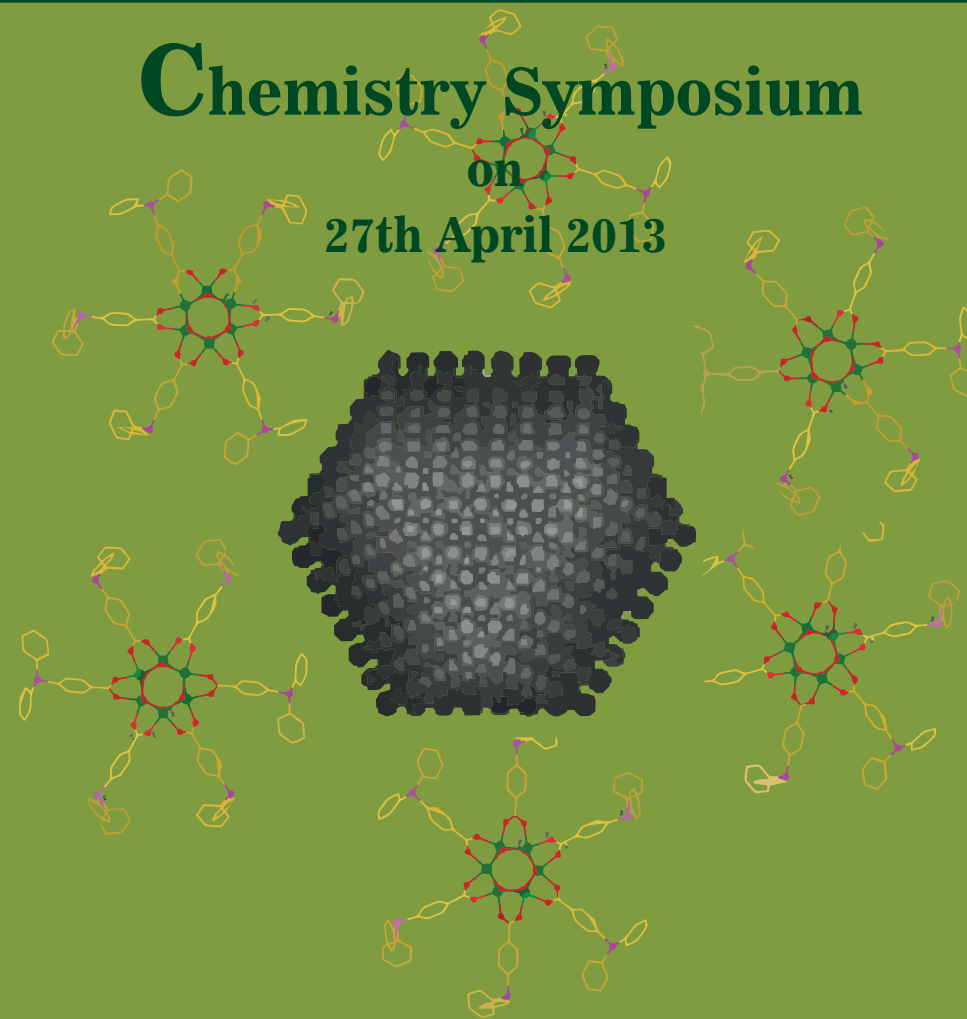


Centre for Interdisciplinary Sciences

21, Brundavan Colony, Narsingi, Hyderabad- 500 075

Chemistry Symposium

on
27th April 2013



Inauguration: 08:45 - 09:00 AM

**Sriram Ramaswamy,
Mustansir Barma,
Ramakrishna Ramaswamy**

Session 1 - Chair: Rama Govindarajan

SPEAKERS

Ramakrishna Ramaswamy 09:00 – 09:20 AM

1/f Noise in water and other systems

G. Krishnamoorthy 09:20 – 09:40 AM

Fluorescence dynamics in biology

Shyamalava Mazumdar 09:40 – 10:00 AM

*Understanding the role of the non-bonded amino acids near the metal ion in a metalloprotein:
rational design of an artificial metalloenzyme*

Ankona Datta 10:00 - 10:20 AM

Phospholipid sensors: targeting the membrane lipidome

Tea Break 10:20 – 10:40 AM

Session 2 - Chair: Kalidas Sen

SPEAKERS

T. P. Radhakrishnan 10:40 – 11:00 AM

A new hierarchy of assembly of molecular materials through the amorphous phase

Deepa Khushalani 11:00 - 11:20 AM

Materials chemistry of oxides: formation and function

R. Chandrasekar 11:20 - 11.40 AM

Light-soft matter interaction: organic optical wave guides

Ashwini Nangia 11:40 AM – 12:00 Noon

Temozolomide-Succinic acid cocrystal: From chemistry to pre-clinical

A. Sri Rama Koti 12:00 - 12.20 PM

Mechanical stability of proteins probed by single-molecule methods

Sudipta Maiti 12:20 – 12:40 PM

No misfolding for amyloid beta

Lunch 12:40 – 02:00 PM

Session 3 - Chair: K. C. Kumara Swamy

SPEAKERS

Anunay Samanta 02:00 – 02:20 PM

What do the fluorescence studies in ionic liquids tell us about these substances?

Sanjay Wategaonkar 02:20 – 2:40 PM

Probing weak H-bonds

Jyotishman Dasgupta 02:40 - 03.00 PM

Unraveling the molecular nature of facile charge transfer in organic photovoltaics

Susanta Mahapatra 03:00 – 3:20 PM

Stellar spectroscopy and diffuse interstellar bands

Ravindra Venkatramani 03:20 – 3:40 PM

Shake to make or break: protein dynamics revealed through the computational microscope

Tea Break 03:40 – 04:00 PM

Session 4 - Chair: Lalita Guruprasad

SPEAKERS

R. V. Hosur 04:00 – 04:20 PM

Recent Development in Protein NMR

Abani Bhuyan 04:20 - 04:40 PM

Expansion and internal diffusion of unfolded protein chain

Haripal Sonawat 04:40 - 05.00 PM

NMR-based metabolomics of malaria

K. V. R. Chary 05:00 – 05:20 PM

NMR in biological systems

P. K. Madhu 05:20 – 05:40 PM

Spins to peptides with solid-state NMR