

## In-House Symposium March 10<sup>th</sup> 2012, Department of Chemistry Scientific Program

Time	Events
08.45 – 09. 00	Registration
09.00 – 09.20	Inauguration and Welcome address
<b>Session I</b>	
<b>Chairperson:</b> Mr. Narendra Kumar	
09.20 – 09.55	Prof. Y.U. Sasidhar <i>To Direct Or To Be Directed</i>
09.55 – 10.15	Ms. Rama Kanwar <i>Synthetic Utility of Sugar-Derived Cyclic Nitrones</i>
10.15– 10.35	Mr. Dharendra Kumar Rai <i>Reaction of 3-ferrocenylpropynal with iron carbonyl and chalcogenised iron carbonyl clusters: Formation of new ligands; [Fe(CO)<sub>3</sub>-η<sup>4</sup>-(FcC<sub>2</sub>CHO)<sub>2</sub>], [Fe(CO)<sub>2</sub>{η<sup>2</sup>:η<sup>2</sup>-(FcC<sub>2</sub>CHO)<sub>2</sub>Fe(CO)<sub>3</sub>-μ-CO}] and 1,2,3-triselenole</i>
10.35 – 11.05	<b>Tea break and photo session</b>
<b>Session II</b>	
<b>chairperson:</b> Mr. Palanichamy Kalanidhi	
11.05 – 11.25	Mr. E Siva Subramaniam Iyer <i>Importance of electrostatic interactions in the mobility of cations in Nafion</i>
11.25 – 11.45	Mr. Akhilesh Kumar Sharma <i>Mechanistic Studies on Proline Catalyzed Reactions: Enamine Carboxylic Acid vs Enamine Carboxylate/Oxazolidinone Transition State Models</i>
11.45 – 12.05	Ms. Hemlata Aggarwala <i>Correspondence of Ru<sup>III</sup>Ru<sup>II</sup> (d<sup>5</sup>d<sup>6</sup>) and Ru<sup>IV</sup>Ru<sup>III</sup> (d<sup>4</sup>d<sup>5</sup>) Mixed Valent States in a Small Dinuclear Complex</i>
12.05 – 12.25	Mr. Kalisankar S Bera <i>Enantioselective Michael Addition of Nitrophosphonates to Activated Olefins for Synthesis of Quaternary α-Aminophosphonates</i>
12.25 – 13.00	Prof. Debabrata Maiti <i>Palladium Catalyzed Aldehyde Decarbonylation Reaction</i>
13.00 – 15.00	<b>Lunch and Poster Session</b>
<b>Session III</b>	
<b>chairperson:</b> Mr. Vikram Ashok Sarpe	
15.00 – 15.20	Mr. Arghya Dey <i>Isomer Dependent Fluorescence Quenching in Hydrogen Bonded Complexes of Phenylacetylenes</i>
15.20 – 15.40	Mr. Ajay Singh Tanwar <i>Structural and Biochemical Studies of Channeling of Unstable Intermediates in Biological Pathways</i>

- 15.40 – 16.00 Mr. Saurabh K. Singh  
*New theoretical perspectives on the Magnetic coupling in {3d-4f} Molecular Nano Magnets*
- 16.00 – 16.20 Mr. Pravin Kumar Bhalerao  
*Inverse Demand Diels-Alder Approach Towards framework of Atisanes: Generation of Molecular Complexity from Simple Aromatics*

16.20 – 16.40 **Tea break**

#### Session IV

**Chairperson:** Ms. Garima Jindal

- 16.40 – 17.00 Ms. Susmita Naik  
*Triazine based tridentate and terpyridine based pentadentate ligands: Synthesis, Transition Metal Chemistry and Photophysical study*
- 17.00 – 17.20 Mr. Sanjay Upadhyay  
*Temperature dictates the conformational preference of “RGD” in peptide sequence “RIPRGDMP” from kistrin and selects the bio-active conformation: Implications for inhibitor design*
- 17.20 – 17.55 Prof. Anil Kumar  
*Challenges and Opportunities in Functional Conjugated Polymers and Materials NEMS/MEMS Devices: A Synthetic Chemistry Approach*
- 17.55 – 18.15 Vote of thanks and concluding remarks
- 18.15 – 18.30 **High Tea**