CHEMFEST-2009  
(An In-House Symposium of the Department of Chemistry, IIT Kanpur)

Venue: Outreach Auditorium  
Date: October 31, 2009 (Saturday)

8:55 - 9:00  Prof. V. Chandrasekhar, Head, Department of Chemistry  
Introductory remarks

SESSION I (9:00 - 10:30)

Chairman: Prof. J. N. Moorthy

9:00 - 9:30 Prof. Y. D. Vankar  
Development of Newer Methodologies in Carbohydrate Chemistry en route to Some Biologically Important Molecules

9:30 - 10:00 Prof. A. Chandra  
Hydration and dynamics of protonic defects in aqueous media

10:00 - 10:15 Ms Dipti Shukla  
$S_2$-Type Ring-Opening of Aziridines and Azetidines: Enantioselective Synthesis of Morpholines and Homologues

10:15 - 10:30 Mr. Tapas Goswami  
Simultaneous effect of chirp and polarization on the control of femtosecond molecular fragmentation

10:30 - 11:00 TEA Break

SESSION II (11:00 - 12:30)

Chairman: Prof. V. Chandrasekhar

11:00 - 11:30 Prof. S. Sarkar  
Carbon Whiskers, Cuboids and Quantum Dots

11:30 - 12:00 Prof. S. Verma  
Ordered Biomolecular Assemblies: From Pentapeptide to Proteins

12:00 - 12:15 Ms Anindita De  
Tyrosinase Modeling. Aromatic Ring Hydroxylation: A Rationale from CuII2/CuI2 Redox Potential Values

12:15 - 12:30 Mr. Satyajit Saha  
Organocatalysts with enhanced hydrogen bonding potential for enantioselective Aldol, Michael and Biginelli Reactions
SESSION III (14:15 - 15:30)

Chairman: Prof. A. Chandra

14:15 - 14:45  Prof. J. K. Bera
   Cooperative Reactivity

14:45 - 15:15  Prof. M. Ranganathan
   Impurity Effects in Crystal Growth from Solutions

15:15 - 15:30  Mr. Srirambalaji
   1,3-Bis(2-pyridyl)imidazol-2-ylidene Stabilized Trinuclear Copper(I) Cluster and its Properties

Special Lecture

15:30 - 15:55  Prof. V. Chandrasekhar
   Safety in Chemistry Labs

16:00 - 18:00  TEA/POSTER SESSION

POSTERS:

1. "Coordination, luminescence and aggregation of a modified adenine-silver complex" by Mrituanjay D. Pandey, Vadapalli Chandrasekhar, Sandeep Verma

2. "Vibrational Spectral Diffusion and Hydrogen bond Dynamics in Liquid Methanol: An ab initio Molecular Dynamics Study" by Vivek K. Yadav, J. RoyChoudhuri, A. Karmakar and Amalendu Chandra

3. "Silver-Adenine Frameworks"
   by Jitendra Kumar, A. K. Mishra, C. S. Mishra and Sandeep Verma

4. "Spectrally resolved femtosecond photon echo spectroscopy of astaxanthin" by Ajitesh Kumar, S. K. Karthick Kumar, Vivek Tiwari, Debabrata Goswami

5. "Activation of Cyclooctadiene (COD) at the Iridium Center: An Experimental and DFT Study" by Wahidur Rahaman and Jitendra K. Bera


7. "Homo-/Hetero-bimetallic Complexes of Pyridine/Pyrazine Amide Ligands: An Account" by Sharmila Pandey and R. N. Mukherjee

8. "Base-catalyzed fragmentation of norbornyl hydroxy oxetanes" by G. Hari Mangeswara Rao and F.A. Khan

9. "Degradation of N,N-dimethylformamide by paracoccus species – Cloning of DMFase" by Shiv Swaroop and Gurunath Ramanathan
10. "CAN catalyzed azidation of 1,2-anhydrosugars: Applications in the synthesis of structurally diversified sugar derived morpholine triazoles and sugar oxazine-2-ones as glycosidase inhibitors" by Y. Suman Reddy and Y. D. Vankar

11. "Functional Coordination Polymers Built with Semi-flexible Ligands" by Prem Lama and P. K. Bharadwaj


15. "Binuclear Pd-NHC Carbene via Transmetalation: Structural and Spectroscopic Characterization" by Biswajit Santra, R. Srirambalaji and G. Anantharaman