maithili	Applied Mathematics: Atmospheric Science: Air Pollution
Sharma VD	Quasilinear Systems of Hyperbolic Partial Differential Equations and Nonlinear Wave Phenomena
Shorey TN	Number Theory
Singh AI	Functional Analysis, Harmonic Analysis, Quantum Information Theory
Singh Balwant	Algebraic Geometry & Commutative Algebra
Singh MP	Applied Mathematics, Air Pollution Modelling and Biofluid Dynamics
Singh SJ	Theoretical Seismology & Applied Mathematics
Singhi NKM	Discrete Mathematics & Computer Science
Sinha KB	Spectral Theory and Non-Commutative Geometry & Stochastic Processes
Sridharan R	Algebra
Srinivas V	Algebra, Algebraic Geometry
Sunder VS	Subfactors, Operator Algebras, Functional Analysis
Suresh V	Algebra and Algebraic Geometry
Thangavelu S	Harmonic Analysis
Trivedi VG	Commutative Algebra, Algebraic Geometry
Veerappa Gowda GD	Partial Differential Equations in Particular, Conservation Laws and Hamilton-Jacobi Equations, Theory and Numerics
Venkatachalappa M	Applied Mathematics: Fluid Mechanics, Magnetohydrodynamics
Venkataramana TN	Algebraic Groups, Arithmetic Groups, Automorphic Forms
Verma JK	Mathematics (Algebra)
Verma KK	Complex Analysis

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: 151

Name	Specialization
Achanta VG	Sub-Wavelength Materials for Nanophotonics and Information Processing
Agarwal GS	Quantum Optics, Nano Photonics, Plasmonics
Agarwal BK	Condensed Matter Physics, Nanostructures and Superconductivity
Ananthakrishna G	Theoretical Materials Science and Condensed Matter Physics

Name	Specialization
Ananthakrishnan S	Radio Astronomy
Antia HM	Physics and Numerical Techniques
Ayyub P	Condensed Matter Physics (Nanostructured Materials)
Aziz T	Experimental High Energy Physics
Banerjee Sunanda	Experimental High Energy Physics
Barma M	Statistical Physics
Baskaran G	Condensed Matter Physics, Statistical Mechanics and Theoretical Biology
Bhat SV	Physics of Materials
Bhatnagar AK	Experimental Solid State & Materials Science, Superconductivity and Magnetism, Glasses, Films & Nano Materials
Bhattacharjee SM	Theoretical Condensed Matter Physics
Bhattacharyya G	High Energy Physics (Theory)
Bhawalkar DD	Lasers and their Applications
Budhani RC	Physics, Physics of Quantum Materials (Superconductivity and Magnetism in Low Dimensional Systems)
Buti B	Plasma Physics
Chaddah P	Condensed Matter Physics
Chakrabarti BK	Statistical and Condensed Matter Physics
Chaplot SL	Condensed Matter Physics
Chengalur JN	Astronomy
Chidambaram R	Materials Science and Crystallography, High Pressure Physics and Nuclear Technology
Choudhuri AR	Theoretical Astrophysics, Solar Physics, Magnetohydrodynamics, History of Science
Choudhury D	Theoretical High Energy Physics
Chowdhury D	Statistical Physics, Biological Physics
Cowsik R	Astrophysics, Elementary Particles, Cosmology and Gravitation
Damle Kedar	Condensed Matter and Statistical Physics
Das Amita	Physics
Das SP	Theoretical Condensed Matter Physics, Statistical Physics
Dasannacharya BA	Condensed Matter Physics, Neutron and X-ray Scattering
Dasgupta C	Theoretical Condensed Matter Physics and Statistical Mechanics
Datta A	Particle Physics
Dattagupta S	Structure and Dynamics of Condensed Matter
Dhar A	Statistical Physics
Dhar Deepak	Statistical Physics
Dhurandhar SV	Gravitational Waves and General Relativity
Dighe A	High Energy Physics
Gadiyara Chakrapani A	Astronomy & Astrophysics

Name	Specialization
Gavai RV	Theoretical High Energy Physics, Quantum Field Theory on Lattice, Quark-Gluon Plasma, Heavy-Ion Collisions and Phase Transitions in Early Universe
Ghosh A	Experimental Condensed Matter Physics at Ultra-low Temperature, Nano Electronics, Semiconductor Physics
Ghosh Aswini	Condensed Matter Physics and Materials Science
Ghosh BG	Condensed Matter Physics
Godbole Rohini M	Theoretical High Energy Physics
Gopakumar R	Theoretical Physics
Goswami Srubabati	High Energy Physics
Gupta LC	Superconductivity, Magnetism in Quaternary Borocarbides and Intermetallics, Nuclear Magnetic/Quadrupole Resonance, m-SR Studies, Valence Fluctuations and Heavy Fermions
Gupta S	Theoretical High Energy Physics, Statistical Mechanics in Quantum Field Theory, Quantum Chromodynamics and Strong Interactions
Gupta SN	High Energy Physics
Gupta Y	Astrophysics
Jayannavar AM	Condensed Matter Physics (Theory)
Jha SS	Solid State Physics & Optoelectronics
Jog CJ	Astrophysics of Galaxies
Joshi PS	Gravitation Theory and Cosmology
Joshipura AS	High Energy Physics
Kailas S	Accelerator Based Nuclear Physics and Applications
Kanjilal D	Material Sciences & Engineering, Condensed Matter Physics, Accelerator Physics
Kapoor SS	Nuclear Physics, Particle Detectors, Particle Accelerators & Applications
Kaul RK	Quantum Field Theory, High Energy Physics & Quantum Gravity
Kaul SN	Condensed Matter Physics, Materials Science, Nanosciences and Nanotechnology
Khare A	Plasma Physics, Statistical Mechanics, Critical Phenomenon
Khare AV	Theoretical Physics
Krishna G	Radio Astronomy and Cosmology (Radio Galaxies and Quasars)
Krishna P	Crystallography, Crystal growth, Education, Science & Society
Krishnamurthy HR	Theoretical Condensed Matter Physics, especially Quantum Many-Body Theory & Statistical Physics
Krishnamurthy Manchikanti	Atomic, Molecular, Optical and Plasma Physics
Kulkarni SK	Nanotechnology, Materials Science, Surface Science
Lakshmanan M	Nonlinear Dynamics & Theoretical Physics
Lal Krishan	Physics of Materials

Name	Specialization
Madhusudana NV	Liquid Crystals
Maharana J	String Theory and Quantum Gravity
Maiti K	Condensed Matter Physics
Maiti PK	Physics
Majumder Gobinda	Experimental High Energy Physics
Malik SK	Magnetism, Valence Fluctuation & Superconductivity
Mandal Gautam	Quantum Field Theory, String Theory, Gravitational Physics and Non-equilibrium Phenomena
Mandal Prabhat	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)
Mathews PM	Geodynamics, Relativistic Fields and Stochastic Processes
Mathur D	Atomic, Molecular and Optical Sciences, Biological Physics
Minwalla SN	Theoretical Physics (Gravity, Quantum Field Theory, String Theory)
Mitra P	Theoretical Physics
Mohanty B	Experimental High Energy Physics, Phenomenology of Quark Gluon Plasma, QCD Phase Diagram and Direct Dark Matter Search
Mondal NK	Experiment Particle Physics, Accelerator Based and Non-Accelerator Based Particle Physics and Neutrino Physics
Mukhi Sunil	Theoretical High Energy Physics, String Theory
Nagarajan R	Superconductivity, Valence Fluctuation, Mossbauer Spectroscopy, Instrumentation
Narayan KS	Device Physics, Organic Electronics, Photophysics & Biomolecular Electronics
Narlikar AV	Superconductivity & Nanostructures
Narlikar JV	Cosmology & Theoretical Astrophysics
Nityananda R	Optics, Statistical Physics, Gravitational Dynamics
Padmanabhan J	Solarwind, Space Weather, Solar Radio Studies, Solar Magnetic Fields, Comets
Pal AJ	Organic Electronics, Materials Engineering, Device Physics
Pal MK	Theoretical Nuclear Physics
Palakurissi Balagopal SK	Soft Condensed Matter, Computational Physics, Statistical Physics, Multi-Scale Simulations, Large Scale Parallel Computing
Panda S	Field Theory, String Theory, Supergravity and String Cosmology
Pandey D	Condensed Matter Physics, Material Science, Crystallography, Structural Phase Transitions
Pandit Rahul	Statistical Mechanics of Phase Transitions, Condensed Matter Theory, Spatiotemporal Chaos, Mathematical Models for Cardiac Tissue and Turbulence

Name	Specialization
Pathak KN	Condensed Matter Physics, Solid State Physics
Prakash S	Plasma Physics, Upper Atmospheric Physics and Space Borne Payloads
Puri S	Physical Sciences
Raghunathan VA	Soft Condensed Matter Physics
Rajaraman R	Theoretical Physics, Nuclear Policies
Rajasekaran G	High Energy Physics & Quantum Field Theory
Ramakrishnan TV	Theoretical Condensed Matter Physics and Statistical Mechanics
Ramamurthy VS	Nuclear Physics, Ion Beam Applications, Science & Technology Policy
Ramanamurthy PV	High Energy Astrophysics & Cosmic Rays
Ramaswamy SR	Condensed Matter, Statistical and Biological Physics
Rao Madan	Statistical Physics, Nonequilibrium Statistical Physics, Soft Matter, Biological Physics, Cell and Tissue Biophysics
Ravindra Kumar G	Physics (Nonlinear Optics, Study of Matter in Intense Laser Fields)
Ravindran V	High Energy Physics
Raychaudhuri A	Particle Physics including Astroparticle Physics
Raychaudhuri AK	Physics, Low Temperature Physics, Physics of Nanomaterials, Scanning Probe Microscopy, Sensors, Transnational Research
Rindani SD	Particle Physics
Roy Probir	Astroparticle physics & Particle Physics: Field Theory & Phenomenology
Roy SM	Foundations of Quantum Theory & Particle Physics
Saha-Dasgupta Tanusri	Computational Materials Physics, Electronic Structure
Sahni V	Theoretical Physics
Sampathkumaran EV	Magnetism & Superconductivity
Sanyal MK	Condensed Matter Physics, Surface Physics & Synchrotron X-ray Scattering
Sarkar U	Theoretical Particle and Astroparticle Physics
Sastry S	Statistical Mechanics, Soft Condensed Matter Physics, Chemical Physics
Sen Abhijit	Plasma Physics and Non Linear Dynamics
Sen Ashoke	High Energy Physics
Sen D	Theoretical Condensed Matter Physics, Quantum Field Theory
Sen De A	Quantum Information and Quantum Computation, Quantum Optics, Condensed Matter Physics
Sengupta K	Theoretical Condensed Matter Physics
Sharma SM	Materials Behavior Under High Pressures and Development of Synchrotron Beamlines
Shastry BS	Condensed Matter Theory, Statistical Mechanics

Name	Specialization
Shenoy VB	Condensed Matter Theory
Sikka SK	High Pressure, Shockwaves, Neutron Diffraction & Energy Bands
Simon R	Classical and Quantum Optics, Foundations of Quantum Mechanics, and Quantum Information Theory
Singh KP	Astronomy and Astrophysics
Singh V	Theoretical Physics, High Energy Physics, Foundation of Quantum Mechanics, History and Philosophy of Science
Singh Yashwant	Condensed Matter Theory, Theoretical Biology
Sinha BC	Nuclear Physics, High Energy Physics, Quark Gluon Plasma, Early Universe Cosmology
Sinha KP	Theoretical Research on Various Phenomena and Condensed Matter Nuclear Science
Sinha S	Nonlinear Dynamics, Chaos and Complex Systems
Sodha MS	Plasmas, Optics & Energy
Sood AK	Condensed Matter Physics
Srivastava CM	Ferromagnetic Relaxation & Superconductivity
Srivastava DK	Theoretical Nuclear Physics
Subramanian K	Astronomy and Astrophysics
Sundar CS	Materials Science and Condensed Matter Physics, Positron Annihilation Spectroscopy
Suresh KA	Soft Condensed Matter (Physics of Liquid Crystal and Surface Science)
Trivedi SP	String Theory and Particle Physics and Cosmology
Venkataraman G	Condensed Matter Physics
Verma MK	Turbulence, Plasma Physics, Nonlinear Dynamics
Vijayaraghavan R	Solid State Physics
Viyogi YP	Experimental Nuclear Physics
Wadia SR	String Theory, Quantum Gravity, Statistical Mechanics
Waghmare UV	Theory, Modeling and Simulations of Materials
Yusuf SM	Magnetism, Neutron Scattering, Condensed Matter Physics

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: 139

Name	Specialization
Agarwala UC	Inorganic Chemistry
Ahluwalia JC	Physical Chemistry, Thermodynamics & Biopolymers
Ajayaghosh A	Organic (Materials) Chemistry
Anand Nitya	Medicinal Chemistry
Bagchi B	Physical Chemistry of Condensed Matter, Molecular Relaxation in Liquids, Dynamics of Complex Systems, Biophysics
Balasubramanian KK	Organic Chemistry
Basak A	Organic Chemistry
Basavaiah D	Organic Chemistry: Baylis-Hillman Chemistry and Chiral Catalysis
Baskaran S	Synthetic Organic Chemistry
Bera JK	Inorganic Chemistry
Bhaduri S	Inorganic and Organometallic Chemistry and Catalysis
Bharadwaj PK	Supramolecular Chemistry
Bhattacharya S	Chemical Biology, Supramolecular Chemistry and Nano Materials
Bhattacharyya AJ	Materials and Physical Chemistry, Energy
Chadha MS	Organic and Bio-Organic Chemistry
Chakraborti AK	Organic Chemistry
Chakraborty TK	Organic Synthesis, Peptides, Peptidomimetics
Chakravarty AR	Bioinorganic and Medicinal Inorganic Chemistry
Chakravorty A	Inorganic & Structural Chemistry, History of Chemistry
Chandra A	Theoretical Physical Chemistry
Chandrakumar N	Magnetic Resonance Spectroscopy & Imaging, Chemical Physics, Physical Chemistry, Instrumentation
Chandrasekaran S	Organic Synthesis, Organometallic Chemistry, Catalysis
Chandrasekhar J	Computational Chemistry, Drug Discovery Theoretical Organic Chemistry
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

Name	Specialization
Choudary BM	Catalysts and Nano-Materials, Pharmaceuticals
Das Amitava	Chemistry
Das SK	Inorganic 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
Kant Rama	Theoretical and Experimental Electrochemistry, Theoretical Polymer Physics and Complex Systems
Kartha VB	Analytical Spectroscopy, Atomic & Molecular Physics, Laser Biomedical Applications
Kasturi TR	Synthetic & Mechanistic Organic Chemistry
Kessar SV	Synthetic Organic Chemistry
Khan MMT	Inorganic Chemistry, Homogeneous Catalysts
Kotha S	Organic Chemistry

Name	Specialization
Krishnamurthy SS	Inorganic & Organometallic Chemistry
Krishnan V	Inorganic and Bioinorganic Chemistry
Kulkarni GU Rao	Nanomaterials and Self-assembly Routes to Nanofabrication
Kumar Anil	Physical Chemistry, Thermodynamics, Physical-Organic Chemistry
Kumara Swamy KC	Chemistry Inorganic / Organic
Lahiri GK	Inorganic Chemistry
Lakshmi Kantam M	Catalysis, Materials and Process Chemistry
Maitra Uday	Organic Chemistry: Supramolecular Chemistry, Chemistry of Bile Acids, Organo and Hydrogels
Mehta G	Organic Chemistry
Mitra S	Bioinorganic Chemistry, Biological Chemistry
Mittal JP	Radiation & Photochemistry, Chemical Dynamics & Laser Chemistry
Moorthy JN	Physical Organic Chemistry
Moulik SP	Surface & Biophysical Chemistry
Mugesh G	Inorganic Chemistry
Mukherjee D	Theoretical Chemistry, Theoretical Spectroscopy
Mukherjee RN	Inorganic Chemistry, Bio-inorganic Chemistry
Murugavel R	Inorganic Chemistry
Nag K	Inorganic Chemistry
Nagarajan K	Natural Products Chemistry, Medicinal and Pesticide Chemistry
Nangia A	Organic Chemistry, Crystal Engineering, Pharmaceutical Cocrystals
Natarajan S	Inorganic Materials Chemistry
Pal Sourav	Theoretical Chemistry, Electronic Structure Theory, Ab initio Quantum Chemistry
Palaniandavar M	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
Palit DK	Radiation and Photochemistry, Ultrafast Spectroscopy and Chemical Reaction Dynamics
Pandey DS	Chemistry
Pandey GP	Organic Chemistry
Pati SK	Solid State Sciences
Patil Nitin T	Synthetic Organic Chemistry
Periasamy M	Organic Chemistry, Organometallics and Chiral Reagents Chemistry
Periasamy N	Physical Chemistry
Pillai VK	Electrochemistry, Materials Chemistry
Pradeep T	Molecular and Nanoscale Materials, Nanoscience and Nanotechnology, Molecular Surfaces, Low Energy Ion Scattering, Instrumentation; Water Purification

Name	Specialization
Pradhan N	Chemistry
Radhakrishnan TP	Materials Chemistry
Rajappa S	Organic Chemistry
Rama Rao AV	Organic Chemistry, Medicinal Chemistry, Drug Technology, Chiral Synthesis & Technology and Natural Products
Ramaiah NA	Physical Chemistry & Sugar Chemistry
Ramaraj R	Inorganic and Physical Chemistry
Ramasami T	Inorganic and Leather Chemistry
Ramasesha SS	Theoretical Chemistry
Ramaswamy R	Nonlinear Science, Computational Biology and Bioinformatics
Ranu BC	Organic Synthesis, Green Chemistry
Rao CP	Inorganic Chemistry
Rao CNR	Solid State and Materials Chemistry
Rao KJ	Physical Chemistry
Ravikanth M	Inorganic Chemistry
Ray DS	Theoretical Chemistry
Reddy GKN	Coordination Chemistry, Organometallics & Catalysis
Samanta A	Physical Chemistry (Photochemistry, Time-resolved Spectroscopy)
Sampath S	Materials Electrochemistry (Interfacial Chemistry)
Sandhu JS	Organic Chemistry, Bio Organic Chemistry
Sankararaman S	Organic Chemistry, Synthetic & Mechanistic Organic Chemistry
Sarma DD	Electronic Structure of Solid
Sastry GN	Computational Chemistry, Theoretical Chemistry, Computer-Aided Drug Design, Machine Learning & Data Science
Sathyamurthy N	Theoretical Chemistry, Molecular Reaction Dynamics
Sebastian KL	Theoretical Chemistry
Sen Kalidas	Chemical Physics
Shukla AK	Materials Electrochemistry with Special Emphasis on Batteries, Fuel Cells and Electrochemical Supercapacitors
Singh Harjit	Organic Chemistry
Singh HB	Organometallic Chemistry, Inorganic Chemistry
Singh KN	Organic Chemistry
Singh MS	Synthetic Organic Chemistry (Methodology)
Singh VK	Organic Chemistry
Singh V	Organic Chemistry
Sinha APB	Solid State Chemistry
Subba Rao GSR	Organic Chemistry
Subramanian S	NMR, EPR, Theoretical Chemistry, Magnetic Resonance Imaging
Sukh Dev	Organic Chemistry, Natural Products, Drug Discovery, Technology Development

Name	Specialization
Tharmalingam P	Organic Chemistry
Tripathi Pradeep Kumar	Synthetic Organic Chemistry
Vankar YD	Organic Chemistry
Vasudevan S	Physical Chemistry
Venkatesan K	Chemical Crystallography
Verma AK	Transition-Metal/ Superbase-Catalyzed Organic Transformations
Verma S	Bioorganic Chemistry, Chemical Biology
Yadav JS	Organic Chemistry
Yashonath S	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: 75

Name	Specialization
Ahmad T	Igneous Petrology-Geochemistry & Himalayan Geology
Banerjee DM	Precambrian Sedimentology, Sedimentary Geochemistry
Bhandari N	Earth and Planetary Science
Bhardwaj A	Planetary and Space Science
Bhargava ON	Stratigraphy and Structure with Special Reference to the Himalaya
Bhatia SB	Palaeontology, Micropalaeontology & Biostratigraphy
Bhattacharya Abhijit	Petrology, Geochemistry, Tectonics
Bhattacharyya Archana	Ionospheric Physics and Geomagnetism
Dasgupta S	Metamorphic Petrology, Geochemistry, Precambrian Geology
Dasika NK	Civil Engineering
Deb Mihir	Ore Geology, Geochemistry, Precambrian Geology, Mining Environment & Sustainable Development.
Dileep Kumar M	Oceanography, Biogeochemistry
Dimri VP	Geophysics, Inversion, Fractals and Signal Processing
Gadgil S	Atmospheric and Oceanic Science, Evolutionary Biology
Gahalaut VK	Earth Sciences, Seismology, Tectonic Geodesy
Gaur VK	Earth and Planetary Sciences
Gopalan K	Geochronology & Isotope Geology
Goswami BN	Tropical Meteorology, Monsoon Dynamics and Predictability of Weather & Climate
Goswami JN	Solar System Studies, Earth and Planetary Science

Name	Specialization
Gupta Alok Kumar	Experimental Petrology
Gupta Anil K	Micropaleontology, Paleomonsoon and Paleoclimatology
Gupta HK	Seismology, Geophysical Exploration, Ocean Sciences
Haider SA	Planetary Atmospheres, Ionospheres and Magnetospheres, Cometary Coma and Dust
Jain AK	Geology, Structural Geology and Tectonics
Jayananda M	Petrology, Solid Earth Geochemistry & Tectonics
Kamra AK	Atmospheric Sciences
Krishna KS	Lithospheric Dynamics, Tectonics, Plate Tectonics, Marine Geophysics
Krishnamoorthy K	Atmospheric Aerosols, Radiative Forcing
Krishnan R	Atmospheric and Climate Science
Lakhina GS	Geomagnetism and Atmospheric Sciences
Lal Shyam	Atmospheric Science, Ozone and Trace Gases, Air Quality and Climate
Mahajan KK	Radio, Atmospheric and Space Sciences
Malik JHN	Active Tectonics, Paleoseismology, Paleo-tsunami and Archaeoseismology
Mandal N	Structural Geology and Tectonics
Mishra SK	Dynamic Meteorology and Numerical Modelling
Mohanty UC	Tropical Meteorology, Numerical Weather Prediction, Monsoon Dynamics, Meso-scale Modelling of severe weather and Climate Modelling
Mujumdar PP	Hydrology
Mukhopadhyay D	Structural & Precambrian Geology
Naqvi SWA	Aquatic Biogeochemistry, Chemical Oceanography and Paleoceanography
Parthasarathy G	Earth and Planetary Science, Mineralogy, High-Pressure Mineral Physics, Nanogeoscience, Condensed Matter Physics, Materials Science, Environmental Science
Patra AK	Atmospheric and Ionospheric Physics, Radar Probing Techniques
Paul DK	Geochemistry, Isotope Geology and Petrology
Prasad GVR	Vertebrate Palaeontology, Biostratigraphy, Palaeobiogeography, Evolution of Mesozoic Mammals
Rai SS	Geophysical System Modelling, Seismology, Tectonophysics and Geophysical Exploration
Rajamani V	Geochemistry
Rajeevan MN	Atmospheric Science
Rama	Isotope Hydrology
Rao TN	Radar Meteorology

Name	Specialization
Rao NV Chalapathi	Mineralogy, Igneous Petrology, Geochemistry, Geodynamics and Mineral Resources
Rao VP	Marine Geology, Sedimentology
Reddy BM	Atmospheric Sciences & Radio Communications
Reddy CA	Space Physics & Atmospheric Dynamics
Roy AB	Precambrian Geology, Tectonics
Sahni Ashok	Geology, Vertebrate Paleontology & Biostratigraphy
Sain Kalachand	Inversion, Modeling, Advanced Processing & Interpretation of Seismic Data, Machine Learning for Gas-hydrates, Basin Evolution, Geo-tectonics and Earthquake Processes
Sarin Manmohan	Chemical Oceanography, Atmospheric and Aerosol Chemistry
Sarkar Anindya	Stable Isotope Geochemistry, Palaeoclimatology, Geochronology and Sedimentology
Satheesh SK	Atmospheric Aerosol & Climate
Sen Sisir K	Metamorphic Petrology & Geochemistry
Sengupta Pulak	Metamorphic Petrology and Precambrian Geology
Sengupta Sudipta	Structural Geology & Precambrian Geology
Sharma RS	Metamorphic Petrology & Precambrian Geology
Shetye SR	Physical Oceanography
Singh RN	Geophysics, Geophysical, Environmental and Earth System Modelling
Singh Sunil Kumar	Low Temperature Geochemistry, Earth Surface Processes and Biogeochemistry of Trace Elements and Isotopes in Ocean
Singhvi AK	Quaternary Climates and Geochronology, Radiation Effects and Dosimetry
Srinivasan J	Climate Science
Srinivasan R	Precambrian Geology, Sedimentation & Structure
Srivastava DC	Structural Geology, Precambrian Geology and Fluid-inclusions
Srivastava P	Geology
Srivastava RK	Igneous Petrology, Geochemistry, Precambrian Tectonics, and Supercontinent Reconstructions
Tandon SK	Physical Stratigraphy, Quaternary Geology, Fluvial Sedimentology and River Science
Tiwari VM	Geophysics: (Gravimetry, Geodynamics and Hydrology)
Tripathi SN	Atmospheric Sciences, Planetary Atmospheres, Aerosol and Cloud
Venkataraman Chandra	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: 113

Name	Specialization
Agarwal Vivek	Power Electronics
Agarwal A	Mechanical Engineering, Fluid Mechanics and Heat Transfer
Arunachalam VS	Energy Systems and Development, Science, Technology & Public Policy, Materials Science & Engineering, Defence Technologies
Ayappa KG	Chemical Engineering
Balakrishnan N	Information Security, Complex Networks, Computational Electromagnetics, Polarimetric and Doppler Radars
Bandyopadhyay S	Computer Science (Soft Computing, Pattern Recognition and Computational Biology)
Banerjee D	Physical Metallurgy
Banerjee Soumitro	Nonlinear Dynamics
Basu Bikramjit	Biomaterials, Biomedical Engineering and Engineering Ceramics
Bhat Navakanta	Nanoelectronics and Sensors
Bhatnagar Shalabh	Stochastic Approximation Algorithms, Optimization via Simulation, Stochastic Control
Bhattacharyya AB	Micro-Electronics
Bhowmick AK	Polymer Science and Engineering
Biswas G	Heat Transfer, Computational Fluid Dynamics, Fluid Mechanics, Microfluidics
Borkar VS	Analysis and Control of Stochastic Systems
Chakrabarti PP	Computer Science and Engineering
Chakrabarti S	Computer Science, Text and Web Search, Social Networks
Chakraborty S	Microfluidics, Nanofluidics and Microscale/ Nanoscale Transport Processes
Chakravorty D	Materials Science
Chattopadhyay K	Physical Metallurgy and Materials Engineering
Chaudhari RV	Homogeneous & Heterogenous Catalysis, Reaction Engineering, Multiphase Reactors, Biomass Conversion to Chemicals and Fuels
Chaudhuri BB	Computer Science and Engineering
Chaudhuri S	Computer Vision, Image Processing, Machine Learning and Haptics
Chhabra RP	Chemical Engineering
Chockalingam A	Electrical Engineering (Communications)

Name	Specialization
Chokshi AH	Metallurgy and Materials Science
Choudhary VR	Catalysis and Chemical Reaction Engineering
Deb K	Optimization and Evolutionary Computation
Deekshatulu BL	Image Processing, Remote Sensing, Control Systems
Desai UB	Wireless communication, Cyber Physical Systems, Internet of Things (IoT), Signal Processing, Image and Video Processing
Dey GK	Development of Zirconium, Niobium and Nickel Based Alloys, Amorphous Alloys, Electron Microscopy, Joining of Materials
Dey Subhasish	Applied Hydrodynamics, Turbulence, Fluvial Hydrodynamics
Dutta Pradip	Mechanical Engineering (Heat Transfer, Energy Sciences)
Dutta Roy SC	Circuits, Systems & Signal Processing
Ganguly C	Nuclear Fuels & Fuel Cycle, Nuclear Materials and Advanced Ceramics
Ghosh A	Mechanical Engineering
Goel PS	Satellite Control Systems, Space Technology
Govindarajan Rama	Fluid Dynamics
Guha D	Radio Physics and Electronics
Gupta NK	Plasticity and Impact Mechanics
Hari KVS	Signal Processing
Haritsa JR	Computer Science (Database Systems)
Jacob KT	Materials Science and Processing, Thermodynamics of Materials, Phase Equilibria, Materials Extraction, Fuel Cells and Solid State Sensors, High Temperature Corrosion
Jayaram V	Materials Science and Engineering
Jhunjhunwala A	Decentralized Solar Power Systems, Electric Vehicles, Telecommunication, Wireless Communications, Computer Networks, Fibre Optics, Industry-Academia Interaction
Joshi JB	Chemical Engineering
Joshi YM	Chemical Engineering, Rheology, Soft Matter
Kant Tarun	Solid & Structural Mechanics
Kapuria S	Structural Mechanics, Multifunctional Structures
Kasturirangan K	Experimental Astronomy, Satellite Technology & Remote Sensing Systems
Khakhar DV	Chemical Engineering
Krishnan R	Physical Metallurgy, Materials Science
Krupanidhi SB	Physics of Materials, Epitaxial Multi-Component Oxides, Compound Semiconductors, Superlattices, Functional Devices & Applications
Kumar Anurag	Communication Networks: Stochastic Modelling, Analysis, Optimisation and Control Problems arising in Communication Networks (Wireline and Wireless) and Distributed Systems

Name	Specialization
Kumar R	Multiphase Phenomena
Kumaran V	Chemical Engineering
Lele AK	Chemical Engineering, Polymer Science and Engineering
Lele S	Physical Metallurgy & Materials Science
Madras Giridhar	Chemical Engineering
Mahapatra Souvik	Microelectronics and VLSI, Nanoelectronics
Malhotra BD	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
Mallik AK	Vibration Engineering, Kinematics
Mallik RK	Electrical Engineering (Communications)
Manna I	Materials Engineering, Phase Transformation, Surface Engineering, Bainitic Steel, Nanofluid
Mashelkar RA	Polymer Science and Engineering
Mehta NB	Wireless Communications
Mitra S	Machine Learning, Data Science, Deep Learning, Medical Imaging, Bioinformatics
Mittal S	Unsteady Aerodynamics, Finite Elements, High Performance Computing
Munjhal ML	Technical Acoustics, Industrial Noise Control, Automotive Noise Control
Murty BS	Physical Metallurgy, Advanced Materials
Narahari Y	Computer Science and Electronics Commerce, Game Theory
Narasimhan R	Fracture Mechanics, Computational Solid Mechanics
Pai MA	Power System Dynamics, Power System Control & Computation
Pal NR	Computational Intelligence - Fuzzy Logic, Neural Networks and Evolutionary Computing, Machine Learning and Artificial Intelligence
Pal SK	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
Pandit AB	Chemical Engineering, Design of Multiphase Reactors, Bubble Dynamics and Cavitation Phenomena
Patnaik LM	Computer Science and Engineering, Electronics & Information Technology
Paul A	Materials Engineering
Pradip	Materials Science and Mineral Engineering, Particle Science and Technology
Prasad S	Signal Processing & Communications

Name	Specialization
Prasad YVRK	Metallurgical Engineering - Mechanical Metallurgy & Processing
Prathap G	Computational Mechanics, Informetrics
Rajan BS	Electrical Engineering (Communications)
Rajaraman V	Computer Science
Ramamurthy U	Mechanical Behavior of Materials, Advanced Materials and Manufacturing
Ranade VV	Chemical Engineering, Multiphase Reactors, Process Intensification, CFD
Ranganathan S	Physical Metallurgy & Materials Science
Rao PR	Physical & Mechanical Metallurgy
Rao PVS	Computer Science, Artificial Intelligence, Speech & Script Recognition, Natural Language Processing
Rao VR	Nanoelectronics
Ratnasamy Paul	Catalysis
Reddy VU	Signal Processing & Communications
Sarma VVS	Computer Science, Intelligent Systems and Indian Logic
Sen S	Computer Science (Algorithms)
Sharma Anurag	Photonics: Fiber & Integrated Optics, Gradient-Index Optics, Applied Optics
Sharma Ashutosh	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
Sharma MM	Multiphase Reactions and Reactors
Shyamasundar RK	Computer Science
Singh Bhim	Electrical Engineering
Siva Ram Murthy C	Computer Science (Parallel and Distributed Computing, Real-Time Systems, Computer Networks)
Sivaram S	Polymer Science
Sridharan A	Engineering, Properties of Clays
Subbarao EC	Materials Science, R&D Management
Sukhatme SP	Heat Transfer & Energy
Sundararajan G	Surface Engineering & Deformation Behaviour
Surappa MK	Material Processing, Solidification Processing of Metal Matrix Composites, Tribology of MMCs
Venkatesh YV	System Theory, Signal Processing, Machine & Computer Vision and Neural Networks, Biometrics and Hyperspectral Satellite Image Analysis
Vidyasagar M	Machine Learning, Control Theory, Statistical Learning Theory, Computational Biology
Vijay Kumar P	Electrical Communication Engineering: Error-Correcting Codes, Wireless Communication

Name	Specialization
Viswanadham N	Global Supply Chain Ecosystems, Logistics, Platform Business Models, Resilience in Business Ecosystems
Yadav GD	Chemical Engineering, Green Chemistry and Engineering, Catalysis Science and Engineering, Energy Engineering.
Yegnanarayana B	Signal Processing, Speech, Vision, and Neural Networks
Yendluri SP	Analog Mixed-Signal VLSI Design

SECTIONAL COMMITTEE – VI

General Biology: *Taxonomy, Structure, Ecology, Environmental Biology, Evolution and Behaviour of Plants, Animals and Microbes including Unicellular Eukaryotes*

Total Fellows: 64

Name	Specialization
Agrawal M	Ecology and Environmental Science (Air Pollution, Global Environmental Change, Food Chain Contamination)
Bhattacharya Samir	Comparative Endocrinology and Molecular Signaling
Borges RM	Evolutionary Ecology
Datta Munshi JS	Fish & Fisheries, Ecology & Cell Biology
Gadagkar R	Animal Behaviour, Ecology & Evolution
Gadgil MD	Ecology, Environment & Development
Ganeshaiah KNG	Plant Reproductive Ecology, Conservation Biology, Insect Behaviour & Crop Breeding
Gupta PK	Cytogenetics, Plant Breeding & Biotechnology
Jairajpuri MS	Nematology, Parasitology, Taxonomy, Biological Diversity
Jhala YV	Wildlife Ecology, Behaviour, Conservation, Genetics, Population Ecology, Nutrition
Joshi A	Evolutionary Genetics and Population Ecology
Kamboj VP	Drug/Vaccine Development, Reproductive Biology, Contraception and Endocrinology
Kesavan PC	Radiation Biology, Genetics, Biodiversity, Sustainability Science
Kohli RK	Physiological Ecology, Invasion Plant Ecology, Forestry
Kumar HD	Algology, Ecology & Microbial Biotechnology
Kumar Vinod	Chronobiology, Behavioural Neuroendocrinology, Temporal Ecology
Lavania UC	General and Molecular Cytogenetics, Molecular Systematics and Chromosome Evolution, Medicinal and Aromatic Plants, Phytotechnologies
Majumdar SS	Transgenic Animals and Endocrinology
Malhotra KC	Human Ecology
Mallick N	Algal Biotechnology

Name	Specialization
Marimuthu G	Animal Behaviour and Chronobiology
Meher-Homji VM	Ecology, Bioclimatology & Plant Geography
Muralidhar K	Biochemistry & Endocrinology
Nagabushanam R	Animal Physiology & Invertebrate Endocrinology
Nagendra H	Landscape Ecology; Forest Conservation; Satellite Remote Sensing; Urban Ecology, Climate Change
Nanjundiah V	Developmental Biology, Evolution, Theoretical Biology
Nath U	Leaf Morphogenesis
Pandian TJ	Animal Sciences & Fish Genetics
Pandit MK	Plant Sciences, Ecogenomics, Conservation Biology
Prasad NG	Evolutionary Genetics
Prasada Rao PD	Neuroendocrinology, Neurobiology & Fisheries
Rai LC	Algology, Environmental & Agricultural Microbiology, Molecular Biology
Ramakrishnan PS	Ecology & Sustainable Development
Ramakrishnan U	Molecular Ecology, Population Genetics, Conservation Biology
Ramamurthi R	Animal Physiology, Biodiversity & Environmental Biology
Ramamurthy T	Microbiology and Molecular Microbiology
Ranganath HA	Zoology, Genetics and Evolution
Rangaswamy NS	Experimental Embryology & Tissue Culture
Rao AJ	Reproductive Biology
Rao RR	Plant Taxonomy, Biodiversity, Phytogeography, Conservation and Ethnobotany
Sabu M	Angiosperm Taxonomy, Reproductive Biology, Floristics
Saidapur SK	Biology of Reproduction, Comparative Endocrinology & Animal Behaviour
Sangwan NS	Plant Sciences
Sanjappa M	Plant Taxonomy & Conservation
Sankaran Mahesh	Ecology
Senthilkumaran B	Fish Molecular Endocrinology, Developmental Biology and Reproductive Biology
Setty BS	Reproductive Biology, Fertility Regulation
Shah JJ	Plant Anatomy & Wood Science
Shah RV	Comp Anatomy, General Developmental Physiology
Shanbhag BA	Biology of Reproduction and Endocrinology, Behavioral Ecology.
Sharma Eklabya	Ecology
Shivanna KR	Reproductive Biology particularly Pollen Biology and Biotechnology, and Conservation Biology
Shouche Yogesh	Microbial Diversity, Human Microbiome, Microbial Taxonomy
Siddavattam D	Microbiology

Name	Specialization
Singh Inderjit	Plant Ecology
Singh JS	Ecology, Ecosystems Analysis & Ecophysiology
Singh Mewa	Ecology, Animal Behaviour
Singh PK	Plant Sciences, Microbiology, Algology, Sustainable Agriculture, Research Management
Singh SP	Ecology, Ecosystem Services, Himalayan Tree Lines and Climate Change
Subramoniam T	Invertebrate Reproductive Biology & Cryobiology
Sukumar R	Ecology
Tahseen Q	Taxonomy and Biology of Fresh water and Soil-Inhabiting Nematodes
Upreti DK	Lichenology, Biosystematics, Environmental Studies
Yadav SR	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: 78

Name	Specialization
Apte SK	Molecular Biology, Biochemistry, Microbial and Plant Biotechnology
Bandyopadhyay A	Cell Biology and Physiology
Bapat VA	Plant Biotechnology and Genetic Engineering
Basak Soumen	Immunology, Cancer Biology, Systems Biology, Virology, Cell Signaling
Bhatnagar RK	Molecular Biology
Brahmachari Vani	Epigenetics and Development Biology, Molecular Genetics
Chakraborty N	Plant Molecular Biology, Plant Proteomics
Chakraborty Subhra	Nutritional and Stress Genomics, Plant Immunity, Plant Proteomics, Molecular Biology & Biotechnology
Chakraborty Supriya	Biology of Plant Virus Interactions
Chandra HGS	Human Genetics, Evolution
Chatterjee S	Molecular Microbiology, Quorum Sensing, Plant-Microbe Interaction
Chattopadhyay D	Plant Biology, Plant Genomics
Chattopadhyay S	Plant Sciences (Developmental Biology)
Das Sampa	Plant Molecular Biology, Plant Biotechnology
Dasgupta M	Symbiotic Nitrogen Fixation

Name	Specialization
Dass CMS	Cell Biology - Cellular Ultrastructure & Function, Silk Worm Pathology
Datta Kasturi	Biotechnology, Molecular & Cell Biology
Dhawan J	Biology of Quiescent Adult Stem Cells
Dighe RR	Molecular Endocrinology, Reproductive Biology, Biotechnology
Galande SA	Chromatin Biology
Ghosh B	Biochemistry, Immunology, Molecular Genetics
Gowrishankar J	Microbial Genetics and Physiology, Molecular Biology and Biotechnology
Grover Anil	Heat Stress Responses of Plants
Hasan Gaiti	Molecular Genetics, Intracellular Calcium Signalling and Neurobiology
Hasnain SE	Functional Biology, Molecular Pathogenesis & Dissemination Dynamics of Human Pathogens particularly <i>M. tuberculosis</i>
Inamdar MS	Stem Cell Biology, Cardiovascular Development, Hematopoiesis, Angiogenesis
Jha B	Plant Molecular Biology & Biotechnology, Stress Genomics, Coastal & Marine Biotechnology, Gene Mining and Translational Research
Johri MM	Molecular Biology of Plants
Joy KP	Neuroendocrinology, Reproductive Endocrinology
Kasbekar DP	Fungal Genetics and Molecular Biology
Kaur R	Medical Mycology, Yeast Genetics and Molecular Biology
Khanna-Chopra R	Plant Physiology, Stress Physiology, Biochemistry
Khosla S	Epigenetics, Host-pathogen Interactions
Khurana P	Plant Biotechnology, Molecular Biology, Genomics
Kirti PB	Plant Molecular Biology
Kolthur-Seetharam Ullas	Molecular Physiology Chromatin & Gene Expression Mitochondria & Metabolism Aging & Metabolic Diseases
Kundu TK	Regulation of Gene Expression (Transcription) in Humans with Special Emphasis on Disease and Therapeutics and Related Chemical Biology
Lahiri Majumder AN	Plant Biochemistry & Molecular Biology, Plant Biotechnology
Lakhotia SC	Cytogenetics, Molecular Genetics & Cell Biology, Ayurvedic Biology
Lal Rup	Microbial Diversity, Genomics and Metagenomics
Laxmi Ashverya	Plant Physiology and Molecular Biology
Mahale SD	Reproductive Physiology
Majumder HK	Molecular Parasitology, Molecular Biology, Biochemistry
Mallik Roop	Intracellular Transport and Membrane Biology
Mukherjee SK	Plant Molecular Biology

Name	Specialization
Mukhopadhyay A	Molecular Genetics of Aging
Nandicoori VK	Microbiology, Molecular Biology and Cell Signalling
Pareek A	Plant Molecular Biology
Parnaik Veena K	Cell and Molecular Biology
Pucadyil Thomas	Biochemistry/ Cell Biology
Purohit AN	Environmental Plant Physiology, Physiology and Biochemistry of Medicinal Plants
Raghavendra AS	Botany, Plant Biochemistry, Molecular Plant Physiology and Plant Metabolomics
Rajagopal S	Plant Biochemistry, Chloroplast Bioenergetics
Rajasekharan R	Plant Lipid Metabolism
Rangarajan PN	Eukaryotic Gene Expression & Infectious Diseases
Rao KV	Plant Molecular Biology
Ray K	Molecular Cell Biology of Spermatogenesis and Intra-Cellular Transport in <i>Drosophila</i>
Reddy Manjula Nallamala	Biological Sciences/ Microbial Biology
Sachar RC	Biochemistry & Molecular Biology
Sane PV	Photosynthesis, Plant Physiology, Biochemistry & Molecular Biology
Savithri HS	Plant Molecular Virology, Enzymology, Protein Chemistry
Sawhney SK	Plant Biochemistry
Shashidhara LS	Genetics and Developmental Biology
Siddiqi I	Plant Molecular Genetics
Singla-Pareek SL	Plant Stress Biology and Crop Biotechnology
Sinha AK	Plant Physiology and Molecular Biology
Sobti RC	Cell Biology, Molecular Genetics Cytogenetics, Animals and Humans
Sopory SK	Molecular Plant Physiology
Srinivasan MC	Mycology, Industrial Microbiology & Enzyme Technology
Tewari HB	Cell Biology, Histochemistry & Neurochemistry
Tripathi AK	Molecular Microbiology (Agricultural & Environmental)
Tripathy BC	Plant Physiology, Plant Biotechnology
Tuteja N	Plant Molecular Biology, Plant and Animal Biotechnology, Agriculture, DNA/RNA Helicases, Plant Abiotic and Biotic Stress Tolerance, Plant-Microbes Interactions
Tyagi AK	Plant Biology
Upadhyaya KC	Molecular Genetics and Genomics, Plant Molecular Biology and Biotechnology
Veluthambi K	Plant Sciences, Plant Biotechnology, Plant Virology
VijayRaghavan K	Developmental Biology and Genetics
Vijayraghavan Usha	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: 102

Name	Specialization
Adhya Samit	Molecular Biology
Ahmad F	Biophysical Chemistry and Biochemistry
Bachhawat AK	Microbial Genetics & Biochemistry / Yeast Glutathione & Sulphur Metabolism
Balaram H	Biochemistry, Metabolism, Molecular Parasitology, Molecular Enzymology
Balaram P	Chemical Biology and Molecular Biophysics
Balasubramanian D	Biophysical Chemistry, Biomolecular Interactions, Ocular Biochemistry, Protein Structure
Bandyopadhyay Uday	Biochemistry and Cell Biology
Banerjee RK	Cell Biology, Molecular Enzymology
Bansal Manju	Molecular Biophysics, Structural and Computational Biology
Basu Joyoti	Molecular and Cellular Biology with Special Reference to Mycobacteria
Basu SK	Biochemistry, Molecular Biology & Genetics
Batra JK	Biochemistry, Molecular Biology
Bhalla US	Computation Neuro Science, Neuro Biology
Bhattacharya Alok	Molecular Parasitology, Genomics, Bioinformatics
Bhattacharya Sudha	Molecular Biology, Molecular Parasitology
Bhattacharyya SN	Molecular Cell Biology
Brahmachari SK	Structural Biology, Functional Genomics, Open Source Drug Discovery
Chakrabarti P	Molecular Biophysics, X-ray Crystallography and Structural Biology, Bioinformatics
Chandra Nagasuma	Systems Biology
Chatterjee SN	Biophysics, Microbiology, Molecular and Genetic Toxicology, Free Radicals Biology
Chatterji D	Biophysical Chemistry, Molecular Biology & Nanobiology
Chattopadhyay A	Membrane/ G Protein-coupled Receptor Biophysics & Biology, Fluorescence Spectroscopy & Microscopy
Chauhan VS	Peptides as Self Organising System and Drug Delivery Platforms, Malaria Immunology, Subunit Vaccine and Malaria Drug Development
Das HK	Biochemistry, Molecular Biology & Recombinant DNA Technology
Das PK	Biochemistry, Cell Biology, Molecular Parasitology

Name	Specialization
Das Saumitra	Molecular Virology and Molecular Biology
Dasgupta CK	Biochemistry and Biophysics
Datta AK	Enzymology, Molecular Biology, Parasitology
Datta Asis	Biochemistry, Molecular Biology & Genetic Engineering
Dhar SK	Biochemistry, Molecular Biology, Cell Biology, Parasitology
Dikshit KL	Molecular Biology, Biochemistry
Dikshit M	Molecular Pharmacology
Durga Rao C	Virology, Cell and Molecular Biology, Biotechnology
Easwaran KRK	Molecular Biophysics, Membrane Biophysics, Structural Biology
Gokhale RS	Chemical Biology
Gopal B	Structural Biology
Gopinathan KP	Molecular Biology & Biotechnology
Gourinath S	Structural Biology (Infectious Disease)
Gromiha MSM	Bioinformatics, Computational Biology, Protein Structure-Function
Gupta CM	Membrane Biology and Bio-Organic Chemistry
Gupta KC	Nucleic Acid Chemistry, Nanobiotechnology
Gupta MN	Biochemistry
Habib Saman	Malaria Parasite Biology, Human Genetic Factors and Malaria Susceptibility
Hosur MV	Biophysics, X-ray Crystallography
Kannan KK	Macromolecular Crystallography, Molecular Biology
Khanna NC	Biotechnology: Recombinant Proteins of Medical Use
Kolaskar AS	Molecular Biophysics, Bioinformatics
Krishnamoorthy G	Biophysical Laser Spectroscopy, Macromolecular Dynamics
Kumar Anil	Nuclear Magnetic Resonance Spectroscopy & Applications to Biomolecules and Quantum Computing
Kundu GC	Tumor Biology, Regulation of Gene Expression, Targeted Drug Delivery, Angiogenesis, Cancer Stem Cells, Chemical Biology and Nanotechnology
Maiti S	Chemical Biology and Biophysics
Maji SK	Biochemistry, Biophysics, Protein Folding/Misfolding, Protein Aggregation, Neurodegenerative Diseases
Malhotra Pawan	Parasitology and Protein Biochemistry
Mandal NC	Molecular Biology
Mande SC	Biophysics
Mayor S	Cell Biology
Mishra RK	Genomics of the Non-coding DNA & Epigenetic Regulation and Development

Name	Specialization
Misra HS	Molecular and Cellular response to DNA damage, Molecular Genetics, Structure-function of proteins & non-B form of DNA and Radiobiology
Mohan Rao C	Biophysical Chemistry and Molecular Biology, Protein Folding in Health and Disease, Molecular Diagnostics, Microfluidics and Nanobiology
Mohanty D	Computational Biology & Bioinformatics
Mukhopadhyay A	Cell Biology
Muniyappa K	Molecular Genetics, Molecular Cell Biology, Functional Genomics
Murthy MRN	X-ray Diffraction, Macromolecular Crystallography, Protein Structure and Function, Virus Structure and Assembly
Nagaraj R	Peptide Biochemistry, Membrane Biochemistry
Nagaraja V	Molecular Biology of Mycobacteria, Regulation of Gene Expression and Protein-DNA Interactions
Nagaraju Ganesh	DNA Damage Responses, Cell Biology and Cancer Biology
Nair DT	Structural & Molecular Biology
Padmanaban G	Biochemistry, Molecular Biology & Malaria
Panda Dulal	Biochemistry, Cell Biology and Biophysics
Prasad R	Membrane Biology, Biochemistry, Fungal Genetics
Raghava GPS	Bioinformatics
Ramakrishnan C	Molecular Biophysics
Rao BJ	Molecular basis of Genome Dynamics Biophysics of Genome Repair Complexes
Rao DN	Protein- DNA Interactions
Rao MRS	Molecular & Cell Biology, Genomics and Human Molecular Genetics
Rao NA	Enzyme Regulation and Kinetics & Human Genetics
Roy RP	Biochemistry, Synthetic Protein Chemistry Chemical Biology
Roy S	Biophysics, Biochemistry, Structural Biology, Chemical Biology
Sahni G	Enzymology, Protein Engineering
Sahu AK	Complement Biology, Molecular Virology
Salunke DM	Structural Biology, Macromolecular Crystallography, Molecular Biophysics
Sankaranarayanan R	Structural Biology
Saran Anil	Molecular Biophysics & Biomolecular NMR
Sarkar DP	Biochemistry, Molecular Virology, Molecular Cell Biology, Cell Signaling, Biotechnology & Membrane Biology
Sasisekharan V	Biomolecular Structure & Function
Sen Ranjan	Microbiology, Biochemistry
Shaha C	Cell Biology, Biochemistry
Sharma P	Signal Transduction, Biochemistry, Malaria, Neuroscience

Name	Specialization
Sharma Y	Biophysics
Shukla AK	Membrane Protein, Structural Biology, Protein Engineering and Design
Singh TP	Structural Biology, X-ray Crystallography, Protein Structures, Peptide Design and Drug Discovery
Sinha Somdatta	Theoretical and Computational Biology, Complex Systems
Sowdhamini R	Structural Bioinformatics, Protein Sequence Analysis, Genome Analysis, Function Prediction
Subba Rao PV	Biochemistry, Immunology, Biotechnology
Surolia A	Protein Folding, Function & Design, Tuberculosis
Swarup G	Molecular and Cell Biology, Molecular Basis of Disease, Cell Signalling, Membrane Vesicle Trafficking
Tyagi Anil K	Biochemistry, Molecular Biology
Tyagi JS	Mycobacteriology, Molecular Biology
Udgaonkar JB	Physical Biochemistry
Varadarajan R	Protein Structure and Folding
Varshney U	Molecular Biology
Visweswariah SS	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: 127

Name	Specialization
Acharya SK	Gastro Enterology, Hepatology
Agarwal KN	Pediatrics - Nutrition, Growth & Development
Aggarwal A	Medicine: Autoimmune Rheumatic Diseases, Pediatric Rheumatology
Aggarwal R	Medical Sciences, Gastroenterology, Liver Disease, Viral Hepatitis, Epidemiology, Health Economics
Agrawal A	Medicine, Respiratory Disease Biology, Molecular Physiology
Agrewala JN	Immunology, Tuberculosis, Vaccines, Gut Microbiome
Ali Nahid	Biochemistry/Immunology
Ali Sher	Molecular Genetics of Human and Animal Systems
Anand Anuranjan	Human Genetics and Genomics
Anand Ashima	Cardiorespiratory & Neuro-physiology
Arankalle VA	Virology, Biotechnology, Vaccinology

Name	Specialization
Ashraf MZ	Genomics, Biomedical Sciences, Translational Biology, High Altitude Biology
Awasthi Shally	Pediatrics
Bakhshi Sameer	Pediatric and Medical Oncology
Balaji KN	Immunology, Infectious Diseases, Cell Biology
Bamezai RNK	Genetics, Human Genetics
Bamji Mahtab S	Biochemistry, Nutrition
Banerjea AC	Viral Pathogenesis and Gene Therapy
Basu Anirban	Neurovirology, Neurobiology, Molecular Medicine and Drug Repurposing
Bhandari Nita	Nutrition, Child Health, Vaccinology
Bhargava B	Medicine (Cardiology) and Medtech Innovation
Bhatnagar R	Microbiology, Immunology
Bhatnagar Shinjini	Health Sciences
Bhattacharya SK	Diarrhoeal Diseases, HIV/AIDS, Kala-azar, Infectious Diseases
Bhisey RA	Environmental Carcinogenesis, Molecular Epidemiology
Chakrabarti S	Viral Diseases with Special Emphasis on Genetic Characterization of Viruses and Mechanism of Pathogenesis
Chakraborti PK	Molecular Biology & Biochemistry, Molecular Microbiology
Chakravortty D	Microbiology, Infectious Diseases
Chandak GR	Human and Medical Genetics
Chatterjee M	Immunopharmacology, Leishmania Biology
Chattopadhyay S	Gene Regulation, Cancer Biology and Immunology
Chawla-Sarkar M	Molecular Virology
Chitnis CE	Molecular Parasitology
Chowdhury A	Health Sciences: Hepatology
Das BC	Molecular Cancer & Stem Cell Biology, Tumor Virology and Human Molecular Genetics
Das Pradeep	Medical Biotechnology and Molecular Parasitology
Dash D	Biochemistry, Thrombus/Platelet Biology, Translational Nanomedicine
Deo MG	Pathology, Oncology, Molecular Medicine
Dey CS	Cell Biology, Molecular Biology, Insulin Signaling, Diabetes, Drug Resistance in Leishmania
Dube Anuradha	Medical Parasitology (Leishmaniasis)
Ehtesham NZ	Biomedical Sciences
Ganesan V	Psychiatry, Neuroscience, Schizophrenia, Neuromodulation
Ganesh S	Neurobiology of Disorders, Human Molecular Genetics
Gangal SG	Cancer Immunology, Basic Immunology Genetic Diseases

Name	Specialization
Ganguly NK	Microbiology, Immunology, Biotechnology, Infectious Disease Public Health and Policy
Garg LC	Infectious Diseases, Gene Expression, Vaccine Development
Garg PK	Medicine, Gastroenterology, Pancreatology
Ghosh A	Molecular Biology of <i>Vibrio cholera</i>
Giri AK	Genetic Toxicology, Environmental Mutagenesis, Human Genetics and Genomics, Monitoring of Human Population Exposed to Environmental Mutagens and Carcinogens
Gupta SK	Reproductive Biology/Immunology, Vaccine Development
Jagannathan NR	Clinical and Pre-clinical Cancer Research using Molecular Imaging/Magnetic Resonance Imaging (MRI) & in-vivo NMR Spectroscopy/Functional MRI Studies/NMR Metabolomics/ Biophysics
Jain N	Neuroscience
Jameel S	Virology
John TJ	Medicine: Paediatrics, Microbiology & Virology
Kang G	Medicine, Microbiology, Vaccines, Enteric Infections, Public Health
Kar Premashis	Gastroenterology
Katoch VM	Microbiology and Molecular Biology of Mycobacteria/ Mycobacteriology
Kaul Deepak	Molecular Medicine, Functional Genomics, Genomic Immunity
Kochupillai NP	Endocrinology, Metabolism, Diabetes & Biotechnology
Kondaiah P	Cancer Biology and Biomarkers, Cancer Therapeutics, Gene Regulation by Steroid Hormones
Krishnaswamy K	Internal Medicine
Luthra UK	Pathology, Cytopathology, Cancer Research, Medical Research
Madhubala R	Molecular Parasitology, Functional Genomics
Majumder PP	Human Genetics, Genetic Epidemiology Biostatistics
Mallick BN	Physiology, Neurobiology/Neurophysiology of Sleep-Wakefulness
Mandal C	Cancer Biology, Glycobiology, Immunology
Mandal M	Cancer Biology
Mathan MM	Pathology, Electron Microscopy
Mathan VI	Gastroenterology and Epidemiology
Mathur Asha	Medical Microbiology, Virology, Immunology
Mehra NK	Transplantation Immunology, HLA and Clinical Immunogenetics
Mishra AC	Epidemiology & Natural Cycle of Viral Diseases
Mishra GC	Immunology
Misra UK	Neurology
Mitra Debashis	Molecular Virology and Molecular Immunology

Name	Specialization
Mittra I	Oncology/Cancer Surgery, Fundamental, Clinical and Public Health Research in Cancer
Mohan V	Medicine-Diabetes Mellitus
Mukhopadhyay S	Immunology and Infection Biology
Muthukkaruppan V	Immunology, Ocular Diseases, Stem Cell Biology
Nair GB	Medical and Molecular Microbiology
Nayak NC	Pathology, Liver Diseases & Cancer
Panda SK	Liver Pathology and Virology of Hepatitis Viruses
Paul VK	Pediatrics, Health Sciences, Basic and Clinical Sciences/ Public Health
Pillai MR	Disease Biology
Prabhakaran Dorairaj	Cardiology, Epidemiology and Public Health
Qadri Ayub	Immunology
Ramakrishna BS	Gastroenterology
Raman R	Molecular Cytogenetics, Human Genetics
Ranga U	HIV-AIDS (Immunology, Molecular Biology, Pathogenesis)
Rao KVS	Immunology
Ravindranath V	Neuroscience
Reddy V	Nutrition
Rout D	Neurosurgery, Micro-neurosurgery, Microvascular Surgery & Neurosciences
Roy Syamal	Parasitology, Immunology
Roychoudhury S	Cancer Biology
Saha B	Immunology
Salotra P	Molecular Parasitology and Immunology
Sanyal K	Genetics and Genomics of Human Fungal Pathogens, Eukaryotic Chromosome Segregation
Sarin SK	Hepatology and Gastroenterology
Sarkar C	Neuropathology and Neurooncology
Sarkar PK	Neurodegenerative Diseases, Molecular Neurobiology, Neuroendocrinology
Saxena RK	Immunology, Nanotoxicology, Nanosciences, Biotechnology, Pulmonary Immune Responses and Effect of Environmental Pollutants, Erythrocyte turnover
Sengupta S	Cancer Biology, Cell Biology, DNA Damage Response, DNA Repair, Mitochondria Biology
Sharma S	Parasite Biology and Immunology
Sharma SK	General Medicine; Pulmonary, Critical Care and Sleep Medicine & Infectious Diseases
Sharma YD	Molecular Parasitology, Malaria, Molecular Epidemiology

Name	Specialization
Singh Y	Bacterial Pathogenesis, Bacterial Protein Toxins, Signal Transduction in Bacteria
Sinha S	Molecular Medicine, Oncology(Glioma) and Immunology
Somasundaram K	Cancer Biology, Virology, Genetics
Srimal RC	Pharmacology, Natural Products & Toxicology
Srivastava MVP	Medicine (Neurology)
Subbarao SK	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
Sundar Shyam	Medicine, Infectious Diseases, Visceral Leishmaniasis, HIV Medicine
Swaminathan S	Clinical Medical Sciences
Talwar GP	Biomedical Research
Talwar KK	Cardiology
Tandon N	Endocrinology and Metabolism
Tandon PN	Neurosurgery
Thangaraj K	Population Genetics and Evolutionary Biology, Clinical and Medical Genetics, Ancient DNA and Forensic Genetics
Thelma BK	Cytogenetics, Human Genetics and Medical Genomics
Tole Shubha	Neuroscience
Vaidya VA	Neuroscience
Valiathan MVS	Cardiac Surgery
Vijayachari Paluru	Medicine, Molecular Medical Microbiology
Vrati Sudhanshu	Virology, Vaccinology
Wani MR	Bone Remodeling and Regenerative Medicine
Yajnik CS	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: 66

Name	Specialization
Abrol IP	Soil Science, Sustainable Agriculture, Research Management
Adhya TK	Environmental Microbiology
Arunachalam V	Quantitative Genetics, Plant Breeding, Biodiversity
Bagyaraj DJ	Agricultural Microbiology, Mycorrhizal Symbiosis
Balyan HS	Genetics, Plant Breeding & Crop Biotechnology
Banga SS	Plant Breeding and Genetics

Name	Specialization
Chauhan MS	Animal Reproduction Assisted Reproduction Technology, IVF, Stem Cell Culture, Animal Cloning and Transgenesis
Das P	Biotechnology of Woody Plants & Horticultural Crops
Dasgupta Indranil	Plant Viruses and Plant-Virus Interactions
Datta SK	Plant Biotechnology
Dhillon BS	Agricultural Sciences-Genetics
Ghosh K	Agricultural Chemistry and Soil Science
Gill BS	Tropical Veterinary Medicine
Gupta RK	Soil Science, Land Reclamation, Irrigation Water Quality and Conservation Agriculture
Husain A	Plant Pathology
Joshi AK	Agricultural Sciences
Khehra AS	Plant Breeding & Quantitative Genetics
Khush GS	Plant Breeding & Genetics
Kumar S	Molecular Plant Physiology
Madan Mohan	Agricultural Biotechnology
Mohapatra T	Agricultural Biotechnology
Mukherjee PK	Plant Pathology, Biocontrol, Fungal Genetics
Narain P	Statistical Genetics and Agricultural Statistics
Nautiyal CS	Plant-Microbe Interactions & Soil Microbiology
Palni LMS	Plant Physiology & Biotechnology, Plant-Microbe Interactions, Himalayan Issues
Parida SK	Genomics-Assisted Breeding for Crop Improvement, Molecular Genetics, Molecular Breeding, Agriculture Biotechnology
Paroda RS	Plant Breeding & Genetics
Pathak H	Agricultural Sciences
Pental D	Breeding of Mustard, Transgenic Crops
Podile AR	Plant-Microbe Interactions
Pradhan AK	Plant Genetics and Molecular Plant Breeding
Prasad Manoj	Plant Genetics & Genomics, Stress Biology
Prasad R	Agronomy, Soil Fertility & Fertilizers, Cropping Systems
Raina SK	Agricultural Biotechnology
Rajam MV	Plant Biotechnology, Polyamine Physiology and RNA Interference
Rao CS	Soil Carbon Sequestration, Climate Change, Natural Resource Management
Sangwan RS	Secondary Metabolism and Secondary Agriculture Bioprocessing for Resource Recovery & Value Added Products
Saxena KN	Entomology: Insect Behaviour and Management
Sethunathan N	Environmental Microbiology
Sharma RP	Genetics, Cytogenetics and Plant Biotechnology

Name	Specialization
Sharma TR	Agricultural Biotechnology and Disease Resistance
Siddiq EA	Genetics & Plant Breeding
Singh AK	Genetics and Molecular Breeding in Rice
Singh Bijay	Soil Fertility and Chemistry
Singh GP	Agriculture
Singh NK	Plant Genomics, Transgenic Development, Molecular Breeding, Grain Quality in Rice and Wheat
Singh N	Food Science and Technology
Singh NT	Soil Science
Singh PK	Crop Genetic Engineering
Singh Randhir	Plant Biochemistry & Biotechnology
Singh Rangil	Plant Biochemistry (Metabolism of Carbohydrates and their Bio-regulation during Growth and Development of Cereals, Legumes, Forages and other Commercial Crops)
Singh SR	Soil and Water Engineering, Irrigation and Drainage Engineering, Ground Water Modelling
Singh Y	Soil Science
Singhal Rekha Satishchandra	Food/Bioprocesses-Science and Technology
Sinha VRP	Fish Biology, Reproductive Physiology & Aquatic Productivity Management and Fisheries Research Management
Sonti RV	Pathogen-plant Interactions
Subba Rao NS	Soil Microbiology & Biofertilizers
Swaminathan MS	Genetics & Agriculture
Takkar PN	Agriculture, Soil Chemistry, Fertility and Plant Nutrition, Micronutrients
Tamang JP	Microbiology of Fermented Food and Beverages
Trivedi PK	Plant Molecular Biology and Biotechnology
Tuli R	Biochemistry & Molecular Genetics of Agriculturally & Medicinally Important Plants, Genomic Diversity in Plants for Precision Breeding, Food and Nutrition Biotechnology
Varma A	Plant Virology, Plant Pathology, Biotechnology, Education
Varshney RK	Crop Genetics, Genomics and Molecular Breeding
Virk DS	Genetics and Plant Breeding
Yadav OP	Plant Breeding

SECTIONAL COMMITTEE-NC

New Category

Total Fellows: 13

Name	Specialization
Bhujanga Rao V	Defence R&D, Naval systems, Structural Dynamics, Underwater acoustics, Medical Implants
Gupta AK	Inclusive, Frugal and Grassroots Innovation, Institution Building, Sustainable Agriculture, Technological, Educational, Institutional Innovations, Public Policy
Hamied YK	Steroid Chemistry, Applied Organic Chemistry
Harinarayana K	Aeronautical Engineering
Narain S	Environment, Sustainable Development, Public Policy, Science Outreach
Nayak S	Earth Sciences
Raina Dhruv	History and Philosophy of Science
Ramasubramanian K	Non-linear Dynamics and Chaos, Indian Astronomical and Mathematics, Advaita Vedanta
Sharma DK	Microelectronics, VLSI Design
Sivan K	Aerospace Engineering, Space Transportation Systems Engineering
Srinivas MD	Theoretical Physics, History and Philosophy of Science
Sriram MS	History of Indian Astronomy & Mathematics
Suresh BN	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	Ahmedabad <i>(All Fellows in Gujarat and Rajasthan)</i>	Pankaj S Joshi
2	Bengaluru <i>(All Fellows in Karnataka)</i>	Prof Maneesha Inamdar
3	Bhubaneswar <i>(All Fellows in Odisha and Bihar)</i>	TK Adhya
4	Chandigarh <i>(All Fellows in Chandigarh, Haryana, HP, J&K and Punjab)</i>	Anand Kumar Bachawat
5	Chennai <i>(All Fellows in Tirupati and Tamil Nadu except Madurai, Karaikudi and Trichy)</i>	Sundarababu Baskaran
6	Delhi <i>(All Fellows in Agra, Aligarh, Bhopal, Delhi, Ghaziabad, Gurugram, Gwalior, Meerut, Noida and Sagar)</i>	Niranjan Chakraborty
7	Hyderabad <i>(All Fellows in Andhra Pradesh)</i>	Subeer S Majumdar jointly with Rakesh Kumar Mishra
8	Kanpur <i>(All Fellows in Kanpur)</i>	Prof JK Bera
9	Kharagpur <i>(All Fellows in Durgapur, Kharagpur)</i>	Amit Basak
10	Kolkata <i>(All Fellows in Burdwan, Jadavpur, Kalyani, Kolkata and Shillong)</i>	HK Majumder
11	Lucknow <i>(All Fellows in Lucknow, Nainital, Pantnagar and Ranikhet)</i>	Saman Habib
12	Madurai <i>(All Fellows in Karaikudi, Madurai, Puducherry and Trichy)</i>	Dr K Veluthambi
13	Mumbai <i>(All Fellows in Mumbai and Indore)</i>	G Ravindra Kumar
14	Pune <i>(All Fellows in Ahmednagar, Aurangabad, Goa and Pune)</i>	Anil Kumar
15	Thiruvananthapuram <i>(All Fellows in Kerala)</i>	JN Moorthy
16	Varanasi <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 2023

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Professor Debasisa Mohanty

B. Resource Management Committee

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FA, DST

Nominee of Secretary, DST

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E. Editorial Board : Proceedings of the Indian National Science Academy

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 Professor Anurag Sharma : Engg & Tech
 Professor BK Thelma : Genetics

*Since deceased

II. ADVISORY COMMITTEES 2023

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Professor Sanjay Puri, *Vice-President*
Professor SR Wadia, *Vice-President*
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Professor Dinakar Kanjilal
Professor Rup Lal
Professor Kalidas Sen
Representative from DST

B. Advisory Committee for Science Promotion

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Professor NR Jagannathan
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Professor Niranjana Chakraborty

C. Advisory Committee for Science and Society

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Professor RK Kohli
Professor Rup Lal

D. Indian National Commission for History of Science

Professor Ashutosh Sharma, *President, INSA (Chair)*
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Professor Sanjay Puri, *Vice-President (RM)*
Professor SR Wadia *Vice-President (Science Promotion)*
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Professor Ajoy Ghatak
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Professor SC Roy
Professor Samir Kr Saha
Professor Vibha Tripathi
Professor Amitabha 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 Smritikumar Sarkar
Professor RR Rao
Professor Ishrat Alam
Professor P Ram Manohar
Professor K Krishnan
Professor Sreekumar Nellickappilly,
Professor Vidita Ashok Vaidya
Professor V Ramanathan
Professor JN Sinha

F. Panel for Science Education

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Professor DV Khakhar, *Vice-President*
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Professor Rajaram Nityananda
Professor Ravi Subramanyam (Mumbai)

G. Committee for Archives

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Professor NK Mehra, *Vice-President*
Professor Sanjay Puri, *Vice-President*
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Professor Paramjit Khurana

H. INSA Core Committee for DST INSPIRE Programme

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Professor Akhilesh Tyagi

I. INSA Panel on Ethics in Science

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Professor S Chandrasekaran
Professor ML Munjal
Professor Sriram R Ramaswamy
Professor Chitra Sarkar
Professor N Sathyamurthy
Professor SR Shetye
Professor Madhu Dixit

J. INSA Panel on Women in Science

Professor Shobhona Sharma (*Chair*)
Professor Madhu Dikshit, *Vice-President*
Professor Rentala Madhubala
Professor Madhoolika Agrawal
Professor Anirban Basu
Professor Jaya S Tyagi

INTER ACADEMY PANELS

A. Inter-Academy Science Education Panel

Professor Puspendu K Das, (*Chair*), IISc, Bengaluru
 Professor Annapurni Subramaniam, (*Co-Chair*), IIA, Bengaluru
 Professor Hemalatha Balaram, JNCASR, Bengaluru
 Professor Jaydeep K Basu, IISc, Bengaluru
 Professor Joyoti Basu, Bose Institute, Kolkata
 Professor Sudip Chattopadhyay, NIT, Durgapur
 Professor Ashutosh Ghosh, Calcutta Univ, Kolkata
 Professor Srubabati Goswami, PRL, Ahmedabad
 Professor Rama Kant, Delhi Univ., Delhi
 Professor Mj Mahan, TIFR, Mumbai
 Professor Indranil Manna, BIT, Ranchi
 Professor Chandrabhas Narayana, RGCB, Thiruvananthapuram
 Professor Tanmaya Pathak, IIT, Kharagpur
 Professor Rajeev Patnaik, PanjabUniv, Chandigarh
 Professor Vandana Prasad, BSIP, Lucknow
 Professor K N Raghavan, IMSc, Chennai
 Professor Nitin Saxena, IIT, Kanpur
 Professor Arup Bose, ISI, Kolkata
 Professor E V Sampathkumaran, HBCSE, Mumbai
 Professor Neelam Sangwan, CUH, Mahendergarh
 Professor Chitra Sarkar, AIIMS, New Delhi
 Professor Suchitra Banerjee, CIMAP, Lucknow
 Professor Swapan K Ghosh, Univ. of Mumbai, Mumbai
 Professor Girija Jayaraman, IIT, Delhi
 Professor Anirban Pathak, JIIT, Noida

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, *Vice-President*
 Professor Subhra Chakraborty (New Delhi)

Professor Sunil Mukhi
Professor Somdatta Sinha
Professor Madhoolika Agrawal
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, *Vice-President (Chair)*
Professor S Chandrasekaran
Professor JP Mittal
Professor Sunil Mukhi
Professor ML Munjal
Professor Sriram R Ramaswamy
Professor Chitra Sarkar
Professor N Sathyamurthy
Professor SR Shetye
Professor JS Tyagi

National Committees for International Science Council (ISC) and its affiliated Unions and Committees (till December 31st, 2023)

INDIAN NATIONAL COMMITTEE FOR ISC

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 Professor SR Wadia, Vice-President (Science Promotion) INSA, *Member*
 Professor Amit Ghosh, Vice-President (Publications/Informatics), INSA, *Member*
 Professor Madhu Dikshit, 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 Sanjay Puri, 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)

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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*

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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)

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2. Professor S Natarajan, FNA, *Member*
3. Professor Vinod K Singh, FNA, *Member*
4. Dr A Ajayghosh, 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*
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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 WG16, *Member Ex-Officio*

V. National Committee for International Astronomical Union (IAU)

1. Professor Jayaram N Chengalur, FNA, *Chairman*
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3. Professor Prateek Sharma, IISc, Bengaluru, *Member*
4. Professor Tarun Souradeep, IUCAA, Pune, *Member*
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6. Professor GC Anupama, President, ASI, *Member Ex-Officio*

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3. Dr R Sankaranarayanan, FNA, *Member*
4. Dr Ashok Kumar Giri, FNA, *Member*

VII. National Committee for International Union of Microbiological Societies (IUMS)

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3. Dr Dipsikha Chakravorty, FNA, *Member*
4. Dr Rup Lal, FNA, *Member*
5. Dr T Ramamurthy, FNA, *Member*

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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*
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4. Professor Talat Ahmad, FNA, *Member*
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 11. Dr P Chandrasekaran, Director Explorations, Oil India, *Member*
 12. GSI nominee
- 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 SumanJain, 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 – 2023

SECTIONAL COMMITTEE - I : Mathematical Sciences (*Applied Mathematics, Pure Mathematics, Theoretical Computer Science, Statistics and Operations Research*)

KT Joseph	2023	P Sankaran	2024
J Radhakrishnan	2023	A Adimurthi	2025
KB Sinha	2023	DS Nagaraj	2025
P Chaudhuri	2024	Kapil Paranjape	2025
R Munshi	2024		
<i>(Secretary & Convener)</i>			

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*)

Amita Das	2023	Kalobaran Maiti*	2024
PS Joshi	2023	Mahendra Kumar Verma	2024
Anurag Sharma	2023	Arindam Ghosh	2025
<i>(Secretary & Convener)</i>		Bedangadas Mohanty	2025
Manchikanti Krishnamurthy	2024	SP Trivedi	2025

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*)

SK Ghosh	2023	Hirendra Nath Ghosh	2024
Govindasamy Mugesh	2023	Sourav Pal	2024
<i>(Secretary & Convener)</i>		Amit Basak	2025
VK Pillai	2023	Uday Maitra	2025
Jitendra Kumar Bera	2024	CP Rao	2025

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*)

Archana Bhattacharyya	2023	NV Chalapathi Rao	2024
AK Singhvi	2023	VP Rao	2024
<i>(Secretary & Convener)</i>		Somnath Dasgupta	2025
R Srinivasan	2023	Shyam Lal	2025
Mudlappa Jayananda	2024	DC Srivastava	2025

*In place of Professor Sriram R Ramaswamy for the years 2023 and 2024 only

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 Kumar Dey	2023	AB Pandit	2024
SM Sharma	2023	Shalabh Bhatnagar	2025
CS Sundar	2023	Santosh Kapuria	2025
Neelesh B Mehta	2024	Sanjay Mittal	2025
Sushmita Mitra	2024		
<i>(Secretary & Convener)</i>			

SECTIONAL COMMITTEE - VI : General Biology (*Taxonomy, Structure, Ecology, Environmental Biology, Evolution and Behaviour of Plants, Animals and Microbes including Unicellular Eukaryotes*)

Pijush K Das	2023	Syamal Roy	2024
Neelam S Sangwan	2023	Madhoolika Agrawal	2025
R Sukumar	2023	Nirupama Mallick	2025
G Marimuthu	2024	Anil Kumar Tripathi	2025
HA Ranganath	2024		
<i>(Secretary & Convener)</i>			

SECTIONAL COMMITTEE - VII : Molecular and Cellular Biology (*Cell Biology, Physiology, Development, Genetics, Genomics and other Omics of Plants, Animals and Microbes including Unicellular Eukaryotes*)

KN Balaji	2023	AS Raghavendra	2024
Sunil Kumar Mukherjee	2023	PK Chakraborti	2025
Pushkar Sharma	2023	Debasis Chattopadhyay	2025
Samir Bhattacharya	2024	Sagar Sengupta	2025
<i>(Secretary & Convener)</i>			
Rentala Madhubala	2024		

SECTIONAL COMMITTEE - VIII : Biomolecular, Structural Biology and Drug Discovery (*Biochemistry, Biophysics, Molecular Biology, Pharmacology, Structural Biology, Bioinformatics, Computational Biology, System Biology*)

Balasubramanian Gopal	2023	Samudrala Gourinath**	2024
Navin Chandra Khanna*	2023	R Varadarajan	2024
Sandhya S Visweswariah	2023	US Bhalla	2025
H Balaram	2024	Vinay Kumar Nandicoori	2025
		Rajan Sankaranarayanan	2025
<i>(Secretary & Convener)</i>			

*In place of Dr Amit P Sharma for the years 2022 and 2023 only

**In place of Late Dr KVR Chary for the years 2023 and 2024 only

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*)

Neeraj Jain*	2023	Paturu Kondaiah	2024
Sangita Mukhopadhyay	2023	TK Kundu	2024
BS Ramakrishna	2023	Rakesh Aggarwal	2025
Shinjini Bhatnagar	2024	Nita Bhandari	2025
(Secretary & Convener)		T Ramamurthy	2025

SECTIONAL COMMITTEE - X : Agricultural Sciences (*Agriculture, Horticulture, Forestry, Fisheries, Food Science, Veterinary Science, Pathogen Biology and Host Pathogen Interaction Both Plant and Veterinary Importance*)

Rup Lal	2023	Himanshu Pathak	2024
Ashok Kumar Singh	2023	Narpinder Singh	2024
RV Sonti**	2023	AK Pradhan	2025
(Secretary & Convener)		Lal Chand Rai	2025
Premananda Das	2024	B Senthilkumar	2025

*In place of Dr Madhu Dikshit for the year 2023 only

** In place of Late Professor M Udayakumar for the years 2022 and 2023 only

ACADEMY AWARDS

As per OM received from DST, all INSA Awards have been abolished.

Recipients of INSA Medal for Young Scientists 2022

1. **Dr Lakshman Abhilash** (16.11.1990), PhD, Neuroscience Initiative Advanced Science Research Center at the Graduate Center of the City University of New York, New York.

Dr. Abhilash Lakshman has carried out a number of studies that ably demonstrate the inter-relationship between timing of behaviour, circadian organisation and mechanisms of entrainment in *Drosophila melanogaster*. Using early and late chronotypes, along with their ancestral, unselected control lines, Dr. Lakshman has explored the correlated evolution of circadian organisation and entrainment properties of their circadian clocks under time cues of light and temperature. His studies have helped understand the hierarchical organisation of the circadian network revealing a strong temperature sensitive clock in the stocks of *D. melanogaster*. Dr. Abhilash's research has addressed several important questions related to the nature of the circadian clock that impacts life at scales ranging from the molecular to the ecological scales.

2. **Dr Sarit S Agasti** (25.03.1983), PhD, New Chemistry Unit (NCU) and Chemistry & Physics of Materials Unit (CPMU), Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur, Bengaluru.

Dr. Agasti has contributed significantly to the development of molecular assemblies by incorporating various dynamically interacting synthetic host-guest motifs and exploiting these systems to do useful biological work. They combined macrocyclic receptors and DNA based systems with the biological interface to develop various programmable and reconfigurable systems with relevance to both fundamental and medical research. Dr. Agasti is also actively involved in developing easy to implement and live-cell compatible super-resolution imaging strategies by using dynamic molecular interactions. He has recently developed a simple, robust, and easy-to-implement super-resolution imaging method using highly selective, strong yet dynamic supramolecular interaction between synthetic host-guest pairs.

3. **Dr Gaurav Ahuja** (24.09.1987), PhD, Department of Computational Biology, Indraprastha Institute of Information Technology-Delhi (IIIT-Delhi), New Delhi.

Gaurav Ahuja has made elegant attempts to decipher the underlying mechanisms and codes involving odorant-receptor interactions, provided an understanding of the molecular basis of loss of smell in the COVID-19 infected patients, and established a link between the diversity of olfactory receptors per cell and cancer cell stemness.

4. **Dr Arvind B** (18.07.1989), MD, DM, Department of Cardiology, All India Institute of Medical Sciences, New Delhi.

Dr. Arvind is a clinician cardiologist and a researcher. His seminal contribution involves in determining the etiology of acute pulmonary exacerbations in children with cystic fibrosis and in drug trials for the management of Junctional Ectopic Tachycardia (JET), a potentially life-threatening abnormality of cardiac rhythm that is usually seen in children after cardiac surgery. In addition, he is involved in many other projects like identification of markers of endothelial injury and activation in patients with acute rheumatic fever and other rheumatic heart diseases.

5. **Dr Shamik Banerjee** (18.03.1982), PhD, Institute of Physics, Bhubaneswar.

For his outstanding contributions to study of asymptotic symmetries of quantum gravity and to flat space holography.

6. **Dr Dipanshu Bansal** (20.08.1989), PhD, Department of Mechanical Engineering, IIT Bombay, Mumbai.

For his fundamental contributions in time-resolved mapping of lattice dynamics in real- and momentum-space for better and accurate depiction of several ubiquitous phenomena such as thermal energy transport, phase transition, thermal conductivity etc.

7. **Dr Subhro Bhattacharjee** (14.09.1982), PhD, International Centre for Theoretical Sciences, TIFR, Bengaluru.

For his outstanding contributions to the theory of phase transitions beyond the conventional symmetry-breaking framework, the relation between transport and chaos, and an unexpected connection between granular elasticity and gauge theories.

8. **Dr Arnab Bhattacharjee** (23.12.1982), PhD, School of Computational and Integrative Sciences, Jawaharlal Nehru University, New Delhi.

Dr Bhattacharjee has developed novel multiscale computer simulation techniques to investigate the physical and molecular factors that modulate the accessibility of genes within compact genome assemblies. He has shown how the crowded nuclear environment influences the target search dynamics of DNA binding proteins, and elucidated the various transport modes of proteins on stretches of DNA, with excellent match with the experimental findings.

9. **Dr Hillol Chakdar** (12.04.1984), PhD, ICAR-NBAIM, Kushmaur, Uttar Pradesh.

Dr. Chakdar has developed cost effective and easy to implement methodology for detecting infections of plants by fungal pathogens especially two fungal pathogens of rice. This includes methodology for high throughput DNA isolation, Loop Mediated Isothermal Amplification (LAMP) and a portable device for performing isothermal amplification.

10. **Dr Debashree Chakraborty** (06.06.1982), PhD, Department of Chemistry, National Institute of Technology, Mangalore.

Dr. Chakraborty has made significant contributions in the area of molecular dynamics simulations of complex biomolecular systems using network analysis and other immunoinformatic tools. The use of immunoinformatics techniques accelerates the design, development and optimization process of drug candidates, which, otherwise, is extremely computation-intensive.

11. **Dr Siddhartha Chaudhuri** (30.07.1982), PhD, Adobe Tower, Prestige Tech Park, Bengaluru.

For his fundamental scientific contributions to scalable computational and data driven approaches towards shape understanding, synthesis and re-construction of high quality three-dimensional digital object.

12. **Dr Sabyasachi Das** (30.12.1986), PhD, Manipal University College Malaysia, Bukit Baru, Melaka, Malaysia.

Dr. Sabyasachi Das has made seminal contributions in malaria research of public health importance notably on the drug resistant strains in Indian isolates. He discovered the existence of novel polymorphisms in Kelch protein sequences associated with the Artemisinin resistant *Plasmodium falciparum* in Indian population. Also, he has developed innovative nano mediated drug delivery systems against bacterial infections.

13. **Dr Tamal Das** (13.07.1982), PhD, TIFR Hyderabad, Hyderabad.

Dr Das' research is in collective cellular dynamics that governs embryonic development, wound healing and cancer. Using epithelial monolayers as a model tissue system, his group evaluates forces and stresses that work at cellular and multicellular levels. These studies shed light on the role of so-called leader cells and how individual cells in a tissue tune their mechanosensing ability and structural organization in normal and diseased conditions.

14. **Dr Sonali Garg** (19.09.1987), PhD, Department of Environmental Studies, Systematics Lab, University of Delhi, Delhi.

Dr. Sonali Garg has carried out original and creative research on systematics, taxonomy and biogeography of frogs and other amphibian taxa of the Western Ghats and the northeast Indian region. She has employed traditional and modern molecular tools to circumscribe new species, solve existing taxonomic confusions, and published four dozen new frog species. Dr. Garg has reported a number of novel reproductive and ecological behaviors in frogs that were hitherto unknown to science. She has made sustained and focused research contribution in an area of important global biodiversity and conservation significance located in India.

15. **Dr Srimonta Gayen** (01.04.1982), PhD, Indian Institute of Science, Bangalore.

For his significant contributions on the reversible epigenetic modifications and their role in development and disease. Dr Gayen's work focused on the mechanism of epigenetic regulation through the study of X-chromosome inactivation, imprinting, and stochastic allelic, transcriptional

bursting during early-mammalian development. His work has potential applications in developing a clinical strategy to prevent the gender bias issue in babies born through in vitro fertilization (IVF) and enhancing of IVF success rate.

16. **Dr Jino George** (01.04.1982), PhD, Department of Chemical Sciences, IISER Mohali, Mohali

Dr. Jino George has contributed significantly toward the development and utilization of techniques for controlling chemical as well as physical properties of molecules exploiting the light-matter strong coupling inside Fabry-Perot (FP) cavity. His group has introduced cavity catalysis by strong coupling of the C=O stretching mode of an ester to a FP cavity mode. Further, he introduced the concept of cooperative vibrational coupling that utilizes the coupling of the normal modes of solvent molecules to the cavity modes. He demonstrated that cooperative coupling indeed holds great promise in speeding up chemical reaction rates many fold. This work is a real breakthrough in the field of ‘chemistry under vibrational strong coupling’ and has a tremendous transformative potential. Additionally, his group recently demonstrated the electronic band structure modification of 2D materials under strong coupling.

17. **Dr Amalendu Ghosh** (07.05.1984), PhD, Advanced Centre for Plant Virology, ICAR-Indian Agricultural Research Institute, New Delhi.

Dr. Ghosh has done excellent work on understanding the biology of the interactions between several insects and the viruses that they vector. He has identified insect genes that are involved in development/virus transmission and has made formulations of dsRNA constructs that he is evaluating for application in insect control. He has also developed multiplex PCR assays for identifying insect vectors of tospoviruses.

18. **Dr Sakshi Goel** (09.10.1990), PhD, Department of Biological Sciences & Bioengineering, Indian Institute of Technology, Kanpur (IITK), Kanpur.

Dr. Sakshi Goel, has demonstrated functional significance of a homeobox gene, DLX1 in prostate cancer progression and metastases. Moreover, she also identified therapeutic strategy to target DLX1-positive subset for the treatment of advanced stage prostate cancer. She has also contributed to research projects ongoing in the lab to explore the mechanistic insights of various molecular aspects involved in the progression of prostate and colorectal cancer.

19. **Dr Subhojoy Gupta** (08.02.1983), PhD, Department of Mathematics, Indian Institute of Science, Bangalore.

Subhojoy Gupta’s main research area is the geometry of Riemann surfaces. More specifically, Gupta’s work concerns understanding parameter spaces of Riemann surfaces with additional geometric structures. A point of the Teichmüller space T_g , $g > 1$, is a compact connected marked genus g Riemann surface S . The space of quadratic differentials on S may be identified with the cotangent space of T_g at S . A major theme of the work of Subhojoy deals with relation among several geometric objects that arise in the theory of Riemann surfaces, namely, projective structures on S , the space of meromorphic quadratic differentials on S , the space of measured foliations on S with “crown structures” and the Teichmüller space of such S . In a significant

work, he has shown that the Teichmüller space is not biholomorphic to a bounded symmetric domain with C^2 boundary. Another important result of his is the determination of the image of the monodromy map of meromorphic projective structure (with poles of order greater than 2) as the set of non-degenerate framed representations.

20. **Dr Mohit Kumar Jolly** (15.01.1990), PhD, Biological Sciences Building, Indian Institute of Science, Bangalore.

Dr. Jolly has used a systems-level approach of integrating mechanism- and data-based mathematical models with experimental and clinical data related to metastasis and drug resistance to provide important insights into the dynamics of how cancer cells adapt and survive therapeutic attacks, causing tumors at different organs in the body. This improved dynamical understanding has led to potentially better intervention strategies to curtail cancer metastasis and therapy resistance.

21. **Dr Nirupam Karmakar** (23.09.1987), PhD, Indian Institute of Tropical Meteorology, Pashan, Pune.

Dr. Karmakar has contributed extensively to the understanding of active and break phases of Indian monsoon, and contributed to their relationship with intra-seasonal oscillations and demonstrated that extreme rainfall in the break phases reduces the intensity of following active phase. His study highlights the redistribution of monsoon rainfall periodic and non-periodic modes and provide a way to understand the intraseasonal variability under a global warming scenario.

22. **Dr Mehak Zahoor Khan** (05.06.1991) PhD. National Institute of Immunology, New Delhi.

Dr Mehak's work unveiled the mechanistic understanding of how protein kinase G (PknG) maintained redox homeostasis of *Mycobacterium tuberculosis* (Mtb) through a central metabolic regulator. Her work showcased PknG as a promising drug target to shorten the tuberculosis treatment duration and reduce disease relapse. Additionally, she discovered that oxidative stress altered the conformation of a novel transcription factor-AosR (Actinomycetes oxidative stress response regulator) through intrasubunit disulfide bond formation. Deletion of AosR or its target gene *cysM* dampened the pathogen's ability to combat oxidative stress, attenuating Mtb's intracellular survival.

23. **Dr Vidya Kochat** (26.12.1986), PhD, Materials Science Centre, Indian Institute of Technology, Kharagpur, West Bengal.

For her outstanding work on topological defects and their implications on transport in graphene and on localization phenomena in disordered graphene.

24. **Dr Manas Shreekanth Kulkarni** (06.10.1984), PhD, International Center for Theoretical Sciences (of Tata Institute of Fundamental Research), Bengaluru.

For his groundbreaking work on the phenomena of localization, chaos and transport in isolated and open systems, both quantum and classical.

25. **Dr Modhu Sudan Maji** (13.07.1982), PhD, Department of Chemistry, Indian Institute of Technology Kharagpur, Kharagpur.

Dr. Maji has contributed significantly to the synthesis of natural products in fewer steps employing novel strategies. One such notable reaction is organo-catalytic alkenylation of indoles and pyrroles using aldehydes as alkenylating agents under sequential Brønsted acid and tertiary-amine catalysis. In addition to the development of organocatalysis, he has employed new methodologies using Co catalysts. He has demonstrated for that enolizable ketones are efficient directing groups for several transformation involving C–H bonds. Application of his methods have led to the synthesis of isoquinoline and acridone based alkaloids and other important heterocycles are also realized. The annulative- π -extension reaction paved the way to several polyaromatic hydrocarbons which are highly valuable precursors for the synthesis of organic semiconducting materials.

26. **Dr Vijay Singh Meena** (14.11.1988), PhD, CIMMYT-Borlaug Institute for South Asia (BISA), Pusa, Samastipur, Bihar.

Dr. Vijay Singh Meena has done excellent work in the field of natural resource management for sustainable agricultural production. He identified carbon management index as the key indicator to measure soil degradation in different agro-ecosystems.

27. **Dr Poonam Mehra** (16.11.1988), PhD, Department of Plant Molecular Biology, University of Delhi, New Delhi.

Dr Poonam focused on understanding the mechanisms of phosphate deficiency in modern rice and developing possible approaches to alleviate the problems. She employed multifaceted techniques integrating several functional genomics tools and identified novel candidate genes to impart low phosphate tolerance in rice. Her team genetically engineered three candidate genes to generate low phosphate tolerant rice by enhancing phosphate use efficiency (PUE) or increasing phosphate acquisition efficiency (PAE). Dr Poonam's contributions paved the way for improving low phosphate tolerance of elite rice genotypes through biotechnological interventions.

28. **Dr Sandip Mondal** (25.09.1986), PhD, Department of Electrical Engineering, Indian Institute of Technology Mumbai, Mumbai.

For his contributions on the development of 96 layer-based, low temperature (< 200°C) solution processed tunable flash memory device without the traditional tunneling and blocking layer, and in the development of ultrahigh speed (nano-second) Capacitance–Voltage measurement technique for characterizing the electronic deep traps in solution processed dielectric aluminum oxide phosphate. These resulted some outstanding publications.

29. **Dr Subhronil Mondal** (30.03.1987), PhD, Indian Institute of Science Education and Research (IISER), Kolkata.

Dr. Mondal's research has contributed to studies on spatio-temporal variation of local and regional ecological patterns to examine if local patterns scale up to global patterns. He analyzed different macroecological megatrends to test the established notion that ecological interactions

vary predictably with latitudes and through marine molluscs of the last ~200 Ma and established that ecological interaction show neither proportional nor inverse relationship with latitudes.

30. **Dr Subham Mukherjee** (17.05.1988), PhD, Department of Geology, University of Delhi, Delhi

The nominee has made cutting-edge contributions integrating the fields of petrology, geochemistry and geodynamics. Through his innovative studies he has resolved the antiquity of the CGGC in the East Indian shield and for the first time quantified the nature of crust-mantle interaction *vis-a-vis* repeated felsic magmatism during ~1.70 to ~1.45 Ga and characterized the response of the resulting magmatic rocks during the subsequent super-continental cycles. The fundamental work of the nominee and his co-workers modelled the mechanism and fixed the timing of emergence of the continents (>3 Ga) above the sea level.

31. **Dr Swarnava Mukhopadhyay** (12.11.1986), PhD, School of Mathematics, TIFR, Mumbai.

Swarnava Mukhopadhyay works mainly in Algebraic Geometry and Representation Theory. Swarnava with his collaborators defined special polynomials called graph potentials and constructed a TQFT, which was used to construct mirror partners (in the sense of mirror symmetry) of moduli spaces of vector bundles and to decompose their derived categories. Swarnava used conformal embedding and developed a widely applicable framework for proving/disproving rank-level dualities. By analyzing boundary behavior, he gave applications to the birational geometry of moduli of curves. In another work, Swarnava realized twisted conformal blocks as crossed modular categories and computed their crossed S matrices. This generalized and proved a Verlinde type conjecture which was open for twenty years.

32. **Dr Vignesh Muthusamy** (06.09.1986), PhD, Division of Genetics, ICAR-Indian Agricultural Research Institute, New Delhi.

Dr. Vignesh Muthusamy has made significant contributions for developing nutritionally-rich maize hybrids through genomics-assisted breeding. He has successfully developed provitamin-A rich maize inbreds through marker-assisted selection, which were used to develop world's first provitamin-A rich maize hybrid 'Pusa Vivek QPM- 9 Improved'

33. **Dr Lakshmi Prasad Natarajan** (19.07.1987), PhD, Department of Electrical Engineering, Indian Institute of Technology Hyderabad, Sangareddy.

For his work in cutting-edge coding theory at a very high level of sophistication, including his recent major contribution to a new family of capacity-achieving codes and his earlier work on algebraic coding techniques, index coding, and broadcast channels with side information.

34. **Dr Saraswati Nayar** (19.01.1986), PhD, Division of Plant Molecular Biology, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram.

Dr Nayar demonstrated for the first time the LONELY GUY, a putative cytokinin activating enzyme, has a role in cell division, cell growth, and chloroplast function of *Chlorella*. LONELY GUY's overexpression led to the formation of a stay-green phenotype and a high biomass-

producing strain in *Chlorella*. She also characterized a MADS box transcription factor (TF) for the first time in *Coccomyxa subellipsoidea*, a unicellular green microalga. She discovered that this TF homodimerizes to localize precisely in the nucleus.

35. **Dr Venkatesh Rajendran** (04.05.1987), PhD, Department of Mathematics, IISc, Bengaluru.

The area of specialisation of R. Venkatesh is Kac-Moody algebras and their representations. He obtained a uniqueness theorem for tensor products of irreducible integrable highest weight representations of symmetrizable Kac-Moody algebras, vastly generalising the result for finite dimensional simple Lie algebras obtained by C S Rajan. He obtained a formula for the root multiplicities of a symmetrizable Kac-Moody algebra in terms of the chromatic polynomial of its Dynkin graph. As a consequence, the chromatic polynomial is related to the q -Kostant partition formula. He later generalized this result to the case of Borcherds algebra. Venkatesh obtained a generalisation of a result of G Fourier and P Littelmann concerning fusion product of Demazure submodules of certain integrable highest weight module over an affine Kac-Moody algebra associated to a finite dimensional semi simple Lie algebra. Recently he has developed a Borel-de Siebenthal theory of maximal closed subroot systems for affine reflections system. In the case of real affine Lie algebras, a complete classification of maximal closed subroot system has been obtained.

36. **Dr K Sony Reddy** (15.08.1986), PhD, School of Biotechnology, KIIT University, Bhubaneswar.

Dr. K. Sony Reddy has made outstanding contributions in the biology of malarial parasite infection. Most significant contribution is on elucidating the molecular mechanisms of erythrocyte invasion by *Plasmodium falciparum*. He demonstrated the existence of the essential parasite ligand pfRH5 on the parasite surface in the form of multiprotein complex consisting of two proteins one of them being CyRPA. Most importantly, he demonstrated that CyRPA antibodies potentially neutralized the parasite by abrogating complex formation, suggesting this as a potential target.

37. **Dr Anand Sawant** (02.09.1987), PhD, School of Mathematics TIFR, Mumbai.

Anand Sawant works in the emerging area of A^1 homotopy theory. He has made important progress in recasting this highly abstract theory in terms of relatively concrete geometric concepts. In 2015 Anand, along with Hogadi and Balwe, constructed counterexamples to a conjecture of Asok-Morel regarding the notion of connected components in A^1 homotopy theory. His work with Balwe sheds new light on the important case of anisotropic groups, and is a key input in the characterisation of anisotropic groups in terms of the failure of homotopy invariance of torsors. In another pair of works with Balwe, Anand studies in detail A^1 connected components of birationally ruled surfaces, thereby proving a conjecture of Morel in this context. His recent work with Balwe and Hogadi, is about the interaction of R -equivalence with homotopy theory for norm varieties, and presents a refinement of a result on 0-cycles for these varieties due to Karpenko-Merkurjev.

38. **Dr Asmita Sengupta** (22.03.1986), PhD, Ashoka Trust for Research in Ecology and the Environment Royal Enclave, Bengaluru.

Dr Asmita Sengupta has carried out researches on rhesus macaque, a well-researched primate species. Her research work marks an important effort on the ecology of this primate species, in particular with reference to its role in seed dispersal and recruitment of forest species. Her research confirmed that gut-digested seeds from the rhesus macaque readily germinate and are protected from fungal and other pest attacks. Dr Sengupta has quantified the impact of providing food subsidies to wildlife on their ecological functions. She has demonstrated that large-scale deforestation or environmental pollution can modify ecosystem structure and function which is comparable to a seemingly benign action such as human feeding of wildlife.

39. **Dr Aakansha Sharma** (08.03.1993), PhD, Department of Zoology, University of Delhi, Delhi.

Dr Aakansha Sharma has made important contributions to our understanding of transcriptome-wide changes and overall molecular differences between crucial seasonal metabolic and reproductive life-history states of birds. Several of her research findings are novel to our understanding of the mechanisms behind seasonal migration in birds. Dr Aakansha has raised new important questions with regard to the differences in the control strategy between spring and autumn migrations which occur before and after the breeding season, respectively. Her research demonstrates the context and nature of migratory journey in birds.

40. **Dr Suhas Suresh Shetye** (28.11.1983), PhD, National Institute of Oceanography, Dona Paula, Goa.

Dr Suhas S. Shetye made noteworthy contributions to regional and global carbon biogeochemical processes and acidification of the Southern and North Indian Oceans are based on large dataset. His work highlights the difference in the pH within the oxygen minimum zone of the Arabian Sea and Bay of Bengal; provides rates of ocean acidification in the northern Indian Ocean and its impact on calcareous organisms. His work on CO₂ sequestration in the ocean using natural material such as rice husk that can provide silicates for marine diatoms, and has shown increased production of organic carbon.

41. **Dr Bijay Prakash Tripathi** (06.12.1982), PhD, Department of Materials Science & Engineering, Indian Institute of Technology Delhi, New Delhi.

For his commendable original contributions in molecular grafting and functionalization to impart tunable wetting and anti(-bio) fouling properties in separation membranes by tailoring relevant surface and bulk properties in terms of surface energy, charge, porosity, roughness, wettability, physical and chemical reactivity, and compatibility with organic compounds and foulants useful for novel filtration membranes for separation and purification.

42. **Dr Mayur Vaidya** (22.09.1986), PhD, Indian Institute of Technology Hyderabad, Sangareddy.

For his very significant contribution of deciphering the mechanism of diffusion in high entropy alloys (HEA). The understanding developed through his work will help in the development of better HEAs for novel technological applications.

Recipients of Professor Har Swarup Memorial Award 2022

1. **Dr Namisha Sharma**, National Institute of Plant Genome Research, New Delhi for her paper entitled: *The Sw5a gene confers resistance to ToLCNDV and triggers an HR response after direct ACA effector recognition* published in *Proceedings of the National Academy of Sciences*, United States of America, 118(33): e2101833 118.4.
2. **Dr Kartik Sunagar**, Centre for Ecological Science, Indian Institute of Science, Bangalore for his paper entitled: *Biogeographical venom variation in the Indian spectacled cobra (Naja naja) underscores the pressing need for pan-India efficacious snakebite therapy* published in *PLOS Neglected Tropical Diseases*, <https://doi.org/10.1371/journal.pntd.0009150>.

INSA Teacher Awardees 2022

1. **Professor Indranath Sengupta** (b. 01-04-1970), Discipline of Mathematics, Indian Institute of Technology, Gandhinagar.

Professor Indranath Sengupta is one of the most popular teachers at IIT Gandhinagar. He has an approachable personality and is an excellent listener. His lucid teaching methods ensure that difficult mathematical theories become exciting. Since his earlier days at Jadavpur University, Prof. Sengupta has established himself as a stalwart in mathematical teaching. His impact is clear from the sheer number of his students, many of whom are now faculty members at various premier Indian educational institutes.

2. **Professor Madhuchanda Bhattacharjee** (b. 21-07-1970), School of Mathematics and Statistics, University of Hyderabad, Hyderabad.

Professor Madhuchanda Bhattacharjee has been routinely preparing electronic notes and supplementary materials for all her teaching assignments for past two decades. She has introduced several new courses at the University of Helsinki, the Lancaster University, the University of St Andrews and the University of Hyderabad. Based on her research experience she formulated and introduced courses that became excellent tools for students pursuing research in statistics and related areas. A course on gene expression data analyses, designed and introduced by her, was years ahead of the curriculums of other institutions.

3. **Professor Ananda Dasgupta** (b. 02-05-1970), Department of Physical Sciences, IISER Kolkata, Mohanpur.

Professor Ananda Dasgupta has distinguished himself as a physics educator par excellence, over a wide variety of subjects in physics, both theoretical and computational. His teaching has consistently inspired several students over the past two decades, spanning undergraduate, postgraduate and research levels.

4. **Professor Saugata Bhattacharyya** (b. 06-03-1971), Department of Physics, Vidyasagar College, Kolkata.

Professor Saugata Bhattacharyya has demonstrated an unusual flair for teaching and is a much loved and respected figure in the student community. In particular he was one of the main architects of the Indian Association for the Cultivation of Science summer school for school leaving students, which played a vital role in the professional growth of many impressionable minds, at a crucial juncture in their lives.

5. **Professor Subhendu Sekhar Bag** (b. 01-12-1975), Department of Chemistry, Indian Institute of Technology, Guwahati.

Professor Subhendu Sekhar Bag is recommended for the INSA Teacher Award for his excellence in teaching of chemistry courses at both undergraduate and postgraduate levels, guidance of a large number of M.Sc. and Ph.D. students for their master's doctoral thesis, and also for designing new courses and active participation in outreach activities including development of NPTEL courses.

6. **Professor Satyen Saha** (b. 11-02-1972), Department of Chemistry, Banaras Hindu University, Varanasi.

Professor Satyen Saha 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. and Ph.D. students, and also for active participation in designing laboratory experiments and development of instructional materials for the same and outreach activities to inspire young graduate and undergraduate students.

7. **Professor Dheerendra Kumar Dwivedi** (b. 02-12-1969), Department of Mechanical and Industrial Engineering, Indian Institute of Technology, Roorkee.

Professor Dheerendra Kumar Dwivedi is recommended for the INSA Teacher Award in Engineering and Technology in recognition of his excellence in teaching and research at both undergraduate and postgraduate levels. He has maintained a fine balance between education and research which is an inspiration for other teachers.

8. **Professor Sanjay Gupta** (b. 01-09-1967), Department of Mechanical Engineering, Indian Institute of Technology, Kharagpur.

Professor Sanjay Gupta has demonstrated exemplary commitment and ability in teaching and mentoring students. Prof. Gupta is an outstanding exponent in propagating the domain of Biomechanics and has been championing spread of this field in the country.

9. **Professor Dipak Chandra Pal** (b. 16-09-1972), Department of Geological Sciences, Jadavpur University, Kolkata.

Professor Dipak Chandra Pal is one of the remarkable geoscience teachers in India, and his innovative teaching and research guidance are reflected in the bright performance of graduate as well as doctoral students. He has played a crucial role in developing modern approaches to motivational teaching, especially in geochemistry and economic geology at the undergraduate and post-graduate levels.

10. **Professor Kunzang Chosdol** (b. 01-05-1970), Department of Biochemistry, All India Institute of Medical Sciences, New Delhi.

Professor Kunzang Chosdol is a dedicated, resourceful, and goal-driven professional educator with a firm commitment to the academic as well as social development of students; be at the level

of undergraduate (MBBS) , postgraduate (MD and MSc) or PhD level. She is an accommodating and versatile teacher who pays attention to the individual need of the student and guide them to achieve their goal.

11. **Professor Sanjeev Kumar Singh** (b. 23-08-1975), Department of Bioinformatics, Alagappa University, Karaikudi.

Professor Sanjeev Kumar Singh is one of the renowned researchers and teachers in the field of molecular modeling and computer-aided drug design. He has vast experience in developing educational materials for Biotechnology and bioinformatics courses for universities. He continues to work in the root-level system of rural society to provide the impact of science to society.

12. **Professor Rajat Sandhir** (b. 08-02-1968), Department of Biochemistry, Panjab University, Chandigarh.

Professor Rajat Sandhir has been teaching many courses related to the biochemistry curriculum at both undergraduate and postgraduate levels. He includes real-life examples while teaching and is a popular teacher among the students. He has also delivered many talks during INSPIRE campus to promote neuroscience in the country. He has also been active in curriculum development at Panjab University and other institutions in the country.

13. **Professor Sanjit Dey** (b. 14-08-1969), Department of Physiology, University of Calcutta, Kolkata.

Professor Sanjit Dey's inspirational and innovative mode of teaching has attracted several students to research. Moreover, he popularized science teaching and his collaborative research through popular print media, soft media, and e-learning platforms apart from his scientific publications to society. The best part of his teaching lies in his continuous effort to work for first-generation tribe learners, underprivileged groups, and special children.

14. **Professor Ashis Kumar Nandi** (b. 19-02-1967), School of Life Sciences, Jawaharlal Nehru University, New Delhi.

Professor A. K. Nandi is an inspirational teacher and an active researcher. He has ventured into diverse efforts that attempt to strike a balance between the intellectual and utilitarian aspects in his teaching courses. He has made pioneering contributions to understanding plant immunity development.

15. **Professor Ravindra Nath Kharwar** (b. 14-08-1969), CAS in Botany, Banaras Hindu University, Varanasi.

Professor R. N. Kharwar has been chosen for the INSA Teacher Award in recognition of his excellence in teaching of plant science courses at both undergraduate and postgraduate levels including guidance of a large number of Ph.D. students for their doctoral thesis. In addition, he is an excellent researcher and has proved himself in the field of fungal and actinobacterial endophytic research.

**RECIPIENTS OF MEDALS/LECTURES/AWARDS
DURING 2021 and 2022**

GENERAL MEDALS & LECTURE AWARDS

Chandrasekhara Venkata Raman Medal

2022 Archana Bhattacharyya

Shanti Swarup Bhatnagar Medal

2022 T Ramamurthy

KS Krishnan Memorial Lecture

2022 HK Majumder

INTERNATIONAL AWARDS

INSA-Vainu Bappu Memorial Award

2022 AR Choudhuri

Jagadis Chandra Bose Memorial Lecture

2022 Katepalli R Sreenivasan

SUBJECTWISE MEDALS / LECTURES / AWARDS

Srinivasa Ramanujan Medal

2022 SK Khanduja

Jagadis Chandra Bose Medal

2022 Paturu Kondaiah

Silver Jubilee Commemoration Medal

2022 Manoj Prasad

Golden Jubilee Commemoration Medal (Chemical Sciences)

2022 TK Chakraborty

Professor Brahm Prakash Memorial Medal

2022 V Kumaran

Professor K Naha Memorial Medal

2022 AK Jain

Professor Mihir Chowdhury Memorial Medal

2022 TK Chandrashekar

Professor SK Joshi Memorial Medal

2021 S Ananthkrishnan

Professor Deepak Gaur Memorial Medal

2022 Narinder K Mehra

Professor S Swaminathan 60th Birthday Commemoration Lecture

2022 Ashwini Nangia

Professor Darshan Ranganathan Memorial Lecture

2022 Ramanathan Sowdhamini

Professor Vishnu Vasudeva Narlikar Memorial Lecture

2021 BV Rajarama Bhat

Professor Vishwa Nath Memorial Lecture

2021 Sagar Sengupta

Dr Biren Roy Memorial Lecture

2022 Sunil Mukhi

ACADEMY ORATIONS

Anandibai Joshee Oration

2022 MV Padma Srivastava

Kadambini Ganguly Oration

2022 Mitali Chatterjee

INTERNATIONAL PROGRAMMES

INTERNATIONAL PROGRAMMES

International relations in science are important not only for exchange of scientific information through scientific conferences, networking events and publications, but also for promoting international understanding among scientists of different nations through participation in scientific programs and promoting collaboration in special fields through exchange of personnel. To make these objectives functional, the Academy has launched a range of international activities since the past three decades

I. ADHERENCE TO THE INTERNATIONAL SCIENCE COUNCIL (ISC)

The International Science Council (ISC), formerly known as International Council for Science (ICSU) is a non-governmental organization. It 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). Currently, ISC functions 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 organizations (in this case INSA), their views regarding organizational 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, respective National Committees recommend scientists to represent the adhering organization at the General Assembly or 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 Indian National Science Academy reconstituted its National Committees for the next block of four years (2020-2023). Currently, there are 20 national committees that coordinate their activities 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. Indian scientists occupying important positions in different ISC bodies are given below.

ISC National Committee from India comprises of the following: President, INSA as the Chairperson and includes all the Vice-Presidents of the Academy and Chairpersons of all National Committees of INSA 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</i> , IUBS (2019-2022)
Professor Archana Bhattacharyya	<i>Member</i> , IUGG Council (2019-2023)
Dr V Prakash	<i>Vice President</i> , IUNS (2017-2021) <i>President</i> , IUFoST (2020-2022)
Dr Ajit Kembhavi	<i>Member</i> , Executive Committee, CODATA (2021-2023)
Professor Sanjay Mittal	<i>Member</i> , IUTAM Congress Committee (2020-24)
Professor T R Ramadas	<i>Member at Large</i> , IMU Executive Committee (2019-2022)
Dr Dipendra Prasad	<i>President</i> , Commission for Developing countries (CDC) of IMU (2019-2022)
Dr Bipul Behari Saha	<i>Member</i> , IUPAC Bureau (2020-23)
Dr M. Ravichandran	<i>Vice President</i> , SCAR (2018-2022)
Professor N C Pant	<i>Deputy Chief Officer</i> , SCAR Geoscience Group (2016-2022)
Dr Rahul Mohan	<i>Member</i> , SCAR-CBET Group (2018-2022)
Professor DM Banerjee	<i>Member</i> , UNESCO-IGCP Scientific Board (2020-23)
Dr Pradeep Srivastava	<i>Member</i> , Scientific Steering Committee of IGBP-PAGES core Project (2021-24)

Dr. KVR Chary, Councilor, IUPAB (2022-2025) passed away on 30 September 2022

II. SCIENTIFIC COOPERATION WITH THE ACADEMIES/ORGANISATIONS OF FOREIGN COUNTRIES (For details see INSA website: www.insaindia.res.in)

International Bilateral Cooperation with Overseas Academies: Since 1968, the Academy has been successfully collaborating with scientific academies/organizations abroad by exchanging research experience and scientific information. Such a relationship is achieved usually through bilateral cooperation involving exchange of scientists' visits, joint research projects, organization and participation in the joint symposia/seminars and other scientific activities. The international collaboration and exchange program are carried out by facilitating contacts of individuals/scientific institutions in India and abroad on the basis of formal Agreement/MoU established with the 59 overseas academies/organizations in 50 countries (List as follows).

S.No	Country	Name of the Academy
1	Afghanistan	The Academy of Sciences of the Islamic Republic of Afghanistan
2	Argentina	Academia Nacional De Ciencias Exactas, Fisicas Y Naturales, Argentina
3	Armenia	National Academy of Sciences of the Republic of Armenia, Armenia
4	Australia	Australian Academy of Sciences, Canberra
5	Austria	The Austrian Academy of Sciences, Austria

6	Bangladesh	Bangladesh Academy of Sciences, Bangladesh
7	Belarus	The Academy of Sciences of Belarus, Minsk
8	Belgrade	Serbian Academy of Sciences & Arts, Belgrade
9	Brazil	Brazilian Academy of Science (BAS), Brazil National Council for Scientific and Technological Development, The Federative Republic of Brazil*
10	Canada	Royal Society of Canada, Canada
11	China	Chinese Academy of Sciences, China
12	Cuba	Academiade Cienciasde Cuba, Cuba
13	Czech Republic	Academy of Sciences of the Czech Republic (ASCR), Prague
14	Finland	The delegation of the Finnish Academies of Science and letters, Finland
15	France	French Academy of Sciences (FAS), Paris
16	Germany	The Deutsche Forschungsgemeinschaft (DFG), Bonn, Germany Berlin-Brandenburg Academy of Sciences and Humanities, Berlin The German Academy of Sciences, Leopoldina
17	Hungary	The Hungarian Academy of Sciences (HAS), Budapest, Hungary*
18	Iran	Academy of Sciences of the Islamic Republic of Iran
19	Ireland	Science Foundation Ireland (SFI), Ireland
20	Israel	The Israel Academy of Sciences & Humanities, Jerusalem*
21	Japan	The Japan Society for the Promotion of Science (JSPS), Tokyo, Japan
22	Jordan	Royal Scientific Society, Jordan
23	Kenya	African Academy of Sciences, Nairobi, Kenya
24	Korea (South)	The Korea Science & Engineering Foundation (KOSEF), Seoul Korean Academy of Science & Technology (KAST), Seoul Korea Research Foundation (KRF), Seoul
25	Korea (North)	The State Academy of the DPR Korea, Pyongyang
26	Kyrgyz Republic	The National Academy of Sciences of the Kyrgyz Republic, Kyrgyz Republic
27	Mongolia	Mongolian Academy of Sciences
28	Mauritius	The Mauritius Academy of Science and Technology (MAST), Mauritius
29	Morocco	Hassan II Academy of Science and Technology, Morocco
30	Nepal	Royal Nepal Academy of Science and Technology (RONAST), Nepal
31	The Netherlands	The Royal Netherlands Academy of Arts and Sciences, Netherlands
32	Norway	The Norwegian Academy of Science and Letters, Norway
33	Pakistan	Pakistan Academy of Sciences, Pakistan
34	Philippines	National Academy of Science and Technology of the Philippines, Philippines
35	Poland	Polish Academy of Sciences, Warsaw, Poland*
36	Russia	The Russian Academy of Sciences, Moscow Far Eastern Branch of Russian Academy of Sciences (Russian Federation)
37	Slovakia	The Slovak Academy of Sciences, Slovakia
38	Slovenia	The Slovenian Academy of Sciences and Arts, Slovenia* The Slovenian Science Foundation, Slovenia
39	South Africa	Academy of Science of South Africa

40	Sri Lanka	The National Academy of Sciences of Sri Lanka (NASSL), Colombo, Sri Lanka
41	Sudan	Sudan Academy of Sciences (SAS)
42	Sweden	Royal Swedish Academy of Sciences, Sweden KTH The Royal Institute of Technology, Stockholm, Sweden
43	Taiwan	Academia Sinica, Taiwan
44	Turkey	Turkish Academy of Sciences, Turkey
45	UK	The Royal Society of Edinburgh, Scotland, UK* The Royal Society of London, UK
46	Ukraine	The Ukrainian Academy of Sciences, Ukraine
47	USA	The U.S. National Academy of Sciences, USA
48	Uzbekistan	The Academy of Sciences of Uzbekistan, Tashkent
49	Vietnam	National Centre for Scientific Research, Vietnam
50	Yugoslavia	The Council of Academies of Sciences and Arts of SFRY, Yugoslavia

*active collaborations with academies

Etienne Wolff and Ramanujan Lecture Series: Beginning 2005, the Academy in association with the French Academy of Sciences instituted the “Etienne Wolff and Ramanujan Lecture Series” to be organized 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 a series of Lectures abroad not restricted to countries with which the Academy has exchange program.

INSA-German National Academy of Sciences, Leopoldina Lecture Series: INSA and German National Academy of Sciences, Leopoldina have jointly taken up the initiative to establish Lecture series between the two academies. A senior Indian speaker delivers a (or a series of) lecture/s in Germany in one year and alternatively, a German scientist in India in the following year. This activity of lecture series is in addition to the Indo-German Joint Symposia.

Inter Academy Partnership (IAP): The Academy has been a member of the IAP: “the Global Network of Science Academies” since 1994 and coordinating and participating in its various programs on science education, capacity building, water and access to scientific information/digital divide, women and health education and other such activities. 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 the 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 namely, the Inter Academy Partnership (IAP) that permits the three “inter- academy” Networks to speak with one voice and thus have greater impact on global issues of common interest. The three

main components of Inter Academy Partnership are: IAP for Science (formerly IAP), IAP for Health (formerly IAMP) and IAP for Research (formerly IAC). In addition, important contributions are made by the four regional networks of IAP namely, Association of academies and Societies in Asia (AASSA), Network of African Science Academies (NASAC), Inter American Network of Academies of Sciences (IANAS) and European Academies' Advisory Council (EASAC). The IAP with its secretariat in Trieste Italy has over 30,000 leading scientists, engineers and health professionals in over 100 countries represents 140 member academies of science, medicine and engineering from around the world. INSA is an active member of the Inter Academy Partnership.

Association of Academies and Societies of Sciences in Asia (AASSA): The Academy, a founder member organization 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 the Asian science academies and other national scientific organizations. SCA aims to provide scientists in all fields, including cultural, 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 Organizations (TWNISO): The Academy as a member organization of the World Academy of Sciences (TWAS)/Third World Network of Scientific Organizations (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

Chairs for Inviting Overseas Scientists: In order to facilitate interaction with distinguished overseas scientists with their Indian counterparts, the Academy has established the following six chairs named after eminent and notable Indian scientists: Professor PC Ray, Dr Vikram Sarabhai, Professor DS Kothari, Professor AS Paintal, Professor BP Pal and Professor 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. The minimum period of fellowship is one month to a maximum of six months.

From FY 2023-24, under this scheme a consolidated amount of Rs. 30,000/- p.m. will be paid towards boarding, lodging and incidental expenses. The travel expenditure from parent to the visiting institute will be reimbursed separately on production of ticket as per the entitlement of the Visiting Scientist. All payments should be made to the parent institute.

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. 1,00,000/- each to a maximum of 40 conferences from the Financial Year 2023-24 for National/International conferences/symposia/seminars/summer/winter schools. However, the number of sanctions may be increased depending upon the availability of funds.

An advertisement inviting applications for holding seminar/conferences will be made twice in a year on INSA Website and selection committee meeting will be convened accordingly.

For detailed guidelines refer INSA website <https://www.insaindia.res.in/seminar.php>

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 Saha: His Science and Persona through selected letters and writings, Biomaterials Science and Implants, Fellowships and Funding Opportunities for School Students: The Way Forward, 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), Bengaluru 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)

In 2014 during December council meeting INSA decided to establish Indian National Young Academy of Sciences (INYAS). Initially 20 members who were INSA young scientist, not exceeding the age of 40 years, got selected as INYAS founding members. The membership is for a fixed period of five years. Every year new members are selected. Eight INYAS members and Chair, INYAS comprises a working group (core committee) to 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/.

INSA PANEL & INTER-ACADEMY PANEL ON 'WOMEN IN SCIENCE'

The Indian National Science Academy established an INSA panel on Women in Science (refer p 234). In addition, an Inter-Academy Panel on Women in Science (refer p 235) 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 234). In addition, an Inter-Academy Panel on Ethics in Science has been set up (refer p 236). 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 *Pb.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

INSA-JRD TATA FELLOWSHIP

Indian National Science Academy (INSA), in the year 2001, instituted the INSA-JRD TATA Fellowship in honour of Late Shri Jehangir Ratanji Dadabhoj Tata popularly known as J R D Tata, an Indian aviator, industrialist, entrepreneur, philanthropist and a leading visionary. The fellowship was established from an endowment fund received from Sir Dorabji Tata Trust to foster advanced research training of scientists from the developing world and promote scientific cooperation. The purpose of this fellowship is to extend facilities of the advanced scientific infrastructure and expertise of Indian scientist to scientists and researchers of developing countries. The duration of fellowship is for a period of 3 months. Normally, 20 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

On behalf of Department of Science and Technology (DST), Government of India, New Delhi, since 2020, INSA is the implementing agency for their flagship proggame INDIA SCIENCE AND RESEARCH FELLOWSHIP (ISRF). The programme is fully funded by the Department of Science & Technology. Up to 70 fellowships are awarded annually under this scheme. As India is into partnerships with the neighbouring countries to foster 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 which is one of the mandates of DST's International Science and Technology Cooperation. The fellowship aims to provide opportunity to scientists and researchers from 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. The fellowship applications are invited only once in a year and selection is through a committee duly constituted by the Academy. 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.

INFORMATICS

The Informatics Centre of the Academy encompasses Computer Centre, Library and INSA Archives.

Hybrid mode online Activities

After the COVID-19 pandemic, all the INSA activities were conducted in hybrid mode. National and International meetings, Council meetings, Webinars, Book releases, different committee meetings, symposiums, and in-house office activities were conducted in hybrid mode along with in person meetings in the Academy.

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

The Cloud and WIPS based CISCO Meraki Wi-Fi facility has been implemented and maintained in entire INSA premises.

Online Journal Portal is <https://insa.nic.in>

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 <https://insa.nic.in>. The journal website <https://insa.nic.in> is working under the supervision of NIC cloud server support team.

Another website www.insaindia.res.in is INSA's official website to interact with social environment. It covers the INSA's core day-to-day activities like Fellowship, Council, Objectives, Regulations, Committees, Local chapters, Academy Awards, etc.

DST- National Knowledge Resource Consortium

Through DST-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.

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.

Social Media Handles

YouTube: <https://www.youtube.com/c/insasince1935>

Facebook: <https://www.facebook.com/insaindiaresin>

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.

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 setup to further boost e-communication culture in the Academy with sectional email accounts as well as bulk email service being facilitated via National Informatics Centre. Online interviews for INSPIRE-DST candidates have been conducted through Video-Conference, Microsoft Teams, Cisco WebEx, Zoom, Google Meet and through 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.

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, INSA News Letter, 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 etc.

The journal is being co-published with M/s Springer Nature from the year 2021.

Indian Journal of History of Science

The journal is published under the guidance of Indian National Commission for History of Science set up by the Academy. It was 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. The journal is being co-published with M/s Springer Nature from the year 2021. The journal is freely available at <https://insa.nic.in/UI/journaldetails.aspx?AID=Mw==>

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, 43 Volumes containing more than 571 memoirs has been published.

Year Book: First Issued in 1960.

Special Publications are brought out from time to time. A special publication, *Jiddi-The Zealous Ones*, by Dr. Sulabha Kashinath Kulkarni, FNA, FNASc, was 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.

FELLOWS AND FOREIGN FELLOWS DECEASED SINCE THE FOUNDING OF THE ACADEMY

FELLOWS

Abhyankar KD	Awati PR	Bhaduri AN
Abhyankar SS	Ayyangar GNR	Bhaduri JL
Abraham KP	Bachhawat BK	Bhaduri PN
Abraham WEV	Bagchee KD	Bhagavantam S
Abrol YP	Bagchi KN	Bhakuni DS
Adiga PR	Bahadur R	Bhakuni Vinod
Agarwal SC	Bahl KN	Bhan MK
Agarwal SS	Baini Prasad	Bhar JN
Agarwala SC	Balbhadra Prasad	Bhardwaja Y
Agharkar SP	Baldev Raj	Bhargava KP
Ahmad B	Baliah V	Bhargava KS
Ahmad F	Banerjee DK	Bharucha FR
Ahmad N	Banerjee H	Bhaskaran K
Ahuja PS	Banerjee K	Bhaskara Sastri TP
Aiyar RG	Banerjee PK	Bhat JV
Ajrekar SL	Banerjee S	Bhatia BL
Ali SM	Banerjee Srikumar	Bhatia Chittranjan*
Ambasht RS	Banerjee T	Bhatia IS
Anand Bal Krishan	Banerji AC	Bhatia ML
Ananda Rau K	Banerji I	Bhatnagar PL
Ananthakrishnan RI	Banerji SK	Bhatnagar SS
Ananthakrishnan SV	Bappu MKV	Bhatt MV
Ananthakrishnan TN	Bardhan JC	Bhattacharya DR
Anantharaman TR	Barnabas J	Bhattacharya P
Antia DP	Basu BC	Bhattacharya SK
Antia KF	Basu Debidas	Bhattacharyya A
Apparao KMV*	Basu JK	Bhattacharyya Bhabatarak
Arya AS	Basu JN	Bhattacharyya JC
Asana RD	Basu Kalipada	Bhattacharyya Kankan*
Ash WC	Basu NM	Bhattacharyya PK
Asundi RK	Basu S	Bhattacharyya SC
Aswathanarayana U	Basu Saradindu	Bhattacharyya Sudhir K
Atma Ram	Basu UP	Bhide VG
Auden JB	Beeson CFC	Bhimachar BS
Auluck FC	Berkeley-Hill OAR	Bhimsankaran VLS
Awasthi DD	Bhabha HJ	Bhisey AN

Bhowmik BB	Chakravorty M	Das AK
Bilgrami KS	Champion HG	Das BK
Bir SS	Chandrasekhar S	Das BN
Biswas AB	Chandrasekharan K	Das Jaineswar
Biswas BB	Chandrashekar MK	Das Jyotirmoy
Biswas K	Chary KVR*	Das K
Biswas NN	Chatterjea JB	Das MR
Biswas SN	Chatterjea JN	Das PK
Biswas Sukumar	Chatterjee A	Das Gupta CR
Bomford G	Chatterjee B	Dasgupta MK
Bor NL	Chatterjee G	Das Gupta NN
Bose A	Chatterjee IB	Dasgupta Somesh
Bose AK	Chatterjee GP	Das Gupta SN
Bose DM	Chatterjee NC	Dastur DK
Bose GS	Chatterjee SC	Dastur JF
Bose JC	Chatterjee SD	Dastur RH
Bose JP	Chattoo BB	Datey KK
Bose MK	Chattopadhyaya KP	Datta AG
Bose MN	Chaturvedi UC*	Datta Sachhingananda
Bose Nirmal Kumar	Chaudhuri H	Datta Snehamoy
Bose Nolini Kanto	Chaudhuri RN	Dayal B
Bose PC	Chawla MM	De MN
Bose PK	Chhibber HL	De P
Bose RC	Chinoy JJ	De Rajat
Bose SN	Chitre SM	Deb SS
Bose SR	Chopra BN	Deodikar GB
Brahm Prakash	Chopra RN	Desai RD
Brahmachari UN	Chopra KL	Deshpande BG
Buchi EC	Chopra SRK	Deshpande DL
Burma DP	Chopra VL	Desikachary TV
Burns W	Choudhury B	Dessau Gabor
Burridge W	Chowdhury AB	Dewan IJ
Burt BC	Chowdhury JK	Dey AK
	Chowdhury KA	Dey BB
Cadambe V	Chowdhury Mihir	Dhar ML
Calder CC	Chowla S	Dhar MM
Chakrabarty SK	Clegg ELG	Dhar NR
Chakravarti D	Coates JC	Dhar SC
Chakravarti DN	Couchman HJ	Dhawan BN
Chakravarti R	Coulson AL	Dhawan S
Chakravarti Ram N	Crookshank H	Dikshit BB
Chakravarti Rabindra N		Dinesh Mohan
Chakravarti SN	Damodaran M	Divatia AS
Chakravarty C	Daniel RR	Dixit KR

Dogra PD	George MV	Gupta HR
Dominic CJ	Ghatage VM	Gupta J
Doraiswamy LK	Ghatak UR	Gupta JC
Doss KSG	Ghidyal BP	Gupta S
Dubey GK	Ghose SL	Guptasarma Dharmajit
Dumir VC	Ghose AMN	Guraya SS
Dunn JA	Ghosh A	
Dunncliff HB	Ghosh BN	Haddow JR
Dutt AB	Ghosh CS	Har Swarup
Dutt SB	Ghosh J	Hariharan P
Dutta AK	Ghosh JC	Harish Chandra
Dutta GP	Ghosh JK	Hasan M
Dutta NK	Ghosh NL	Heilig Robert
Dutta PC	Ghosh PK	Hendry D
Dutta Roy RK	Ghosh PN	Heron AM
	Ghosh RN	Hora SL
Ekambram T	Ghosh SN	Huque MA
Elwin V	Ghosh Satyeswar	Husain MA
Esh GC	Ghosh Subir Kr	Hutton JH
Evans P	Ghosh Suddhodan	Huzurbazar VS
	Ghosh Sudhamoy	
Fermor LL	Ghosh TK	
Finch GL	Ghosh TN	Ishaq Mohammed
Forster MO	Ghurye GS	Iyengar MOP
Fowler GJ	Gill KS	Iyengar PK
Fox CS	Gill PS	Iyer LKA
	Giri KV	Iyer PVK
Gajri PR	Glennie EA	
Ganapathi K	Gnanam A	Jacob TM
Ganapati PN	Gopal-Ayengar AR	Jagannathan V
Gandhi Indira	Gopala Rao RV	Jai Krishna
Gandhi RP	Gopalan C	Jain AC
Ganesh Prasad	Gopinath N	Jain GC
Gangulee Hirendra C	Govil Girjesh	Jain HK
Ganguli HC	Govindachari TR	Jain SC
Ganguly AK	Govindaswamy MV	Jain SK
Ganguly J	Gravelly FH	Janaki Ammal EK
Ganguly NC	Greval SDS	Jayaraman R
Ganguly PB	Guha BC	Jhingran AG
Ganju PN	Guha BS	Jhingran VG
Garde RJ	Guha PC	Job TJ
Gaur Deepak	Gulatee BL	Joglekar DV
Gayen AK	Gupta AS	Johri BM
Gee ER	Gupta BM	Joshi AB

Joshi AC	Krishna Rao GS	Maitra Ashok P
Joshi BS	Krishnan KS	Maitra PK
Joshi SK	Krishnan KV	Majumdar CK
Joshi SS	Krishnan MS	Majumdar DN
Jussawalla DJ	Krishnan PS	Majumdar GP
Kadam BS	Krishnan RS	Majumdar RC
Kailasam LN	Krishnaswami KR	Malhotra DR
Kallianpur G	Krishnaswami S	Malhotra PK
Kanungo MS	Kulkarni AB	Malik CP
Kanwar JS	Kulkarni BD	Malik SK
Kapahi VK	Kumar LSS	Malurkar SL
Kapil RN	Kumar Narendra	Mangalik VS
Kapil RS	Kumar Sushil	Mani AM
Kapur JN	Kundu Anjan	Manna GK
Kapur SN	Kundu BC	Manoharan PT
Kar AB	Kundu DN	Mata Prasad
Kasliwal RM	Kushwaha RS	Mathur HB
Katiyar SS	Lahiri A	Mathur KK
Kaushal Kishore	Lahiri DB	Mathur KS
Kaw PK	Lakhanpal RN	Matthai G
Kedharnath S	Lal Devendra	Mehra HR
Kenkare UW	Lal KB	Mehra PN
Khan Abrar M	Lal MB	Mehra SR
Khan Hamid	Lal RB	Mehrotra KN
Khanolkar VR	Lal RK	Mehrotra RC
Khastgir SR	Lala AK	Mehta KC
Khatri CG	Law SC	Mehta SM
Khattri KN	Lawande SV	Mehta VB
Khetrapal CL	Laumas KR	Menon KKG
Khoshoo TN	Lewis CG	Menon MGK
Khosla AN		Menon PK
Khurana JP	Macgregor RA	Merh SS*
Kichlu PK	Macmahon PS	Metcalfe EP
Kilpady Sripadrao	Madhava KB	Metre WB
King CA	Madhava Rao BS	Mills JP
Kini MG	Mahabale TS	Minakshisundaram S
Knowles R	Mahadevan C	Mishra RS
Kosambi DD	Mahajan RC	Misra R
Koshy PK	Mahajani GS	Misra RC
Koteswaram P	Mahalanobis PC	Mitra AN*
Kothari DS	Mahanti PC	Mitra AP
Kothari LS	Maheshwari P	Mitra HK
Kothavala ZR	Maheshwari SC	Mitra K
Krishna Murti CR	Maitra AN	Mitra RP

Mitra S	Nair KR	Pande IC
Mitra SC	Nair NBK	Pande SK
Mitra Sisir Kumar	Nair US	Pandeya SC
Mitra Sujit Kumar	Nakra BC	Pandit CG
Mitra SN	Nanda J	Pandita PN
Mitter GC	Nanda KK	Pandya AH
Mitter PC	Nanjundayya C	Pandya SP
Modak NV	Naqvi SM	Panikkar NK
Modi VV	Narain Hari	Panja G
Moghe MA	Narasimham NA	Panse VG
Mohammad Wali	Narasimham NS	Pant DD
Mohan Ram HY	Narasimhan MS	Pant NC
Mohanty PK	Narasimhan PT	Paranjpe GR
Mookerjee HK	Narasimhan R	Paranjpye RP
Mookerjee RN	Narayan AL	Parija P
Mookerjee S	Narayana B	Parkinson PE
Mookherjee A	Narayanan ES	Parthasarathy N
Moudgal NR	Narayanamurty D	Parthasarathy S
Mowdawalla FN	Narayanaswamy Srinivasan	Pasricha CL
Mudaliar AR	Narlikar VV	Passi IBS
Mukerjee SK	Nasipuri D	Patel CC
Mukerjee SM	Natarajan P	Patwardhan VN
Mukerji B	Nath Indira	Paul RC
Mukerji S	Nath MC	Penman D
Mukherjee AS	Nayar KK	Percival FG
Mukherjee JN	Nayudamma Y	Peters B
Mukherjee KC	Nehru Jawaharlal	Philpot HP
Mukherjee P	Neogi P	Pichamuthu CS
Mukherjee Surath Kumar	Nigam HL	Pillai MKK
Mukherjee Sushil Kumar	Nijhawan BR	Pinfold ES
Mukherji SM	Nityanand Swarn	Pisharoty PR
Mundkur BB	Normand Charles WB	Pradhan S
Murty BR	Notani NK	Pradhan SK
Murthy YS		Prakash Ishwar
	Olver Arthur	Prakash Shyam
Nag BR		Pramanick SK
Nagappa Y	Padayatty JD	Prasad BN
Nagarajan S	Paintal AS	Prasad MRN
Nagaraju J	Padmanabhan Thanu	Prihar SS
Nagchaudhury BD	Pakrashi SC	Pruthi HS
Nagendra Nath NS	Pal BP	Puri BR
Naha K	Pal RK	Puri V
Naidu PRJ	Pal Yash	Purkayastha RP
Naik KG	Palit SR	

Qasim SZ	Randhawa MS	Raychaudhuri Sachi P
Qureshi M	Randhawa NS	Raychaudhuri Satya P
	Ranganathan D	Raychaudhuri Syama P
Racine C	Ranganathan S	Reddy GM
Radhakrishna BP	Rangarajan SK	Reddy CRRM
Radhakrishnan AN	Rangaswami S	Rodrigues VF
Raghavan S	Rao AK	Rohatgi-Mukherjee KK
Raghavarao R	Rao AR	Roonwal ML
Raizada MB	Rao BR	Row LR
Rajagopal CT	Rao Bellur Rama	Row R
Raja Gopal ES	Rao BS	Roy Amalendu
Rajasekarasetty MR	Rao CRN	Roy AK
Rajnath	Rao CV	Roy BB
Raju SP	Rao CVH	Roy BC
Rakshit H	Rao HS	Roy DP
Ram Behari	Rao KR	Roy RP
Ramachandra K	Rao KR	Roy Supriya
Ramachandran Arcot	Rao LR	Roy SK
Ramachandran LK	Rao MVR	Roy Sarat Chandra
Ramachandran GN	Rao NGP	Roy Sures Chandra
Rama Das VS	Rao NSG	Roy SN
Ramakrishnan T	Rao NVS	Royds T
Ramalingaswami V	Rao P Ramachandra	Rudriah N*
Ramamurti B	Rao PS	
Ramamurti V	Rao SRN	Sachdev PL
Ramamurthy B	Rao SR	Sadashiva BK*
Raman CV	Rao SRV*	Sadasivan TS
Ramanathan KG	Rao TR	Sadhu DP
Ramanathan KR	Rao UR	Saha Ajit Kumar (E. 1959)
Ramanathan N	Rao VSR	Saha Ajit Kumar (E. 1968)
Ramanujam Srinivasa (E. 1948)	Rastogi RP	Saha Amulya Kumar
Ramanujam Srinivasa (E. 1983)	Rastogi RG	Saha MN
Ramasarma T	Ray AP	Saha NK
Ramaseshan S	Ray BB	Sahni B
Ramaswami LS	Ray HN	Sahni MR
Ramaswamy GS	Ray JC	Saksena RK
Ramaniah MV	Ray JN	Saksena SB
Ramanna R	Ray M	Salim Ali MA
Ramdas LA	Ray NK	Sandhu SS
Ramesh R	Ray PC	Santapau H
Ramiah K	Ray PR	Santappa Mushi
Ram Udar	Ray RC	Sanyal GS
Ranadive KJ	Ray SN	Sanyal SC
Randhawa HS	Raychaudhuri AK	Sarabhai VA

Sarkar JK	Sethna HN	Sircar AC
Sarkar Pulin Bihari (E. 1935)	Setna SB	Sircar SM
Sarkar Pulin Bihari (E. 1946)	Sewell RBS	Sircar SC
Sarkar SN	Shah RC	Sivaraman C
Sarkar SS	Shah SM	Sohi HS
Sarma PS	Shah VC	Sohoni VV
Sarma YSRK	Shankar Jagdish	Sokhey SS
Sastri MVC	Shanmugam G	Somayajulu BLK
Sastri VV	Sharif M	Sondhi VP
Sastry PS	Sharma Archana	Soparkar BM
Sathyanesan AG	Sharma AK	Spencer E
Satya Swaroop	Sharma GP	Sreekantan BV
Satyamurthy NS	Sharma KN	Sreenivasan A
Savur SR	Sharma Tikaram	Sri Krishna
Sawhney K	Sharma VK	Srikrishna A
Saxena PN	Sharma VP	Srinivasan MS
Saxena RN	Shastry SVS	Srinivasan R
Seal SC	Shaw FJF	Sri Niwas
Sekhon GS	Sheth AR	Sriramachari S
Sen AB	Shortt HE	Srivastava BN
Sen B	Shri Ranjan	Srivastava HD
Sen BM	Shrikhande SS	Srivastava ON
Sen HG	Siddiqi Obaid	Srivastava PL
Sen HK	Siddique HN	Srivastava PN
Sen JM	Siddiqi MR	Srivastava US
Sen KC	Sikka SM	Stewart AD
Sen NK	Simpson RR	Subba Rao GV
Sen NR	Singh B	Subba Rao Kalluri
Sen PK	Singh BK	Subbarayappa BV
Sen RN	Singh Bajj Nath	Subrahmanyam NC
Sen SK	Singh Bhola Nath	Subramaniam AP
Sen SN	Singh Digvijai	Subramanian CV
Sen SP	Singh IB	Subramanyam K
Sengupta JC	Singh Inderjit	Subramanian V
Sengupta M	Singh J	Sudarshan ECG
Sengupta NN	Singh Lalji	Sukhatme PV
Sengupta P	Singh RP	Sukheswala RN
Sengupta SM	Singh S	Sulaiman SM
Seshachar BR	Singh SN	Sundaram CV
Seshadri CS	Singhwi KS	Sundaram K
Seshadri TR	Sinha AKP	Sundararaj B
Seshaiya RV	Sinha MS	Sundararaj BI
Seth BR	Sinha SK	Sur NK
Seth PK	Sinton JA	Surange KR

Suxena MR	Trivedi BS	Verma AR
Swaminathan M	Trivedi H	Verma JP
Swarup G		Venkoba Rao A
Swarup K	Udayakumar M	Verman LC
	Udgaonkar BM	Vig OP
Tandon BN	Udupa HVK	Vijayan M*
Tandon HD	Ukil AC	Vijayaraghavacharya T
Tandon RN	Uppal BN	Vijayaraghavan T
Tandon SL	Uppal HL	Vishwa Nath
Tata JRD		Vishwanath B
Tawde NR	Vachell ET	Vishwanathan R
Taylor J	Vaidya PC	Vishwanathiah MN
Temple FC	Vaidya WM	Viswamitra MA
Thacker MS	Vaidyanathan CS	
Thapar GS	Vaidyanath LR	Wadia DN
Thapliyal JP	Vakil RJ	Wadia NH
Thathachar MAL	Valdiya KS	Wahi PN
Thind KS	Varadachari VVR	Ware F
Thirumalachar MJ	Varadarajan S*	West WD
Thiruvenkatachar VR	Varma RK	Wheeler REM
Thomas Joseph	Varma RS	Wheeler TS
Thosar BV	Vasudeva RS	Wraight EA
Tilak BD	Venkataraman K	
Tirumurti TS	Venkataraman GS	Yadava JNS
Toshniwal GR	Venkataraman TS	Yadava SL
Trehan SK	Venkatesachar B	Yajnik NA
Trevor CG	Venkateswarlu J	
Tribedi BP	Venkateswarlu P	Zaidi SH
Tripathi RS	Venkiteshwaran SP	

FOREIGN FELLOWS

Alexandrov AP	Compton AH	Heim Albert
Alfven HOG	Cotton FA	Heisenberg W
Allen Percival	Crick FHC	Henbury-Brown Robert
Ambartsumian VH		Herzberg G
Anderson PW	Davidson, John F*	Heslop-Harrisson J
Appleton EV	Dale Sir Henry Haiieti	Hewish Antony
Arnold JR	Daly RA	Hill AV
Asahina Y	De-Brogile L	Hodgkin Sir Alan Lloyd
Atiyah SMF	Debye P	Hollaender A
	Diels L	Holland Sir Thomas
Bailey EB	Dirac PAM	Holliday Robin
Bardeen John	Dodson GG	Hopkins Sir FG
Barton DHR	Donnan FG	Horecker BL
Basov NG		Housner GW
Battersby AR	Eddington Sir Arthur	Houssay BA
Beadle GW	Edmunds CW	Hutchinson J
Belousspv VV	Einstein A	Huxley AF
Benson SW	El-Kassas MAF	
Bergstrom KS	Engelhardt VA	Joshida T
Bern HA	Erdos Paul	
Birch AJ	Ernst Richard R	Kadyshevsky VG
Blackett PMS	Euler Hans Von	Kanazir Dusan
Blakeslee AF		Kapitza P
Blamoat JE	Feng TP	Karrer P
Bogolubov NN	Fisher RA	Katritzky AR
Borlaug NR	Fleming Sir Alexander	Keith Sir Arthur B
Breslow RCD	Frazer Sir James G	Kendrew JC
Brown HC	Frumkin AN	Khurana Har Govind
Burris RH	Fyfe WS	Kihara H
		Kinne Otto
Cahn RW	Gell-mann Murray	Koptyug VA
Carey SW	Ginzburg VL	Kovda Victor A
Caspersson TO	Goodrich ES	Kostrzewski JK
Chagas C	Greenwood Major M	Krebs Sir Hand
Chain EB	Gros Francois*	Kriebel HB
Chandrasekhar S		Kuhn R
Chapman S	Hadzi Dusan	Kuznetsov FA
Chatt Joseph	Hagenmuller Paul	
Christophers Sir Richard	Haldane JBS	Lachmann Peter
Cockcroft Sir John	Hammond GS	Laue M Von
Cohen Morris	Harris T	Lawrence EO

Leiper RT	Perrin J	Siegbahn M
Li Choch Hao	Ponnamperuma Cyril	Steward FC
Lighthill J	Pontecorvo Guido P	Sultanbawa MUS
Lindgre Waldemar	Porter George Lord	Szentagothai JM
Lord Lewis NJ	Prigogine Ilya	Szent-Gyorgy Albert
	Prosser CL	
Maass Hans	Pullman B	Tani I
Maier-Leibnitz Heinz	Pungor Erno	Thomas JM
Makino S		Tischler Georg
Marchuk GI	Ratcliffe JS	Tiselius AWK
Mark HF	Reichstein T	Titchmarsh EC
Marshall Sir Guy	Riley Ralph	Todd AR
Massevitch AG	Robinson R	Tomonaga Sin-Itiro
Millikan RA	Roche Marcel	Townes CH
Mitchell JS	Rossmann MG	Turner WES
Monod JL	Rouxel J	
Mössbauer RL	Rustom Roy	Urey Harold C
Mott Nevil	Runcorn SK	
Mulier HG	Russell Sir John	Vago Constantin
	Rutherford Lord O'Nelson	Vinogradov AP
Nagakura S		
Neergaard PPFM	Saburo N	Waksman SA
Nesmeyanov AN	Salam A	Weil A
Niggli P	Sanger F	Wenyon CM
	Schell JS	Weyl H
Odhiambo TR	Schrodinger E	Wied DD
Ochoa Severo	Selberg Atle	Wolfendale, Arnold*
Olah GA	Selye Hans	Woodward RD
Oliva Ota	Seward Sir Albert C	Whitteridge DM
Ourisson Guy	Shapley H	
Ovchinnikov YA	Sherrington S Charles	Yukawa H
	Schockley WB	
Parr RG	Schwartz L	Zamaraev KI
Pauling LC	Siddiqui S	Zewail AH

*Deceased during the year 2022