

IICM - 2017 during 20th - 22nd Jan., 2017
Venue: Auditorium, Visitor's Hostel, IISER Bhopal
Program Schedule

January 20, 2017 (Friday)	
(9:00 AM – 9:05 AM)	Welcome by Dr. Prasanta Ghorai, Head, Department of Chemistry
(9:05 AM – 9:15 AM)	Introductory Remarks by Prof. Vinod K. Singh, Director, IISER Bhopal
SESSION 1 (9:20 AM–10:50 AM)	
Chairpersons: Prof. Manickam Jayakannan, IISER Pune (IL 1-3) & Dr. Rajesh K. Murarka, IISER Bhopal (ST 1-3)	
09:20 AM – 09:40 AM	IL-01: Prof. K. George Thomas, IISER Thiruvananthapuram Title: 'Excitonically and Plasmonically Powered Processes: From Design to Devices'
09:40 AM – 10:00 AM	IL-02: Dr. Jeyaraman Sankar, IISER Bhopal Title: 'Perylenebisimide-Porphyrin Dyads and Extended Assemblies'
10:00 AM – 10:20 AM	IL-03: Dr. Angshuman Nag, IISER Pune Title: 'Defect Tolerant Cesium Lead Halide Perovskite Nanocrystals'
10:20 AM – 10:30 AM	ST-01: Mr. A. Venkata Nanda Kishor Babu, IISER Kolkata Title: 'Tuning the Energy Transfer Efficiency between Ce ³⁺ and Ln ³⁺ Ions by Controlling the Crystal Phase of Na YF ₄ Nanocrystals'
10:30 AM – 10:40 AM	ST-02: Mr. Sandeep Kumar, IISER Mohali Title: 'Single-Crystal-to-Single-Crystal Structural Transformation in MOFs: Selective Sensing of Acetone and Triethylamine'
10:40 AM – 10:50 AM	ST-03: Mr. Arindam Ghosh, NISER Bhubaneswar Title: 'Core Modified Octaphyrin with Dual Conformation'
10:50 AM – 11:20 AM	TEA/ COFFEE BREAK
SESSION 2 (11:20 AM–12:50 PM)	
Chairpersons: Prof. Sanjay Mandal, IISER Mohali (IL 4-6) & Dr. Ishu Saraogi, IISER Bhopal (ST 4-6)	
11:20 AM– 11:40 AM	IL-04: Prof. K. S. Vishwanathan, IISER Mohali Title: 'Why and How Do You Experimentally Locate Local Minima? Some Case Studies using Matrix Isolation Infrared Spectroscopy'
11:40 AM– 12:00 PM	IL-05: Dr. Sayan Bhattacharyya, IISER Kolkata Title: 'Nanoheterostructures for Electrochemical Water Splitting'
12:00 PM– 12:20 PM	IL-06: Dr. Chidambaram Gunanathan, NISER Bhubaneswar Title: 'Selective Catalytic Hydroelementation and Deuteration Reactions'
12:20 PM – 12:30 PM	ST-04: Mr. Rajkumar Koninti, IISER Pune Title: 'Loading of an Anti-Cancer Drug into Mesoporous Silica Nano-Channel and Subsequent Release to DNA'
12:30 PM – 12:40 PM	ST-05: Mr. Kaushik Pal, IISER Bhopal Title: 'Determination of Mitochondrial Polarity via Design and Synthesis of Robust, Solvatochromic and Multifunctional Fluorescent Probe'
12:40 PM – 12:50 PM	ST-06: Mr. Hari Veera Prasad Thelu, IISER Thiruvananthapuram Title: 'Removal of Organic Micro Pollutants Using DNA Based Nanogels'
01:00 PM - 03:00 PM	LUNCH BREAK & POSTER SESSION
SESSION 3 (03:00 PM–06:30 PM)	
Chairperson: Prof. Vinod K. Singh, Director, IISER Bhopal	

03:00 PM – 03:30 PM	Interaction with SERB-PAC Members of Chemistry
03:30 PM – 05:00 PM	Orientation by the SERB-PAC Members Title: 'How to Write a Good Research Proposal'
05:00 PM – 05:30 PM	TEA/ COFFEE BREAK @ Lecture Hall Complex
05:30 PM – 06:30 PM	Special Lecture (L-5): Professor Goverdhan Mehta, Univ. of Hyderabad Title: 'Dimensionality of Chemistry: A 21 st Century Science for Global Sustainability'
08:00 PM – 10:00 PM	BANQUET DINNER (COMMUNITY CENTRE)
January 21, 2017 (Saturday)	
SESSION 4 (9:00 AM–10:30 AM) Chairpersons: Prof. Kankan Bhattacharyya, Visiting Professor, IISER Bhopal (IL 7-9) & Dr. Pinaki Talukdar, IISER Pune (ST 7-9)	
09:00 AM – 09:20 AM	IL-07: Dr. Manmohan Kapur, IISER Bhopal Title: 'Innovative Pathways to Diverse Nitrogen Heterocycles via Transition-metal mediated C-H Functionalization'
09:20 AM – 09:40 AM	IL-08: Dr. Venkataramanarao G. Anand, IISER Pune Title: 'Reversible Redox Reactions of Antiaromatic Expanded Isophlorins'
09:40 AM – 10:00 AM	IL-09: Dr. Ujjal Gautam, IISER Mohali Title: 'Rare Pt-Nanostructures for Efficient Energy Harvesting'
10:00 AM – 10:10 AM	ST-07: Mr. Owais C. H., IISER Thiruvananthapuram Title: 'Energetics of Adsorption of Monocyclic Carbon Rings on Graphene: Distance and Orientation Dependence from Analytical Approaches'
10:10 AM – 10:20 AM	ST-08: Mr. Somnath Koley, NISER Bhubaneswar Title: 'Probing the PAMAM Dendrimer and its Soft Assemblies'
10:20 AM – 10:30 AM	ST-09: Mr. Paresh Chandra Rout, IISER Bhopal Title: 'Engineering Multiferrocity in Perovskite MOFs'
10:30 AM – 11:00 AM	TEA/ COFFEE BREAK
SESSION 5 (11:00 AM–12:30 PM) Chairpersons: Prof. S. Chandrasekaran, J. C. Bose Chair Professor, IISER Bhopal (IL 10-12) & Dr. Angshuman Roy Choudhury, IISER Mohali (ST 10-12)	
11:00 AM – 11:20 AM	IL-10: Dr. Kana M. Sureshan, IISER Thiruvananthapuram Title: 'Should We Ignore the Unexpected?'
11:20 AM – 11:40 AM	IL-11: Dr. Jogendra N. Behera, NISER Bhubaneswar Title: 'High Energy Supercapacitors Based on Vanadium Chalcogenides RGO/CNTs Hybrids'
11:40 AM – 12:00 PM	IL-12: Dr. Raja Shanmugam, IISER Kolkata Title: 'Polynorbornene Derived Multi-Functional Nano-Vehicles for the Potential Application in Cancer Therapy'
12:00 PM – 12:10 PM	ST-10: Mr. B. Gopalakrishnan, IISER Mohali Title: 'Diastereoselective Pd(II)-Catalyzed sp ³ C-H Arylation Followed by Ring-Opening of Cyclopropanecarboxamides: Construction of anti β -Acyloxy Carboxamide Derivatives'
12:10 PM – 12:20 PM	ST-11: Mr. Reman K. Singh, IISER Pune Title: 'Mechanism of Unfolding of Human Prion Protein'
12:20 PM – 12:30 PM	ST-12: Mr. Gurupada Hazra, IISER Bhopal Title: 'Organocatalytic, Enantioselective Synthesis of Benzoxaboroles via Wittig / oxa-Michael Reaction Cascade of α -Formyl Boronic Acids'

01:00 PM – 03:00 PM	LUNCH BREAK & POSTER SESSION
SESSION 6 (3:00 PM–4:30 PM) Chairpersons: Dr. Arnab Mukherjee, IISER Pune (IL 13-15) & Dr. Ratheesh K. Vijayaraghavan, IISER Kolkata (ST 13-15)	
03:00 P M – 03:20 PM	IL-13: Dr. Hosahudya N. Gopi, IISER Pune Title: 'Peptide Foldamers: From Medicinal Chemistry to Biomaterials'
03:20 PM – 03:40 PM	IL-14: Dr. Sharanappa Nembenna, NISER Bhubaneswar Title: 'Main Group Catalysis: Molecular Compounds for Organic Transformations'
03:40 PM – 04:00 PM	IL-15: Dr. Vinesh Vijayan, IISER Thiruvananthapuram Title: 'Determining the Critical Molecular Interactions Responsible for tau-Fibril Formation'
04:00 PM – 04:10 PM	ST-13: Ms. Monika Gupta, IISER Mohali Title: 'A New Strategy towards the Synthesis of Room-Temperature Discotic Nematic Liquid Crystals'
04:10 PM – 04:20 PM	ST-14: Mr. Bholanath Maity, IISER Kolkata Title: 'Regio- and Stereoselectivity in Ru-catalyzed Hydroamidation and Hydrocarboxylation of Terminal Alkynes: A Computational Insight'
04:20 PM – 04:30 PM	ST-15: Ms. Sabnam Kar, IISER Thiruvananthapuram Title: 'Chiroptical Properties of Helical Assemblies: A Generalized Molecular Approach Using Phenylene-ethynylenes'
04:30 PM - 04:50 PM	TEA/ COFFEE BREAK
SESSION 7 (4:50 PM–6:20 PM) Chairpersons: Prof. K. George Thomas, IISER Thiruvananthapuram (IL 16-18) & Dr. Supratim Banerjee, IISER Kolkata (ST 16-18)	
04:50 P M – 05:10 PM	IL-16: Dr. Sanjay Singh, IISER Mohali Title: 'Reactive yet 'Bottle-able' Hydrido Borenum Cations and Their Aluminum Congeners'
05:10 PM – 05:30 PM	IL-17: Dr. Abhijit Patra, IISER Bhopal Title: 'Multifunctional Porous Organic Polymers'
05:30 PM – 05:50 PM	IL-18: Dr. Dibyendu Das, IISER Tirupati Title: 'Supramolecular Catalysts for Chemical Evolution'
05:50 PM – 06:00 PM	ST-16: Mr. Annaram Thirupathi, NISER Bhubaneswar Title: 'New Approach for the Synthesis of Indolo Fused Quinolines via C-H Amination'
06:00 PM – 06:10 PM	ST-17: Mr. Anant K. Shivastava, IISER Pune Title: 'Effect of Guest Cations on the Ferroelectric Polarization Attributes of Supramolecular Metal-Organic Cavitand'
06:10 PM – 06:20 PM	ST-18: Mr. Abbey M. Philip, IISER Thiruvananthapuram Title: 'Prolonged Charge Separated States in Twisted Stacks of All-Carbon Donor and Acceptor Chromophores'
07:30 PM - 10:00 PM	DINNER (COMMUNITY CENTRE)
January 22, 2017 (Sunday)	
SESSION 8 (9:00 AM–10:30 AM) Chairpersons: Dr. Sujit Ghosh, IISER Pune (IL 19-21) & Dr. Debashis Adhikari, IISER Mohali (ST 19-21)	
09:00 AM – 09:20 AM	IL-19: Dr. Moloy Sarkar, NISER Bhubaneswar Title: 'Understanding the Behavior of Dicationic Room Temperature Ionic Liquids

	Through Steady State, Time-Resolved Fluorescence and NMR Studies'
09:20 AM – 09:40 AM	IL-20: Dr. Reji Varghese, IISER Thiruvananthapuram Title: 'DNA-Decorated Soft Nanostructures'
09:40 AM – 10:00 AM	IL-21: Dr. Srabanti Chaudhury, IISER Pune Title: 'Understanding Cooperativity and Dynamic Disorder in the Fluctuating Enzymes at the Single Molecular Level'
10:00 AM – 10:10 AM	ST-19: Ms. Ginny Karir, IISER Mohali Title: 'Phenylacetylene-Formic Acid Complexes - A Rich Landscape of H-Bonded Heterodimers Studied Using Matrix Isolation Infrared Spectroscopy and Ab Initio Computations'
10:10 AM – 10:20 AM	ST-20: Mr. Shrivats Semwal, IISER Bhopal Title: 'Turning a Molecular Coordination Switch into a Smart Catalyst Switch'
10:20 AM – 10:30 AM	ST-21: Mr. Maidul Islam, IISER Pune Title: 'Expedient Synthesis of Henpentaconta-saccharide of <i>Mycobacterium Tuberculosis</i> Cell Wall'
10:30 AM – 11:00 AM	TEA/ COFFEE BREAK
SESSION 9 (11:00 AM–12:30 PM) Chairpersons: Prof. K. S. Vishwanathan, IISER Mohali (IL 22-24) & Dr. Malay K. Rana, IISER Berhampur (ST 22-24)	
11:00 AM – 11:20 AM	IL-22: Dr. Biplab Maji, IISER Kolkata Title: 'Identification of Small Molecule Organocatalyst for Visible Light-Promoted Selective C-S Bond Formation'
11:20 AM – 11:40 AM	IL-23: Dr. Amit Paul, IISER Bhopal Title: 'Improving the Science of Energy Storage'
11:40 AM – 12:00 PM	IL-24: Dr. Arijit K. De, IISER Mohali Title: 'Probing Picosecond Solvation Dynamics Using Fluorescent Probes with Very Small Shift'
12:00 PM – 12:10 PM	ST-22: Mr. Tanmay Das, IISER Kolkata Title: 'On-Line Ammonia Sensor by Fluorescent Zwitterionic Spirocyclic Meisenheimer Complex'
12:10 PM – 12:20 PM	ST-23: Mr. Amarnath Bollu, NISER Bhubaneswar Title: 'Synthesis and Conformational Studies of Pyrazolone Derived Amino Acids'
12:20 PM – 12:30 PM	ST-24: Mr. Amit Kumar Mondal, IISER Bhopal Title: 'A Convenient Approach for Switching the Single Ion Anisotropy in Trigonal Bipyramidal Co(II)-Complexes'
12:30 PM – 12:45 PM	PRIZE DISTRIBUTIONS Chairperson, <i>Poster Evaluation Committee</i>
12:45 PM – 01:00 PM	VOTE OF THANKS Dr. Alakesh Bisai, Convener, <i>Inter-IISER Chemistry Meet 2017</i>
01:00 PM – 01:15 PM	CONCLUDING REMARKS Prof. Vinod K. Singh, Director, IISER Bhopal
01:30 PM – 02:30 PM	LUNCH (COMMUNITY CENTRE)
02:30 PM – 06:00 PM	EXCURSION Archaeological Museum & The Great Stupa at Sanchi