

## SECTIONAL COMMITTEES-2020

**Committees representing branches of natural knowledge called ' Sectional Committees'. Each SC is comprised of nine members of whom 1/3 retire every year. There are ten regular SCs SC-I to SC-X. Tenure of membership is three years.**

*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
<b>Professor BV Rajarama Bhat</b> Stat-Math Unit Indian Statistical Institute RV College Post Bengaluru 560059	Mathematics	2020
<b>Professor RL Karandikar</b> Director Chennai Mathematical Institute H1, SIPCOT IT Park Siruseri Chennai 603103 (Secretary & Convener)	Probability and Statistics	2020
<b>Professor GD Veerappa Gowda</b> TIFR Centre for Applicable Mathematics Sharada Nagar, Chikkabommasandra PB No. 6503 Bengaluru 560065	Partial Differential Equations in Particular, Conservation Laws and Hamilton-Jacobi Equations, Theory and Numerics	2020
<b>Dr Vikraman Balaji</b> JC Bose National Fellow Chennai Mathematical Institute H1 SIPCOT IT Park Siruseri Kelambakkam 603103	Mathematics	2021
<b>Professor Arup Bose</b> Statistics & Mathematics Unit Indian Statistical Institute 203, Barrackpore Trunk Road Kolkata 700108	Statistics and Probability	2021
<b>Professor Saradha Natarajan</b> INSA Senior Scientist University of Mumbai-Department of Atomic Energy Centre for Excellence in Basic Sciences Mumbai 400098	Number Theory	2021
<b>Professor RB Bapat</b> Statistical Mathematics Unit Indian Statistical Institute 7, SJS Sansanwal Marg New Delhi 110016	Combinatorial Matrix Theory, Generalised Inverses	2022
<b>Professor Indranil Biswas</b> Professor (H) Tata Institute of Fundamental Research Homi Bhabha Road Colaba Mumbai 400005	Algebraic Geometry	2022
<b>Professor SK Khanduja</b> INSA Senior Scientist Indian Institute of Science Education and Research, Mohali Sector 81, Knowledge City SAS Nagar Mohali 140306	Algebra, Algebraic Number Theory	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*

<b>Name and Address</b>	<b>Specialization</b>	<b>To serve until 31st December</b>
<b>Professor AR Choudhuri</b> Department of Physics Indian Institute of Science Bengaluru 560012	Theoretical Astrophysics, Solar Physics, Magnetohydrodynamics, History of Science	2020
<b>Professor KS Narayan</b> Professor and Dean (R&D) Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) Jakkur Bengaluru 560064	Device Physics, Organic Electronics, Photophysics & Biomolecular Electronics	2020
<b>Professor Diptiman Sen</b> Centre for High Energy Physics Indian Institute of Science Bengaluru 560012 (Secretary & Convener)	Theoretical Condensed Matter Physics, Quantum Field Theory	2020
<b>Professor G Ravindra Kumar</b> Senior Professor Tata Institute of Fundamental Research Homi Bhabha Road Colaba Mumbai 400005	Physics (Nonlinear optics, study of matter in intense laser fields)	2021
<b>Professor Sudeshna Sinha</b> Indian Institute of Science Education and Research (IISER) Mohali Knowledge City, Sector-81 Mohali 140306	Nonlinear Dynamics, Chaos and Complex Systems	2021
<b>Dr YP Viyogi</b> Block-8 Flat 2B Diamond City North Kolkata 700055	Experimental Nuclear Physics	2021
<b>Dr Praveen Chaddah</b> Flat 702, Block 24 Heritage City (near MG Road Metro Station) Gurugram 122002	Condensed Matter Physics	2022
<b>Professor Deepak Dhar</b> Distinguished Visiting Professor Department of Physics Indian Institute of Science, Education and Reserach Dr. Homi Bhabha Road,Pashan Pune 411008	Statistical Physics	2022
<b>Professor Rajesh Gopakumar</b> Senior Professor and Centre Director International Centre for Theoretical Sciences (ICTS-TIFR) Shivakote Hesaraghatta Hobli Bengaluru 560089	Theoretical Physics	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
<b>Professor Amalendu Chandra</b> Department of Chemistry Indian Institute of Technology Kanpur 208016	Theoretical Physical Chemistry	2020
<b>Dr Suresh Das</b> CSIR-National Institute for Interdisciplinary Science and Technology Thiruvananthapuram 695019	Photochemistry, Photophysics, Liquid Crystals, Organic Functional Materials, Photoresponsive Materials, NIR Absorbing Dyes, Dye Sensitized Solar Cells	2020
<b>Professor TP Radhakrishnan</b> School of Chemistry University of Hyderabad Hyderabad 500046	Materials Chemistry	2020
<b>Professor ED Jemmis</b> Professor (Hon.) Department of Inorganic and Physical Chemistry Indian Institute of Science Bengaluru 560012	Theoretical and Computational Chemistry	2021
<b>Professor Ramaswamy Murugavel</b> Biswas Palepu Distinguished Chair Professor Department of Chemistry Indian Institute of Technology Bombay Powai Mumbai 400076	Inorganic Chemistry	2021
<b>Professor Sandeep Verma</b> JC Bose National Fellow Department of Chemistry Indian Institute of Technology Kanpur Kanpur 208016	Bioorganic Chemistry, Chemical Biology	2021
<b>Professor TK Chandrashekar</b> Senior Professor School of Chemical Sciences National Institute of Science Education and Research P.O. Jatni Bhubaneswar (Odisha) 752050 (Secretary & Convener)	Inorganic Chemistry of Biomolecules	2022
<b>Dr K George Thomas</b> Professor & Dean (Academic) School of Chemistry Indian Institute of Science Education and Research (IISER), Thiruvananthapuram College of Engineering (transit campus), Sreekarayam Thiruvananthapuram 695004	Photochemistry, Photophysics and Material Science	2022
<b>Professor Subrata Ghosh</b> INSA Senior Scientist Department of Organic Chemistry Indian Association for the Cultivation of Science 2A & B, Raja SC Mullick Road, Jadavpur Kolkata 700032	Synthetic Organic Chemistry	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

<b>Name and Address</b>	<b>Specialization</b>	<b>To serve until 31st December</b>
<b>Professor JN Goswami</b> JC Bose National Fellow Physical Research Laboratory Navrangpura Ahmedabad 380009 <b>(Secretary &amp; Convener)</b>	Solar System Studies, Earth and Planetary Science	2020
<b>Dr Amit Kumar Patra</b> Scientist-SG National Atmospheric Research Laboratory PO Box 123 Tirupati 517502	Atmospheric and Ionospheric Physics	2020
<b>Professor Pulak Sengupta</b> Professor of Geology Department of Geological Sciences Jadavpur University Kolkata 700032	Metamorphic Petrology and Precambrian Geology	2020
<b>Professor Talat Ahmad</b> Vice-Chancellor University of Kashmir Hazaratbal, Srinagar Jammu and Kashmir 190006	Igneous Petrology-Geochemistry & Himalayan Geology	2021
<b>*Dr M Dileep Kumar</b> Emeritus Scientist CSIR-National Institute of Oceanography Regional Centre 176, Lawsons Bay Colony Visakhapatnam 530017	Oceanography	2021
<b>Professor AK Jain</b> INSA Hony. Scientist CSIR-Central Building Research Institute Roorkee (Uttarakhand) 247667	Geology, Structural Geology & Tectonics	2021
<b>Dr K Krishnamoorthy</b> Distinguished Visiting Scientist Centre for Atmospheric and Oceanic Sciences Indian Institute of Science Bengaluru 560012	Atmospheric Aerosols, Radiative Forcing	2022
<b>Professor Pradeep P Mujumdar</b> Department of Civil Engineering Indian Institute of Science Bengaluru 560012	Hydrology	2022
<b>Professor SK Tandon</b> Block A, House 556C Sushant Lok, Phase 1 Gurugram (Haryana) 122009	Physical Stratigraphy, Quaternary Geology, Fluvial Sedimentology and River Science	2022

\* In place of Dr SWA Naqvi for the years 2020 and 2021

**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

<b>Name and Address</b>	<b>Specialization</b>	<b>To serve until 31st December</b>
<b>Professor RP Chhabra</b> JC Bose National Fellow Department of Chemical Engineering Indian Institute of Technology Ropar Ropar, Punjab 140001	Chemical Engineering	2020
<b>Professor A Chockalingam</b> Department of Electrical Communication Engineering Indian Institute of Science Bengaluru 560012	Electrical Engineering (Communications)	2020
<b>Professor Santosh Kapuria</b> J.C. Bose National Fellow and Director CSIR-Structural Engineering Research Centre Taramani Chennai 600113	Structural Mechanics, Multifunctional Structures	2020
<b>Professor Sanghamitra Bandyopadhyay</b> Director Indian Statistical Institute 203 BT Road Kolkata 700108	Computer Science (Soft Computing, Pattern Recognition and Computational Biology)	2021
<b>Professor V Kumaran</b> Department of Chemical Engineering Indian Institute of Science Bengaluru 560012 (Secretary & Convener)	Chemical Engineering	2021
<b>Professor Sandeep Sen</b> Department of Computer Science & Engineering Indian Institute of Technology Delhi Hauz Khas New Delhi 110016	Computer Science (Algorithms)	2021
<b>Professor Gautam Biswas</b> Director and JC Bose National Fellow Indian Institute of Technology Guwahati Guwahati 781039	Heat Transfer, Computational Fluid Dynamics, Fluid Mechanics	2022
<b>Professor VS Borkar</b> Department of Electrical Engineering Indian Institute of Technology Powai Mumbai 400076	Analysis and Control of Stochastic Systems	2022
<b>Professor Indranil Manna</b> Metallurgical & Materials Engineering Department Indian Institute of Technology Kharagpur Kharagpur 721302	Materials Engineering, Phase Transformation, Surface Engineering, Bainitic Steel, Nanofluid	2022

**Sectional Committee - VI : General Biology**

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

<b>Name and Address</b>	<b>Specialization</b>	<b>To serve until 31st December</b>
<b>Professor Renee Maria Borges</b> Centre for Ecological Sciences Indian Institute of Science Bengaluru 560012 (Secretary & Convener)	Evolutionary Ecology	2020
<b>Dr Anuradha Dube</b> INSA Senior Scientist and JC Bose National Fellow CSIR-Central Drug Research Institute New Campus, BS 10/1, Sector 10 Janakipuram Extension Lucknow 226031	Medical Parasitology (Leishmaniasis)	2020
<b>Professor Amitabh Joshi</b> JC Bose National Fellow & Professor Evolutionary and Organismal Biology Unit Jawaharlal Nehru Centre for Advanced Scientific Research Jakkur PO Bengaluru 560064	Evolutionary genetics and population ecology	2020
<b>Professor Mewa Singh</b> JC Bose Fellow, Distinguished Professor Department of Psychology University of Mysore Manasagangotri Mysuru 570006	Ecology, Animal Behaviour	2021
<b>Dr Qudsia Tahseen</b> Department of Zoology Aligarh Muslim University Aligarh 202002	Taxonomy and Biology of Fresh water and Soil-Inhabiting Nematodes	2021
<b>Professor SR Yadav</b> UGC BSR Faculty Fellow Department of Botany Shivaji University Kolhapur 416004	Angiosperm Taxonomy	2021
<b>Professor KNG Ganeshaiiah</b> School of Ecology and Conservation University of Agricultural Sciences GKVK Campus Bengaluru 560065	Plant Reproductive Ecology, Conservation Biology, Insect Behaviour & Crop Breeding	2022
<b>Dr Maharaj K Pandit</b> Dean, Faculty of Science Professor & Head Department of Environmental Studies & Director, CISMHE University of Delhi Delhi 110007	Plant Sciences, Ecogenomics, Conservation Biology	2022
<b>Professor D Siddavattam</b> Department of Animal Biology School of Life Sciences University of Hyderabad Hyderabad 500046	Microbiology	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*

<b>Name and Address</b>	<b>Specialization</b>	<b>To serve until 31st December</b>
<b>Dr Raj Kamal Bhatnagar</b> Associate Scientist and Group Leader Insect Resistance International Centre for Genetic Engineering and Biotechnology Aruna Asaf Ali Marg New Delhi 110067	Molecular Biology;	2020
<b>Dr Vani Brahmachari</b> Epigenetics and Developmental Biology Group Dr BR Ambedkar Centre for Biomedical Research University of Delhi Delhi 110007	Epigenetics and Development Biology, Molecular Genetics	2020
<b>Professor BK Thelma</b> Department of Genetics University of Delhi (South Campus) Benito Juarez Road New Delhi 110021	Cytogenetics, Human Genetics and genomics	2020
<b>Dr Niranjan Chakraborty</b> Professor-of-Eminence National Institute of Plant Genome Research Jawaharlal Nehru University Campus Aruna Asaf Ali Marg New Delhi 110067	Plant Molecular Biology, Plant Proteomics	2021
<b>Dr Veena K Parnaik</b> INSA Senior Scientist CSIR-Centre for Cellular and Molecular Biology Uppal Road Hyderabad 500007	Cell and Molecular Biology	2021
<b>Dr Usha Vijayraghavan</b> Department of Microbiology & Cell Biology Indian Institute of Science Bengaluru 560012 (Secretary & Convener)	Molecular Genetics, Plant Development	2021
<b>Dr Anirban Basu</b> Scientist VI National Brain Research Centre Manesar (Haryana) 122051	Neurovirology, Neurobiology and Molecular Medicine	2022
<b>Professor Sudip Chattopadhyay</b> Department of Biotechnology National Institute of Technology Durgapur Mahatma Gandhi Avenue Durgapur 713209	Plant Sciences (Developmental Biology)	2022
<b>Professor LS Shashidhara</b> Distinguished Visiting Professor of Biology Ashoka University Plot No. 2, Rajiv Gandhi Education City P.O.Rai Sonapat 131029	Genetics and Developmental Biology	2022

*Sectional Committee - VIII : Biomolecular, Structural Biology and Drug Discovery  
Biochemistry, Biophysics, Molecular Biology, Pharmacology, Structural Biology, Bioinformatics, Computational Biology, System Biology*

<b>Name and Address</b>	<b>Specialization</b>	<b>To serve until 31st December</b>
<b>Dr Rakesh Kumar Mishra</b> Director CSIR-Centre for Cellular and Molecular Biology Uppal Road Hyderabad 500007	Genomics of the non- coding DNA & Epigenetic Regulation and Development	2020
<b>Dr Debasisa Mohanty</b> Staff Scientist -VII National Institute of Immunology Aruna Asaf Ali Marg New Delhi 110067	Computational Biology & Bioinformatics	2020
<b>Professor BJ Rao</b> Professor & Dean (Faculty) Indian Institute of Science Education and Research (IISER) Tirupati Transit Campus: Sree Rama Engineering College Karkambadi Road, Mangalam Tirupati, Andhra Pradesh 517507	Molecular basis of Genome Dynamics Biophysics of Genome Repair Complexes	2020
<b>Dr Suman Kumar Dhar</b> Special Centre for Molecular Medicine Jawaharlal Nehru University New Delhi 110067	Biochemistry, Molecular Biology, Cell Biology, Parasitology	2021
<b>Dr Madhusoodan V Hosur</b> INSA - Senior Scientist National Institute of Advanced Studies Indian Institute of Science Campus Bengaluru 560012	Biophysics, X-ray Crystallography	2021
<b>Professor DN Rao</b> Department of Biochemistry Indian Institute of Science Bengaluru 560012 (Secretary & Convener)	Protein- DNA Interactions	2021
<b>Professor Pinakpani Chakrabarti</b> JC Bose National Fellow Department of Biochemistry and Bioinformatics Centre Bose Institute P1/12, CIT Scheme VII M Kolkata 700054	Molecular Biophysics, X-ray Crystallography and Structural Biology, Bioinformatics	2022
<b>Dr SE Hasnain</b> Professor & Head 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
<b>Professor Anil Kumar Tyagi</b> Vice Chancellor GGS Indraprastha University Sector 16C Dwarka New Delhi 110078	Biochemistry, Molecular Biology	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

<b>Name and Address</b>	<b>Specialization</b>	<b>To serve until 31st December</b>
<b>Dr Pradeep Das</b> JC Bose National Fellow and Director Rajendra Memorial Research Institute of Medical Sciences Agam Kuan Patna 800007	Medical Biotechnology and Molecular Parasitology	2020
<b>Professor Debabrata Dash</b> Head Department of Biochemistry Institute of Medical Sciences Banaras Hindu University Varanasi 221005	Biochemistry, Thrombus/Platelet Biology, Translational Nanomedicine	2020
<b>Dr Usha Kant Misra</b> Professor & Head Department of Neurology Sanjay Gandhi Post Graduate Institute of Medical Sciences Rae Bareli Road Lucknow 226014	Neurology	2020
<b>Dr Amit Ghosh</b> JC Bose Chair Professor (NASI) ICMR-National Institute of Cholera & Enteric Diseases (JICA Building) P-33, CIT Scheme XM Beliaghata Kolkata 700010 (Secretary & Convener)	Molecular Biology of Vibrio cholerae	2021
<b>Professor Gagandeep Kang</b> Executive Director Translational Health Science and Technology Institute NCR Biotech Science Cluster 3rd Milestone Faridabad Gurgaon Expressway Faridabad 121001	Medicine, Microbiology, Vaccines, Enteric Infections, Public Health	2021
<b>Dr Kumarasamy Thangaraj</b> Chief Scientist CSIR-Centre for Cellular and Molecular Biology Uppal Road Hyderabad 500007	Population Genetics and Evolutionary Biology, Clinical and Medical Genetics, Ancient DNA and Forensic Genetics	2021
<b>Professor NR Jagannathan</b> Professor of Eminence Chettinad Academy of Research And Education Kelambakkam, Tamil Nadu 603103	Clinical and Pre-clinical Cancer Research using Molecular Imaging/Magnetic Resonance Imaging (MRI) & in-vivo NMR Spectroscopy/Functional MRI Studies/NMR Metabolomics/Biophysics	2022
<b>Dr Shahid Jameel</b> Chief Executive Officer (CEO) The Wellcome Trust/DBT India Alliance 526 DLF Tower A Jasola New Delhi 110025	Virology Chief Executive Officer (CEO),	2022
<b>Dr SK Sharma</b> 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

**Sectional Committee - X : Agricultural Sciences***Agriculture, Horticulture, Forestry, Fisheries, Food Science, Veterinary Science, Pathogen Biology and Host Pathogen Interaction Both Plant and Veterinary Importance*

<b>Name and Address</b>	<b>Specialization</b>	<b>To serve until 31st December</b>
<b>Dr TK Adhya</b> School of Biotechnology KIIT University (Deemed to be University) Bhubaneswar (Odisha) 751024	Environmental Microbiology	2020
<b>Professor HS Balyan</b> INSA Senior Scientist and Honorary Emeritus Professor Department of Genetics & Plant Breeding Chaudhary Charan Singh University Meerut 250004	Genetics, Plant Breeding & Crop Biotechnology	2020
<b>Professor PB Kirti</b> Department of Plant Sciences University of Hyderabad Hyderabad 500046	Plant Molecular Biology	2020
<b>Dr Manoj Prasad</b> Staff Scientist VI National Institute of Plant Genome Research (NIPGR) Aruna Asaf Ali Marg, JNU Campus New Delhi 110067	Plant Genetics & Genomics, Stress Biology	2021
<b>Dr Rajender Singh Sangwan</b> Director Academy of Scientific and Innovative Research (AcSIR) AcSIR Campus at CSIR-HRDC Sector-19, Kamlu Nehru Nagar Ghaziabad 201002	Secondary Metabolism and Secondary Agriculture Bioprocessing for Resource Recovery & Value Added Products	2021
<b>Professor Rakesh Tuli</b> Senior Research Advisor JC Bose National Fellow UIET, Panjab University Sector 25 Chandigarh 160015 (Secretary & Convener)	Biochemistry & Molecular Genetics of Agriculturally & Medicinally Important Plants; Genomic Diversity in Plants for Precision Breeding; Food and Nutrition Biotechnology.	2021
<b>Professor Arun Kumar Joshi</b> 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
<b>Dr CS Nautiyal</b> Vice- Chancellor Doon University Mothrowala Road, Kedarpur, Dehradun 248001	Plant-Microbe Interactions & Soil Microbiology	2022
<b>Professor AK Pradhan</b> Department of Genetics University of Delhi, South Campus Benito Juarez Road New Delhi 110021	Plant Genetics and Molecular Plant Breeding	2022