

XX NOST-Organic Chemistry Conference

Venue: The Ananta, Udaipur

(December 4-7, 2019)

December 4, 2019 (Wednesday)

(3:45 – 4:00 PM)	Welcome Remarks by Co-Chair, NOST Council Srivari Chandrasekhar (CSIR-IICT Hyderabad, India) & Sandeep Verma (IIT Kanpur, India) Introduction to NOST Ganesh P Pandey, President, NOST Trust
PANACEA BIOTEC SESSION	
SESSION 1 (4:00 - 5:40 PM)	Chairperson: Ganesh P Pandey (BHU, Varanasi)
4:00 – 4:30 PM	Alison Hulme (University of Edinburgh, UK) <i>Real-time, Bioorthogonal Imaging of Intracellular Drug Concentrations</i>
4:30 – 5:00 PM	J K Bera (IIT Kanpur, India) <i>Bifunctionality in Organometallic Catalysis for Sustainable Energy Production and Synthesis</i>
5:00 – 5:20 PM	Prasanta Ghorai (IISER Bhopal, India) <i>Bifunctional Organocatalytic Michael Additions as the Key Strategy: Enantioselective Synthesis of Fused and Spirocyclic Organic Molecules</i>
5:20 – 5:40 PM	Namrata Rastogi (CSIR-CDRI, Lucknow, India) <i>Organic Molecules as Photocatalysts under Visible Light Irradiation</i>
5:40 – 6:00 PM	TEA / COFFEE BREAK
JUBILANT LIFE SCIENCES & BASF SESSION	
SESSION 2 (6:00 – 7:10 PM)	Chairperson: S Chandrasekaran (IISc Bangalore, India)
6:00 – 6:30 PM	Guillaume Vincent (Universite Paris Sud, France) <i>Dearomatisation of Indoles for the Total Synthesis of Natural Products</i>
6:30 – 6:50 PM	Chandan K Jana (IIT Guwahati, India) <i>Iminium-Activated C-H Functionalization of Amines</i>
6:50 – 7:10 PM	Mahiuddin Baidya (IIT Madras, India) <i>Towards Sustainable C–H Bond Functionalization Reactions</i>
7:30 PM	MIXER & DINNER

December 5, 2019 (Thursday)

DST-SERB & SYNGENTA BIOSCIENCES SESSION	
SESSION 3 (9:00 – 10:50 AM)	Chairperson: Sandeep Verma (SERB, New Delhi)
9:00 – 9:30 AM	G Mugesh (IISc Bangalore, India) <i>Redox Active Small Molecules as Artificial Enzymes</i>
9:30 – 10:00 AM	Alexander Heckel (Goethe-University Frankfurt, Germany) <i>Regulation of Nucleic Acids in Time and Space</i>
10:00 – 10:30 AM	James A Bull (Imperial College London, UK) <i>Heterocycles as a Route to New Chemical Space for Drug Discovery</i>
10:30 – 10:50 AM	S G Srivatsan (IISER Pune, India) <i>Clickable Nucleotide Toolbox for Visualizing RNA and Displaying Functional Small Molecules on Specific Gene Targets</i>
10:50 – 11:20 AM	TEA / COFFEE BREAK
AVRA-IICT SESSION	
SESSION 4 (11:20 - 1:10 PM)	Chairperson: A V Rama Rao (AVRA Laboratories)
11:20 – 11:50 AM	Jonathan George (University of Adelaide, Australia) <i>Variations on a Chromene – Biomimetic Total Syntheses of Rhodonoids C and D, Bruceol and Isobruceol, and Nyingchinoids A and B</i>
11:50 – 12:20 PM	C V Ramana (CSIR-NCL, Pune) <i>Total Synthesis Driven Methodologies</i>
12:20 - 12:50 PM	Geraldine Masson (Institut des Sciences Naturelles, France) <i>Visible Light Photoredox Catalysis as a tool for functionalization and preparation of complex organic molecules</i>
12:50 – 1.10 PM	D. S. Sharada (IIT Hyderabad) <i>Hypervalent Iodine Reagents: A Sustainable Synthetic Tool Box for Organic transformations</i>
1:10 – 2:10 PM	LUNCH
CIPLA SESSION	
SESSION 5 (3:00 - 4:20 PM)	Chairperson: Scott Snyder (The University of Chicago USA)
3:00 - 3:30 PM	Martin Banwell (The Australian National University, Canberra) <i>New Methodologies for the Synthesis of Biologically Active Natural Products</i>
3:30 - 4:00 PM	Ch. Raji Reddy (CSIR-IICT, Hyderabad) <i>Cascade Reactions of Propargylic Alcohols and Propiolamides</i>
4:00 - 4:20 PM	R. Balamurugan (University of Hyderabad, India) <i>Cyclizations Using In Situ Formed Acetals</i>
4:20 - 5:00 PM	TEA / COFFEE BREAK

TRUSTEES SESSION Women in Organic Chemistry	
(5:00 – 6:15 PM)	Chairperson: Vinod K Singh (IIT Kanpur) <ul style="list-style-type: none"> • Panel: Prathama Mainkar, Namrata Rastogi, Alison Hulme, D Sharada, Deeksha Gupta, Nishima Wangoo, Anne Deveson, Richard Kelly, Ritu Kapoor • Open discussion
7.30 PM	BANQUET DINNER

December 6, 2019 (Friday)

ASTRA ZENECA SESSION	
SESSION 6 (9:00 -10:50 AM)	Chairperson: S Chandrasekhar (CSIR-IICT, Hyderabad)
9:00 - 9:30 AM	Lanny S. Liebeskind (Emory University, USA) <i>Organochalcogen-Catalyzed Aerobic Redox Dehydration</i>
9:30 - 10:00 AM	Suvarn Kulkarni (IIT Mumbai, India) <i>Expeditious Synthesis of Bacterial Glycoconjugates</i>
10:00 - 10:30 AM	Rebecca Melen (Cardiff University, UK) <i>Lewis Acidic Boranes in Synthesis and Catalysis</i>
10:30 - 10:50 AM	Samik Nanda (IIT Kharagpur, India) <i>Synthetic studies towards γ-alkylidenebutenolide containing natural products</i>
10:50 - 11:20 AM	TEA / COFFEE BREAK
SUN PHARMA SESSION	
SESSION 7 (11:20 - 1:00 PM)	Chairperson: Javed Iqbal (Cosmic Therapeutics, India)
11:20 - 11:50 AM	Josef Wachtveitl (Goethe Universität Frankfurt, Germany) <i>Photoinitiated Functional Dynamics of Retinal Proteins</i>
11:50 - 12:20 PM	Bhisma K Patel (IIT Guwahati, India) <i>Emerging Facets of Nitrogen Centered Radicals</i>
12:20 - 12:40 PM	Williamson Unsworth (University of York, UK) <i>Successive Ring Expansion Reactions for the iterative synthesis of macrocycles</i>
12:40 - 1:00 PM	Vijaya Anand (IISER Mohali, India) <i>p-Quinone Methides: Versatile Synthons in the Construction of Carbocyclic Frameworks</i>
1:00 – 2:30 PM	LUNCH
Sightseeing Trip (03:00 – 06:00 PM)	
7.30 PM	DINNER

December 7, 2019 (Saturday)

PI INDUSTRIES SESSION	
SESSION 8 (9:00 – 11:00 AM)	Chairperson: Sunil Mandal (PI Industries, Udaipur)
9:00 – 9:30 AM	Hon Wai Lam (University of Nottingham, UK) <i>Nickel-Catalyzed Arylative Cyclizations: A Versatile Platform for Carbo- and Heterocycle Synthesis</i>
9:30 – 10:00 AM	Krishna N Singh (Banaras Hindu University, Varanasi) <i>Development of Some New Protocols in Organic Synthesis</i>
10:00 – 10:20 AM	Debaraj Mukherjee (CSIR-IIIM, Jammu, India) <i>Transformative potential of sugar enol ethers towards different exigent structures</i>
10:20 – 10:40 AM	Surajit Ghosh (IIT Jodhpur, India) <i>Spatial Position Regulates Power of Tryptophan: Discovery of Nuclear Localizing Cell Penetrating Peptide</i>
10:40 – 11:00 AM	Bhoopendra Tiwari (CBMR-Lucknow, India) <i>Enantioselective Novel Functionalization of Olefins Using Hypervalent Iodines</i>
11:00 – 11:10 AM	Concluding Remarks
	BRUNCH followed by Departures