

XVI NOST-Organic Chemistry Conference (NOST-OCC)
Venue: Hotel Jaypee Palace and Convention Centre, Agra
(April 4-7, 2014)

April 4, 2014 (Friday)	
(2:30 PM – 2:45 PM)	Introductory Remarks: (K. Nagarajan / Vinod Singh)
PANACEA BIOTEC Session	
SESSION 1 (2:50 PM – 4:10 PM)	Chairperson: Professor S. Chandrasekaran (IISc Bangalore)
2:50 – 3:20	Ganesh Pandey (CBMR, Lucknow, India) <i>Sp³ C-H Activations by Photoredox Catalyses</i>
3:20 – 3:50	Carmen Najera (University of Alicante, Spain) <i>Direct Nucleophilic Substitution of Allylic Alcohols Catalyzed by Lewis or Brønsted Acids</i>
3:50 – 4:10	Ramesh Ramapanicker (IIT Kanpur, India) <i>Synthetic Applications of Amino Acid and Sugar Based Chirons</i>
4:10 PM	TEA/ COFFEE BREAK
JUBILANT LIFE SCIENCES Session	
SESSION 2 (4:40 PM – 6:50 PM)	Chairperson: Prof. V. Chandrasekhar (NISER Bhubaneswar, India)
4:40 – 5:10	Burkhard König (Universität Regensburg, Germany) <i>Chemical Photocatalysis - Organic Chemistry with Visible Light</i>
5:10 – 5:40	I. N. N. Namboothiri (IIT Bombay, India) <i>Synthesis and Applications of Morita-Baylis-Hillman and Rauhut-Currier Adducts of Conjugated Nitroalkenes</i>
5:40 – 6:10	Adrian Dobbs (University of Greenwich, UK) <i>Cationic and Electrochemical Routes to Heterocyclic Scaffolds</i>
6:10 – 6:30	Manmohan Kapur (IISER Bhopal, India) <i>Mechanistic Studies in the Heteroatom-Guided Palladium-Catalyzed C-H Functionalization of 4H-chromenes: Dual C-H Functionalization in the Synthesis of the Core Structure of Myristinin B.</i>
6:30 - 6:50	Jyotirmayee Dash (IACS, Kolkata, India) <i>Synthetic Aspects Relating to G-Quadruplex DNA</i>
7:30 PM	MIXER & DINNER

April 5, 2014 (Saturday)	
BASF Session	
SESSION 3 (9:00 AM-11:10 AM)	Chairperson: Dr. T. K. Chandrashekar (SERB, New Delhi)
9:00 - 9:30	Masayuki Inoue (The University of Tokyo, Japan) <i>Radical-Based Approach for Synthesis of Complex Natural Products</i>
9:30 - 10:00	Sandeep Verma (IIT Kanpur, India) <i>Designed Inhibitors of Insulin Amyloidogenesis</i>
10:00 - 10:30	Andreas Marx (University of Konstanz, Germany) <i>Diverse Chemical Biology of DNA Replication: Reading the Genome beyond Watson and Crick</i>
10:30 - 10:50	Sreenivas Katukojvala (IISER Bhopal, India) <i>A New Class of Enalcarbenoids: New Activations, New Reaction Development and Application to the Total Synthesis of Natural Products</i>
10:50 - 11:10	Mahesh Baburao Halle (IIT Bombay, India) <i>Total synthesis of 5,5-spiroacetal fused lactones: Cephalosporolide E, F and H</i>
11:10 AM	TEA/ COFFEE BREAK
ELI LILLY Session	
SESSION 4 (11:40 AM-1:30 PM)	Chairperson: Dr. Dr. h.c. Peter Goelitz (Angewandte Chemie, Germany)
11:40 - 12:10	Lutz Ackermann (Universität Göttingen, Germany) <i>Site-Selective C–H Functionalization by Metal Catalysis</i>
12:10 - 12:40	G. Sekar (IIT Madras, India) <i>Metal Nanoparticles Stabilized by Metal-Carbon Covalent Bond: An Efficient and Reusable Nanocatalyst</i>
12:40 - 1:10	Mathias Christmann (Freie Universität Berlin, Germany) <i>Syntheses of Ripostatin B and Englerin A by Catalytic Transformations of Renewable Raw Materials</i>
1:10 - 1:30	Santanu Mukherjee (IISc Bangalore, India) <i>Controlling Stereochemistry at the Quaternary Center: From Olefin Functionalization to Desymmetrization</i>
1:30 PM	LUNCH BREAK
3:00 PM	Sight Seeing (The Taj Mahal)
7:30 PM	BANQUET DINNER

April 6, 2014 (Sunday)	
ASTRAZENECA Session	
SESSION 5 (9:00 AM-10:40 AM)	Chairperson: Dr Sundeep Dugar (Sphaera Pharma)
9:00 – 9:30	E. D. Jemmis (IISc Bangalore, India) <i>Perspectives on the Structure, Bonding and Reactivity of Metallacyclocumulenes</i>
9:30 – 10:00	Masahiko Yamaguchi (Tohoku University, Sendai, Japan) <i>Non-equilibrium Thermodynamic Properties of Synthetic Helicene Oligomers</i>
10:00 – 10:20	Srinivasa Reddy (NCL, Pune, India) <i>Total Syntheses of Peribysin E and Related Molecules</i>
10:20 – 10:40	M. Jeganmohan (IISER Pune, India) <i>Ruthenium-Catalyzed Chelation-Assisted C-H Bond Functionalization of Aromatics, Alkenes and Heteroaromatics</i>
10:40 AM	TEA/COFEE BREAK
TRUSTEES Session	
SESSION 6 (11:10 AM-1:20 PM)	Chairperson: Dr. Sanjay Trehan (Panacea Biotec Ltd., Punjab)
11:10 – 11:40	K. P. Kaliappan (IIT Bombay, India) <i>Agonies and Ecstasies in Total Synthesis</i>
11:40 – 12:10	Miguel Yus (University of Alicante, Spain) <i>Discovering New Heterogeneous Catalysis Based on Supported and Nanostructured Transition Metals</i>
12:10 – 12:40	Vibha Tandon (University of Delhi, India) <i>An Odyssey of Cytoprotective Bisbenzimidazole as Therapeutic Agent for Human Well Being</i>
12:40 – 1:00	A. K. Sahoo (University of Hyderabad, India) <i>The Reusable Sulfoximine Directing Group Assisted C-H Bond Activation: The Formation of C-C and C-Heteroatom Bonds</i>
1:00 – 1:20	Seema Dhiman (IISER Mohali, India) <i>Previously Unexplored Chemistry of Heteroaryl Alcohols</i>
1:20 PM	LUNCH BREAK

SYNGENTA BIOSCIENCES Session	
SESSION 7 (3:00 PM – 4:20 PM)	Chairperson: Dr. Paidi Yella Reddy (AHC Aisin Cosmos R&D Co. Ltd., Hyderabad)
3:00 – 3:30	Albrecht Berkessel (Cologne University, Germany) <i>Carbene Catalysis Made Visible: Characterization of Intermediates by NMR and X-Ray Crystallography</i>
3:30 – 4:00	S. Chandrasekhar (IICT, Hyderabad, India) <i>Pruning of Macromolecules for Asymmetric Synthesis</i>
4:00 – 4:20	Dattatreya Dethe (IIT Kanpur, India) <i>Remarkable switch of regioselectivity in Diels-Alder reaction: Divergent total synthesis of borreverines, caulindoles and flinderoles</i>
4:20 PM	TEA/COFEE BREAK
SESSION 8 (4:50 PM – 6:40 PM)	Chairperson: Professor. F. A. Khan (IIT Hyderabad)
4:50 – 5:20	Santanu Bhattacharya (IISc Bangalore) <i>Synthetic Molecular Gels</i>
5:20 – 5:50	Saumen Hajra (IIT Kharagpur, India) <i>Chiral Diversity Oriented Synthesis of Guaianolides</i>
5:50 – 6:20	Jonathan Goodman (University of Cambridge, UK) <i>BINOL-Based Catalysis and Computationally-Enhanced Synthesis</i>
6:20 – 6:40	Ruchi Chawla (University of Allahabad, India) <i>Sulfone Synthesis Using Arenesulfinates in Aqueous Media</i>
7:30 PM	DINNER
April 7, 2014 (Monday)	
SESSION 9 (9:00 AM-10:50 AM)	Chairperson: Prof. S. Muthusamy (Bharathidasan University, Trichy, India)
9:00 – 9:30	Raymond C. F. Jones (Loughborough University, UK) <i>Isoxazole to Oxazole: a Mild and Unexpected Transformation</i>
9:30 – 10:00	Prasanta K. Das (IACS, Kolkata, India) <i>Synthetic Self-Assemblies & Carbon nanotube: A Complementary Blend En Route Innovation in Biomedicine</i>
10:00 – 10:30	Alison Hulme (University of Edinburgh, UK) <i>A New Strategy for Macrolactone Formation: The Total Synthesis of Disorazole C1</i>

10:30 – 10:50	M. Bakthadoss (Pondicherry University, India) <i>Highly Efficient Synthesis of Diversified Polyheterocycles via [4+2] Cycloaddition Reaction</i>
10:50 AM	TEA/ COFFEE BREAK
SESSION 10 (11:20AM-12:50PM)	Chairperson: Dr. Ishu Saraogi (IISER Bhopal)
11:20 – 11:50	S. Baskaran (IIT Madras, India) <i>Stereoselective Synthesis of Novel Iminosugar Based Hybrid Molecules</i>
11:50 – 12:20	John Clough (Jealott's Hill International Research Centre, Berkshire, UK) <i>Natural Products as Leads for the Discovery of Innovative Crop Protection Chemicals</i>
12:20 – 12:40	G. Satyanarayana (IIT Hyderabad, India) <i>Transition Metal Catalyzed Unprecedented Domino Transformations and the Synthesis of Novel Tetracyclic Alkaloid Systems via Domino One-pot Sequence</i>
12:40 – 12:50	Concluding Remarks
12:50 P.M	LUNCH followed by Departure