

Sectional Committee 2022

Sectional Committee - I : Mathematical Sciences

Applied Mathematics, Pure Mathematics, Theoretical Computer Science, Statistics and Operations Research

| Name and Address | Specialization | To serve until 31st December |
|---|---|---------------------------------|
| Professor RB Bapat INSA Senior Scientist Statistical Mathematics Unit Indian Statistical Institute 7, SJS Sansanwal Marg New Delhi 110016 | Combinatorial Matrix Theory, Generalised Inverses | 2022 |
| Professor SK Khanduja INSA Senior Scientist Indian Institute of Science Education and Research, Mohali Sector 81, Knowledge City SAS Nagar Mohali 140306 | Algebra, Algebraic Number Theory | 2022 |
| *Professor AJ Parameswaran Professor (I) School of Mathematics Tata Institute of Fundamental Research Homi Bhabha Road, Colaba Mumbai 400005 | Algebraic Geometry | 2022 |
| Professor KT Joseph Raja Ramanna Fellow TIFR Centre for Applicable Mathematics PB No. 6503, GKVK PO, Sharada Nagar Chikkabommasandra Bengaluru 560065 | Hyperbolic Conservation Laws and Parabolic PDES, Boundary Layers & Delta Shocks | 2023 |
| Professor Jaikumar Radhakrishnan Senior Professor (I) School of Technology and Computer Science Tata Institute of Fundamental Research Homi Bhabha Road, Colaba Mumbai 400005 | Theoretical Computer Science, Complexity Theory, Discrete Mathematics | 2023 |
| Professor KB Sinha INSA Senior Scientist Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) Jakkur Bengaluru 560064 | Spectral Theory and Non-commutative Geometry & Stochastic Processes | 2023 |
| Professor Probal Chaudhuri Theoretical Statistics and Mathematics Unit Indian Statistical Institute 203, BT Road Kolkata 700108 | Statistics | 2024 |
| Professor Ritabrata Munshi Indian Statistical Institute 203 B.T. Road Kolkata 700108 (Secretary & Convener) | Number Theory | 2024 |
| Professor Parameswaran Sankaran Chennai Mathematical Institute SIPCOT IT Park Siruseri Kelambakkam 603103 | Topology, Representation Theory | 2024 |

* In place of Professor Indranil Biswas for the years 2021 and 2022

Sectional Committee 2022

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

| Name and Address | Specialization | To serve until 31st December |
|--|--|------------------------------|
| Dr Praveen Chaddah Flat 702, Block 24 Heritage City (near MG Road Metro Station) Gurugram 122002 | Condensed Matter Physics | 2022 |
| Professor Rajesh Gopakumar Senior Professor and Centre Director International Centre for Theoretical Sciences (ICTS-TIFR) Shivakote Hesaraghatta Hobli Bengaluru 560089 | Theoretical Physics | 2022 |
| *Professor Sunil Mukhi Department of Physics Indian Institute of Science Education and Research (IISER) Homi Bhabha Road Pashan Pune 411008 | Theoretical High Energy Physics, String Theory | 2022 |
| Professor Amita Das Department of Physics Indian Institute of Technology Delhi Hauz Khas New Delhi 110016 | Physics | 2023 |
| Professor PS Joshi Vice-Chancellor (Provost) & Founding Director International Center for Cosmology (ICC) Charotar University of Science & Technology CHARUSAT Campus Anand 388421 | Gravitation Theory and Cosmology | 2023 |
| Professor Anurag Sharma Emeritus Professor Department of Physics Indian Institute of Technology, Delhi New Delhi 110016 (Secretary & Convener) | Photonics, Fiber & Integrated Optics; Gradient-Index Optics; Applied Optics | 2023 |
| Professor Manchikanti Krishnamurthy Professor (H) Tata Institute of Fundamental Research 36/P Gopannapally Hyderabad 500107 | Atomic, Molecular, Optical and Plasma Physics | 2024 |
| Professor M Lakshmanan Professor of Eminence & SERB Distinguished Fellow Centre for Nonlinear Dynamics Bharathidasan University Tiruchirapalli 620024 | Nonlinear Dynamics & Theoretical Physics | 2024 |
| Professor Sriram R Ramaswamy Department of Physics Indian Institute of Science Bengaluru 560012 | Condensed Matter, Statistical and Biological Physics | 2024 |

* In place of Professor Deepak Dhar for the years 2021 and 2022

Sectional Committee 2022

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

| Name and Address | Specialization | To serve until 31st December |
|---|---|------------------------------|
| <p>Professor TK Chandrashekar Senior Professor School of Chemical Sciences National Institute of Science Education and Research P.O. Jatni Bhubaneswar (Odisha) 752050 (Secretary & Convener)</p> | Inorganic Chemistry of Biomolecules | 2022 |
| <p>Professor K George Thomas Professor & Dean (Faculty Affairs) School of Chemistry Indian Institute of Science Education and Research (IISER), Thiruvananthapuram Maruthamala (PO), Vithura Thiruvananthapuram 695551</p> | Physical Chemistry, Photochemistry, Photophysics and Material Science | 2022 |
| <p>Professor Subrata Ghosh INSA Senior Scientist School of Chemical Sciences, Department of Organic Chemistry Indian Association for the Cultivation of Science 2A & B, Raja SC Mullick Road, Jadavpur Kolkata 700032</p> | Synthetic Organic Chemistry | 2022 |
| <p>Dr SK Ghosh 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</p> | Theoretical Chemistry, Computational Materials Science, Soft Condensed Matter Physics | 2023 |
| <p>Professor Govindasamy Mugesh Department of Inorganic and Physical Chemistry Indian Institute of Science Bengaluru 560012</p> | Inorganic Chemistry | 2023 |
| <p>Professor VK Pillai Indian Institute of Science Education and Research Tirupati C/o Sree Rama Engineering College (Transit Campus) Rami Reddy Nagar, Karakambadi Road, Mangalam PO Tirupati 517507</p> | Electrochemistry, Materials Chemistry | 2023 |
| <p>Professor Jitendra Kumar Bera Department of Chemistry Indian Institute of Technology Kanpur Kanpur 208016</p> | Inorganic Chemistry | 2024 |
| <p>Professor Hirendra Nath Ghosh Scientist-G Institute of Nano Science & Technology Phase- X, Sector - 64 Mohali, Punjab 160062</p> | Chemistry | 2024 |
| <p>Professor Sourav Pal Director Indian Institute of Science Education and Research (IISER) Kolkata Nadia Mohanpur (West Bengal) 741246</p> | Theoretical Chemistry, Electronic Structure Theory, Ab initio quantum Chemistry | 2024 |

Sectional Committee 2022

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

| Name and Address | Specialization | To serve until 31st December |
|--|---|-------------------------------------|
| *Professor Mihir Deb Sector C-1 Flat # 1157 Vasant Kunj New Delhi 110070 | Ore Geology, Geochemistry, Precambrian Geology, Mining environment & Sustainable Development. | 2022 |
| Dr K Krishnamoorthy Distinguished Visiting Scientist Centre for Atmospheric and Oceanic Sciences Indian Institute of Science Bengaluru 560012 | Atmospheric Aerosols, Radiative Forcing | 2022 |
| **Professor RN Singh Visiting Professor (Earth Science) Indian Institute of Technology Gandhinagar, Palaj Gandhinagar 382355 | Geophysics, Geophysical, Environmental and Earth System Modelling | 2022 |
| Dr Archana Bhattacharyya INSA Senior Scientist Centre of Studies in Resources Engineering Indian Institute of Technology Bombay Powai Mumbai 400076 | Ionospheric Physics and Geomagnetism | 2023 |
| Professor AK Singhvi B31, Shakti Enclave Satya Marg Bodakdev Ahmedabad 380054 (Secretary & Convener) | Quaternary Climates and Geochronology, Radiation Effects and Dosimetry | 2023 |
| Dr R Srinivasan No. 114, Kshithija Ramanashree Nagar Bannerghatta Nagar Bannerghatta Road Post Bengaluru 560076 | Precambrian Geology, Sedimentation & Structure | 2023 |
| Professor Mudlappa Jayananda Centre for Earth, Ocean and Atmospheric Sciences University of Hyderabad Professor CR Rao Road, Gachibowli Hyderabad 500046 | Petrology, Solid Earth Geochemistry and Tectonics | 2024 |
| Professor NV Chalapathi Rao Electron Probe Micro Analyzer (EPMA) & Scanning Electron Microscope (SEM) Laboratory Centre of Advanced Study in Geology, Institute of Science Banaras Hindu University Varanasi 221005 | Mineralogy, Igneous Petrology, Geochemistry, Geodynamics and Mineral Resources | 2024 |
| Dr VP Rao Emeritus Scientist Department of Civil Engineering Vignans University Vadlamudi. Andhra Pradesh Guntur 522213 | Marine Geology, Sedimentology | 2024 |

* In place of Professor SK Tandon for the years 2021 and 2022

** In place of Professor Pradeep P Mujumdar for the years 2021 and 2022

Sectional Committee 2022

Sectional Committee - V : Engineering & Technology

Electrical Engineering, Telecommunication Engineering, Electronics and Optoelectronics, Chemical Engineering, Civil Engineering, Environmental Engineering, Mechanical Engineering, Aeronautical Engineering, Metallurgical Engineering, Computer Science and Engineering including Software and Data science, Information Science and Technology, Advanced Materials (such as Bio-materials, Hybrid Materials and Nano Materials), Polymer Science & Engineering

| Name and Address | Specialization | To serve until 31st December |
|--|--|---|
| Professor Gautam Biswas JC Bose National Fellow Indian Institute of Technology Kanpur Kanpur 208016 (Secretary & Convener) | Heat Transfer, Computational Fluid Dynamics, Fluid Mechanics, Microfluidics | 2022 |
| Professor VS Borkar Department of Electrical Engineering Indian Institute of Technology Powai Mumbai 400076 | Analysis and Control of Stochastic Systems | 2022 |
| Professor Indranil Manna Vice Chancellor Birla Institute of Technology (BIT) Mesra Ranchi 835215 | Materials Engineering, Phase Transformation, Surface Engineering, Bainitic Steel, Nanofluid | 2022 |
| Dr Gautam Kumar Dey Professor & Dean-Academic (Engg. Sciences) Homi Bhabha National Institute Trombay Mumbai 400085 | Development of Zirconium, Niobium and Nickel Based Alloys, Amorphous Alloys, Electron Microscopy, Joining of Materials | 2023 |
| Dr SM Sharma C-32, Kendriya Vihar Coop Hsg Soc. Sector 38, Nerul Navi Mumbai 400706 | Materials Behavior Under High Pressures and Development of Synchrotron Beamlines | 2023 |
| Dr CS Sundar JC Bose National Fellow Material Science Group Indira Gandhi Centre for Atomic Research Kalpakkam 603102 | Materials Science and Condensed Matter Physics, Positron Annihilation Spectroscopy | 2023 |
| Professor Neelesh B Mehta Department of Electrical Communication Engineering Indian Institute of Science Bengaluru 560012 | Wireless Communications | 2024 |
| Professor Sushmita Mitra Machine Intelligence Unit Indian Statistical Institute 203 B.T. Road Kolkata 700108 | Machine Learning, Data Science, Deep Learning, Medical Imaging, Bioinformatics | 2024 |
| Dr AB Pandit Vice Chancellor and UGC Research Scientist C (Professors Grade) Chemical Engineering Department Institute of Chemical Technology Mumbai 400019 | Chemical Engineering, Design of Multiphase Reactors, Bubble Dynamics and Cavitation Phenomena | 2024 |

Sectional Committee 2022

Sectional Committee - VI : General Biology

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

| Name and Address | Specialization | To serve until 31st December |
|---|--|-------------------------------------|
| Professor KNG Ganeshiah School of Ecology and Conservation University of Agricultural Sciences GKVK Campus Bengaluru 560065 | Plant Reproductive Ecology, Conservation Biology, Insect Behaviour & Crop Breeding | 2022 |
| Professor Maharaj K Pandit L-3/19, DLF Phase 2 Gurugram 122002 (Secretary & Convener) | Plant Sciences, Ecogenomics, Conservation Biology | 2022 |
| Professor D Siddavattam Department of Animal Biology School of Life Sciences University of Hyderabad Hyderabad 500046 | Microbiology | 2022 |
| Dr Pijush K Das NASI Senior Scientist CSIR-Indian Institute of Chemical Biology 4 Raja SC Mullick Road Jadavpur Kolkata 700032 | Biochemistry, Cell Biology, Molecular Parasitology | 2023 |
| Professor Neelam S Sangwan Head Department of Biochemistry Central University of Haryana Jant-Pali Mahendergarh 123031 | Plant Sciences | 2023 |
| Dr R Sukumar Centre for Ecological Sciences TE-13, 3rd Floor, Biological Sciences Building Indian Institute of Science Bengaluru 560012 | Ecology | 2023 |
| Professor G Marimuthu 2/201, North 2nd Street Rajambadi, Palkalai Nagar Madurai 625021 | Animal Behaviour and Chronobiology | 2024 |
| Professor HA Ranganath 308, Wise Residency Near Chowdeshwariamma Temple/Golden rays Apt. Devarachikkanahalli Main Bommanahalli Bengaluru 560076 | Zoology, Genetics and Evolution | 2024 |
| Professor Syamal Roy JC Bose National Fellow, Emeritus Scientist CSIR- Indian Institute of Chemical Biology Jadavpur Kolkata 700032 | Parasitology, Immunology | 2024 |

Sectional Committee 2022*Sectional Committee - VII : Molecular and Cellular Biology**Cell Biology, Physiology, Development, Genetics, Genomics and other Omics of Plants, Animals and Microbes including Unicellular Eukaryotes*

| Name and Address | Specialization | To serve until 31st December |
|--|---|---|
| Professor Krishanu Ray Department of Biological Science Tata Institute of Fundamental Research (TIFR), Homi Bhabha Road Colaba Mumbai 400005 | Molecular Cell Biology of Spermatogenesis and Intra-Cellular Transport in Drosophila | 2022 |
| *Professor HS Savithri J.C.Bose fellow, Emeritus Professor Department of Biochemistry Indian Institute of Science Bengaluru 560012 | Plant Molecular Virology, Enzymology, Protein Chemistry | 2022 |
| Professor LS Shashidhara Professor (Biology) Ashoka University Sonapat 131029 | Genetics and Developmental Biology | 2022 |
| Professor KN Balaji Department of Microbiology and Cell Biology Indian Institute of Science Bengaluru 560012 | Immunology, Infectious Diseases, Cell Biology | 2023 |
| Dr Sunil Kumar Mukherjee INSA Senior Scientist Advanced Center of Plant Virology Division of Plant Pathology ICAR-IARI New Delhi 110012 | Plant Molecular Biology | 2023 |
| Dr Pushkar Sharma Staff Scientist-VI National Institute of Immunology Aruna Asaf Ali Marg New Delhi 110067 | Signal Transduction, Biochemistry, Malaria, Neuroscience | 2023 |
| Professor Samir Bhattacharya Centre of Advanced Studies in Zoology School of Life Sciences Visva Bharati University Santiniketan 731235 (Secretary & Convener) | Comparative Endocrinology and Molecular Signaling | 2024 |
| Professor Rentala Madhubala AS Paintal Distinguished Scientist Chair of ICMR School of Life Sciences Jawaharlal Nehru University New Delhi 110067 | Molecular Parasitology, Functional genomics | 2024 |
| Professor AS Raghavendra School of Life Sciences Department of Plant Sciences University of Hyderabad Hyderabad 500046 | Botany, Plant Biochemistry, Molecular Plant Physiology & Plant Metabolomics | 2024 |

* In place of Professor Sudip Chattopadhyay for the years 2021 and 2022

Sectional Committee 2022

Sectional Committee - VIII : Biomolecular, Structural Biology and Drug Discovery

Biochemistry, Biophysics, Molecular Biology, Pharmacology, Structural Biology, Bioinformatics, Computational Biology, System Biology

| Name and Address | Specialization | To serve until 31st December |
|---|--|---|
| Professor Pinakpani Chakrabarti JC Bose National Fellow Department of Biochemistry Bose Institute P1/12, CIT Scheme VII M Kolkata 700054 (Secretary & Convener) | Molecular Biophysics, X-ray Crystallography and Structural Biology, Bioinformatics | 2022 |
| Professor SE Hasnain Jamia Hamdard Institute of Molecular Medicine Hamdard Nagar New Delhi 110062 | Functional Biology, Molecular pathogenesis and dissemination dynamics of human pathogens particularly M. tuberculosis | 2022 |
| Professor Anil Kumar Tyagi C-23, South Extension Part -2 Second Floor New Delhi 110049 | Biochemistry, Molecular Biology | 2022 |
| Professor Balasubramanian Gopal Room 301 Molecular Biophysics Unit Indian Institute of Science Bengaluru 560012 | Structural Biology | 2023 |
| *Dr Navin Chandra Khanna Group Leader Recombinant Gene Products Laboratory International Centre for Genetic Engineering & Biotechnology Aruna Asaf Ali Marg New Delhi 110067 | Biotechnology: Recombinant Proteins of Medical Use | 2023 |
| Professor Sandhya S Visweswariah JC Bose National Fellow Department of Molecular Reproduction Development and Genetics Co-Chair Centre for Biosystems Science and Engineering, Indian Institute of Sciences Bengaluru 560012 | Biochemistry, Cell Biology | 2023 |
| Professor H Balaram Molecular Biology and Genetics Unit Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur PO Bengaluru 560064 | Biochemistry, Metabolism, Molecular Parasitology, Molecular Enzymology | 2024 |
| Dr KVR Chary Director Indian Institute of Science Education and Research Berhampur Transit Campus, Government ITI, Berhampur Engineering School Junction, NH-59 Berhampur 760010 | Molecular Biophysics, Structural Biology and NMR Spectroscopy | 2024 |
| Professor R Varadarajan Molecular Biophysics Unit Indian Institute of Science Bengaluru 560012 | Protein Structure and Folding | 2024 |

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

Sectional Committee 2022

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

| Name and Address | Specialization | To serve until 31st December |
|--|--|-------------------------------------|
| Professor NR Jagannathan Professor of Eminence Chettinad Academy of Research and Education Kelambakkam, Tamil Nadu 603103 (Secretary & Convener) | Clinical and Pre-clinical Cancer Research using Molecular Imaging/Magnetic Resonance Imaging (MRI) & in-vivo NMR Spectroscopy/Functional MRI Studies/NMR Metabolomics/Biophysics | 2022 |
| Dr Shahid Jameel Visiting Professor Ashoka University Rajiv Gandhi Education City Sonipat 131029 | Virology | 2022 |
| Professor SK Sharma Adjunct Professor Department of Molecular Medicine Jamia Hamdard Institute of Molecular Medicine Hamdard University, Hamdard Nagar New Delhi 110062 | General Medicine; Pulmonary, Critical Care and Sleep Medicine & Infectious Diseases | 2022 |
| Dr Madhu Dikshit JC Bose National Fellow THSTI National Chair NCR Biotech Science Cluster 3rd Milestone, Faridabad Gurgaon Expressway Faridabad 121001 | Molecular Pharmacology | 2023 |
| Dr Sangita Mukhopadhyay Staff Scientist VII Centre for DNA Fingerprinting and Diagnostics Inner Ring Road, Uppal Hyderabad 500039 | Immunology and Infection Biology | 2023 |
| Professor BS Ramakrishna Senior Consultant & Director Institute of Gastroenterology, Hepatobiliary Science & Transplantation SRM Institutes for Medical Science 1 Jawaharlal Nehru Road, Vadapalani Chennai 600026 | Gastroenterology | 2023 |
| Dr Shinjini Bhatnagar 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 | Health Sciences | 2024 |
| Dr Paturu Kondaiah INSA Senior Scientist Department of Molecular Reproduction Development and Genetics Indian Institute of Science Bengaluru 560012 | Cancer Biology and Biomarkers, Cancer Therapeutics, Gene Regulation by Steroid Hormones | 2024 |
| Professor TK Kundu Director CSIR-Central Drug Research Institute Sector 10, Janakipuram Extension Sitapur Road Lucknow 226031 | Regulation of Gene Expression (Transcription) in Humans with Special Emphasis on Disease and Therapeutics and related chemical biology | 2024 |

Sectional Committee 2022

Sectional Committee - X : Agricultural Sciences

Agriculture, Horticulture, Forestry, Fisheries, Food Science, Veterinary Science, Pathogen Biology and Host Pathogen Interaction Both Plant and Veterinary Importance

| Name and Address | Specialization | To serve until 31st December |
|---|---|-------------------------------------|
| Professor Arun Kumar Joshi 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 | Agricultural Sciences | 2022 |
| *Professor B Senthilkumaran Department of Animal Biology School of Life Sciences University of Hyderabad P O Central University, Gachibowli Hyderabad (Telangana) 500046 | Fish Molecular Endocrinology, Developmental Biology and Reproductive Biology | 2022 |
| **Dr NK Singh National Professor and B.P. Pal Chair in Genetics and Plant Breeding NRC on Plant Biotechnology Indian Agricultural Research Institute New Delhi 110012 | Plant Genomics, Transgenic Development, Molecular Breeding, Grain Quality in Rice and Wheat | 2022 |
| Professor Rup Lal NASI Senior Scientist Platinum Jubilee Fellow The Energy and Resources Institute (TERI) Darbari Seth Block, IHC Complex Lodhi Road New Delhi 110003 | Microbial diversity, Genomics & Metagenomics | 2023 |
| Dr Ashok Kumar Singh Head Division of Genetics Indian Agricultural Research Institute New Delhi 110012 | Genetics and Molecular Breeding in Rice | 2023 |
| ***Dr RV Sonti JC Bose National Fellow CSIR-Centre for Cellular and Molecular Biology Uppal Road Hyderabad 500007 (Secretary & Convener) | Pathogen-plant interactions | 2023 |
| Dr Premananda Das Chairman & Director, The Science Foundation for Tribal and Rural Resource Development C-122 (HIG), State Housing Board Colony Baramunda Bhubaneswar 751003 | Biotechnology of Woody Plants and Horticultural Crops | 2024 |
| Dr Himanshu Pathak Director ICAR- National Institute of Abiotic Stress Management Baramati Pune 413115 | Agricultural Sciences | 2024 |
| Professor Narpinder Singh Director of Research Professor and Head Department of Food Science & Technology Guru Nanak Dev University Amritsar 143005 | Food Science and Technology | 2024 |

* In place of Dr CS Nautiyal for the years 2021 and 2022 only

** In place of Professor AK Pradhan for the years 2021 and 2022 only

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