



2016

Third In-house Symposium, Department of Chemistry, IISER Bhopal

Venue: L4, LHC

October 1, 2016

9:30 AM – 9:45 AM Welcome Address (L4)		
Scientific Session-I (9:45 AM – 11:30 AM) Session Chair: Dr. Joyanta Choudhury		
9:45 AM – 10:00 AM	OP - 1	<b>Adiki Rajasekhar</b> <i>"Zwitterionic BODIPYs with Larger Stokes Shift: Small Molecular Biomarkers for Live Cells"</i>
10:00 AM – 10:15 AM	OP - 2	<b>Falguni Chandra</b> <i>"Host-induced Guest Protonation: A Step Towards Drug Delivery"</i>
10:15 AM – 10:30 AM	OP - 3	<b>Chander Pratap Singh</b> <i>"Solid state proton conduction through oxygen functionalized few-layer graphene"</i>
Session Chair: Dr. Sreenivas Katukojvala		
10:30 AM – 10:45 AM	OP - 4	<b>Pradip Mondal</b> <i>"Crystal structure landscape in conformationally flexible organo-fluorine compounds"</i>
10:45 AM – 11:00 AM	OP - 5	<b>Saikat Chaudhuri</b> <i>"Asymmetric Total Syntheses of Ergot Alkaloids of Biological Relevance"</i>
11:00 AM – 11:15 AM	OP - 6	<b>Maheshwerreddy Chilamari</b> <i>"Making a single residue react in the protein backbone"</i>
11:15 AM – 11:30 AM	OP - 7	<b>Sadhan Jana</b> <i>"Visible light-induced metal-free tandem trifluoromethylation of enynes"</i>
11:30 AM – 11:45 AM Tea/Coffee Break		
Scientific Session-II (11:45 AM – 12:45 PM) Session Chair: Dr. Alakesh Bisai		
11:45 AM – 12:00 PM	OP - 8	<b>Narayani Ghosh</b> <i>"Hydrophobicity is the Governing Factor in the Interaction of Human Serum Albumin with Bile Salts"</i>
12:00 PM – 12:15 PM	OP - 9	<b>Yogesh Mahadev Gangarde</b> <i>"Design and synthesis of peptidomimetic foldamers for inhibition of amyloid beta aggregation"</i>
12:15 PM – 12:30 PM	OP - 10	<b>Dr. Abhishek Chanchal</b> <i>"Two facets of a Phenylalanine derivative: Hydrogelation as well as HDAC inhibition"</i>
12:30 PM – 12:45 PM	OP - 11	<b>Santanu Das</b> <i>"Rab-GTP Hydrolysis Mediated by TBC Domain GAP Protein: Mechanistic Insights from QM/MM Metadynamics Simulations"</i>
12:45 PM – 2:45 PM Lunch Break and Poster Session (P-1 – P-34)		
Scientific Session-III (2:45 PM – 3:45 PM) Session Chair: Dr. Deepak Chopra		
2:45 PM – 3:00 PM	OP - 12	<b>Amit Kumar Mondal</b> <i>"Tailoring the Magnetic Anisotropy in Pentacoordinate Cobalt(II) Single Ion Magnets"</i>
3:00 PM – 3:15 PM	OP - 13	<b>Suraj K. Gupta</b> <i>"Electronically Controlled Ru(II)-NHC platform for the Highly Selective Catalytic Oxidative Carbon–Carbon Multiple Bond Cleavage"</i>
3:15 PM – 3:30 PM	OP - 14	<b>Gangam Srikanth Kumar</b> <i>"Ruthenium-catalyzed, Site-selective C-H Alkylation of Indoles with Allyl Alcohols as Coupling Partners"</i>
3:30 PM – 3:45 PM	OP - 15	<b>Reddy Rajasekhar Reddy</b> <i>"Organocatalytic, Enantioselective Synthesis of Cyclohexanone Containing Hindered Spirocyclic Ethers via Oxidative Dearomatization/oxa-Michael Addition Cascade"</i>
3:45 PM – 4:00 PM Tea/Coffee Break		
Scientific Session-IV (4:00 PM – 5:00 PM) Session Chair: Dr. Saptarshi Mukherjee		
4:00 PM – 4:15 PM	OP - 16	<b>Dr. Kaustubh Kaluskar</b> <i>"Simulating Atom Probe Tomography using real-time TDDFT"</i>
4:15 PM – 4:30 PM	OP - 17	<b>Bahadur S.K.</b> <i>"C-C coupling over Schiff base condensation: fabrication of a pH-switchable fluorescent molecular material"</i>
4:30 PM – 4:45 PM	OP - 18	<b>Bapurao Sudam Lad</b> <i>"New Reactions of Diazoenals: Synthesis of N, O-Containing Heterocycles"</i>
4:45 PM – 5:00 PM	OP - 19	<b>Arnab Biswas</b> <i>"Enantioselective Synthesis of Highly Substituted Chromans via Oxa-Michael- Michael Cascade Reaction with Bifunctional Organocatalyst"</i>
5:00 PM – 5:15 PM Tea/Coffee Break		
Flash Presentations (5:15 PM – 6:25 PM) Session Chair: Dr. Abhijit Patra		
5:15 PM – 5:22 PM	FP 1	<b>Chimala Pratyusha</b> <i>"Expeditious Synthesis of Dimeric 2-Oxindoles via DDQ-Mediated Oxidative Coupling"</i>
5:22 PM – 5:29 PM	FP 2	<b>Pritam Sadhukhan</b> <i>"Thermal &amp; Light induced Spin-crossover in Transition Metal Complexes"</i>
5:29 PM – 5:36 PM	FP 3	<b>Antony Joseph</b> <i>"Heat induced monitoring of the aggregation of non native Lysozyme at physiological pH"</i>
5:36 PM – 5:43 PM	FP 4	<b>Abhishek Kumar</b> <i>"Developing Novel Hydrogenation-Dehydrogenation Catalyst for Reversible Hydrogen Storage/Delivery Systems"</i>
5:43 PM – 5:50 PM	FP 5	<b>Rameez Rahman</b> <i>"Structure Property Correlation in COFs"</i>
Session Chair: Dr. Ishu Saraogi		
5:50 PM – 5:57 PM	FP 6	<b>Nilotpal Kapuria</b> <i>"Aggregation induced emission of dye inside polymer dots for NIR imaging"</i>
5:57 PM – 6:04 PM	FP 7	<b>Haritha P</b> <i>"Redox Hopping Mechanism in Metal-Organic Frameworks (MOFs)"</i>
6:04 PM – 6:11 PM	FP 8	<b>Ashish James</b> <i>"Role of tyrosine in the synthesis of luminescent silver nanoclusters"</i>
6:11 PM – 6:18 PM	FP 9	<b>Nishanth Thomas</b> <i>"Modified polyol synthesis for Silver nanostructures using Tween 20 surfactant"</i>
6:18 PM – 6:25 PM	FP 10	<b>Divyanshu Soni</b> <i>"Investigation on the structure &amp; dynamics of hydrated room temperature ionic liquid"</i>
6:30 PM – 6:45 PM Best Poster Award and Closing Remarks		
7:00 PM onwards Dinner		