

Research Scholar's Day

November 10th 2018

Outreach Auditorium, Indian Institute of Technology Kanpur

09:25 Hr.	Inauguration: Head of the Department, Chemistry	
	Chair: Ramesh Ramapanicker	
09:30 Hr.	Nilimesh Das	Structural, Functional and Dynamical Responses of Protein in Restricted Environment Imposed by Macromolecular Crowding
09:50 Hr.	Payal Srivastava	Chemotherapeutic Activity of Ruthenium(II) Complexes- Design and Biological Perspective
10:10 Hr.	Nagabhushan	Ruthenium Catalysed C-H Activation of Allyl Esters: A Highly Stereoselective Synthesis of (E,E)-1,3,4-Trisubstituted 1,3-Dienes
10:30 Hr.	Soumyadeb Dey	Quantification of Aromaticity of Heterocyclic Systems Using Interaction Coordinates
10:50 Hr.	Tea	
	Chair: Manabendra Chandra	
11:20 Hr.	I. Avinash	Imidazole based ambiphilic ligands: A snapshot of our recent results
11:40 Hr.	Keerti Mishra	Draft genome sequencing and crystal structure of Catechol 2,3-dioxygenase from 3-NT degrading <i>Diaphorobacter</i> sp DS2.
12:00 Hr.	Ajitesh Singh	Microscopic investigation of binary mixture using optical tweezers
12:20 Hr.	Avinash Dhamija	Probing Molecular Chirality: Transfer, Control and Rationalization
12:40 Hr.	B. S. Ramakrishna	Rhodium-catalyzed directing group assisted reactivity studies involving aldehydic C-H functionalizations
13:00 Hr.	Lunch	
	Chair: Nisanth N. Nair	
15:00 Hr.	Sagarmoy Mondal	Enhanced Sampling and Free Energy Calculations with Hybrid Functionals and Plane Waves for Chemical Reactions
15:20 Hr.	Arunava Sengupta	Aerial C-H bond activation and aromatic ring hydroxylation in Cu ^{II} and Co ^{III} complexes of Schiff base containing phenol-carboxamide ligand
15:40 Hr.	Prabhakar Pandey	Fluoro-Functionalization of Olefins
16:00 Hr.	Poster Session and High Tea	
	Chair: Thiruvancheril G. Gopakumar	
17:00 Hr.	Sandeep Verma	Nobel Lecture: Talk on the 2018 Nobel Prize in Chemistry
17:35 Hr.	T. G. Gopakumar	Vote of thanks

Posters

Sl. No	Name	Title of Posters
1	Aritra Dad	Photo-induced Electron Transfer and Marcus Inversion
2	Ashok Kumar and Kedar Yadav	Computational Structure-Property Correlations in Solid State Materials
3	Rahul Verma	Cyclohexane Oxidation in Zeolites: Molecular Mechanism and Energetics
4	Nidhi Sorout	Effects of boron nitride nanotube on the secondary structure of A β (1-42) trimer: Inhibitory effect on amyloid formation
5	Razia	Surface Stress and Surface Reconstructions: An Ab-initio study on the polar GaN(0001) surface
6	Prithwidip Saha	Solvent Induced Polymorphs of 2-ferrocenyl-1,3-dithiolane and its Control on Surface
7	Manish	Understanding the role of LSPR line width and plasmon mode-volume in nanoscale plasmon-exciton interaction
8	Sujan Shee	Cobalt Complex Catalyzed Synthesis of Quinoxaline, Quinoline and 2-Alkylaminoquinoline Derivatives
9	Mohammad Zafar Abbas	Elucidation of Energy Transfer Pathways in Dual-Sensitized Luminescent Europium(III) and Terbium(III) Complexes of β -Diketonate and Substituted Terpyridine
10	Amit Kumar	Probing bis Fe(IV) MauG: Isolation of Highly Reactive Radical Intermediates
11	Sabeeha Parveen	Backbone Boron Functionalized Imidazole and Imidazolium salt: Synthesis and Anion Sensing Properties
12	Kuldeep Singh	Hemilability Driven Water Activation: A Ni(II) Catalyst for Base-Free Hydration of Nitriles to Amides
13	Rajib Mandal	Cp*Co(III) – Catalyzed C-H Bond Functionalizations Using Weakly Coordinating Directing Groups
14	Harshit Joshi	Asymmetric Construction of Remote Vicinal Quaternary and Tertiary Stereocenters via Direct Doubly Vinylogous Michael Addition
15	Maheswar Reddy	Red fluorescent protein (RFP) chromophore inspired imidazolin-5-one molecule as organic photovoltaic materials
16	Swati Sharma	New innovation of improvised peptide treated hMSCs with changed mechanical properties
17	Vibha Tiwari	Halo-Functionalization of Allenes
18	Navya Chauhan	Stereospecific Synthesis of Highly Substituted Piperazines via a One-Pot Three Component Ring-Opening Cyclization from N-activated Aziridines, Anilines and Propargyl Carbonates
19	M. Suresh	Cross-coupling reactivity of 1,1-dichloroalkenes under palladium catalysis: Domino synthesis of diarylalkynes