

# XIV NOST-Organic Chemistry Conference (NOST-OCC)

Venue: Cidade de Goa, Goa

(December 05 – 08, 2010)

December 05, 2010 (Sunday)

2:30 – 3:00 PM	HIGH TEA/ POSTER
3:05 – 3:15 PM	Introductory Remarks (G. Mehta/G.S.R. Subba Rao/Vinod Singh)
<b>PANACEA BIOTEC Session</b>	
<b>SESSION 1</b> (3:15 – 5:15 PM)	<b>Chairperson: Dr. K. Nagarajan</b> (Hikal Ltd., Bangalore)
3:15 – 3:45	Ganesh Pandey (NCL Pune) <i>Developing New Strategies towards the Synthesis of Structurally Complex Biologically Active Alkaloids</i>
3:45 – 4:15	Sukbok Chang (Daejeon, S. Korea) <i>Catalytic C-H Functionalization of Heterocycles for the C-C and C-N Bond Formation</i>
4:15 – 4:45	Stéphane Quideau (Pessac Cedex, France) <i>Hypervalent Iodine-Mediated Phenol Dearomatization Processes and Applications in Natural Products Synthesis</i>
4:45 – 5:15	Christoph Schneider (Leipzig, Germany) <i>The Brønsted-Acid-Catalyzed, Enantioselective Vinylogous Mannich Reaction</i>
5:15 – 5:40	TEA/ COFFEE BREAK
<b>JUBILANT ORGANOSYS Session</b>	
<b>SESSION 2</b> (5:40 – 7:10 PM)	<b>Chairperson: Professor R.P. Gandhi</b> (UGC, New Delhi)
5:40 – 6:10	Michael Famulok (Bonn, Germany) <i>Nucleic Acid Based Tools for Pharmacology and Nano-engineering</i>
6:10 – 6:40	Sandeep Verma (IIT Kanpur) <i>Biotin Superstructures: Ion Beam Machining and Interaction with Human Erythrocytes</i>
6:40 – 7:10	Sabine Flitsch (Manchester, UK) <i>Biocatalysis on Solid Surfaces</i>
7:30 PM	MIXER & DINNER

**December 06, 2010 (Monday)**

**BASF Session**

<b>SESSION 3</b> (9:00 – 11:00 AM)	<b>Chairperson: Professor S. Chandrasekaran</b> (IISc Bangalore)
9:00 – 9:30	D. Basavaiah (University of Hyderabad) <i>Towards Development of Facile Strategies for Synthesis of Carbocyclic / Heterocyclic Frameworks using the Baylis-Hillman Adducts</i>
9:30 - 10:00	Mukund Sibi (Fargo, USA) <i>Cooperative Catalysis: A Novel Method for Enantioselective Transformations with Complex Substrates</i>
10:00 – 10:30	Viresh H. Rawal (Chicago, USA) <i>Design and Development of New Scaffolds for Hydrogen Bonding Catalysts</i>
10:30 – 11:00	K. Ishihara (Nagoya, Japan) <i>Hypervalent Iodine-catalyzed Enantioselective Oxidative Cyclizations</i>
11:00 – 11:25	TEA/ COFFEE BREAK
<b>ELI LILLY Session</b>	
<b>SESSION 4</b> (11:30 – 1:20 PM)	<b>Chairperson: Professor Ray Jones</b> (Loughborough University)
11:30 – 12:00	Jim Thomas (Manchester, UK) <i>Approaches to the Total Synthesis of Biologically Active Natural Products</i>
12:00 – 12:30	I.N.N. Namboothiri (IIT Bombay) <i>Organocatalyzed Coupling Reactions of Conjugated Nitroalkenes and Nitrodienes</i>
12:30 – 01:00	J. Stephen Clark (Glasgow, UK) <i>Total Synthesis of Bioactive Marine Diterpenes of the Cladiellin (Eunicellin) Family</i>
01:00 – 1:30	Andrew Plant (Syngenta, Switzerland) <i>Innovation in Crop Protection Chemistry</i>
1:30-2:30 PM	LUNCH/ POSTER

**December 06, 2010 (Monday)**

<b>SESSION 5</b> (4:00 – 5:50 PM)	<b>Chairperson: Dr J.S. Yadav</b> (IICT Hyderabad)
4:00 – 4:30	James Audia (Eli Lilly, USA) <i>Towards Higher Quality Orally Bioavailable Leads and Drug Candidates</i>
4:30 – 5:00	Ashwini Nangia (University of Hyderabad) <i>Cocrystal Approach to Modify Physicochemical Properties of Drugs</i>
5:00 – 5:30	Colin Suckling (Glasgow, Scotland) <i>From Multiply Active Natural Product to Candidate Drug? Antibacterial Minor Groove Binders for DNA.</i>
5:30 – 5:50	Rolf Gueller (Chemspeed Tech, Switzerland) <i>Smole©: A Revolutionary Approach to Organic Chemistry</i>
7:30 PM	BANQUET DINNER

**December 07, 2010 (Tuesday)**

<b>SESSION 6</b> (9:00 – 11:00 AM)	<b>Chairperson: Dr. Tushar K. Chakraborty</b> (CDRI, Lucknow)
9:00 – 9:30	Brindaban C. Ranu (IACS, Kolkata) <i>Design and Development of Green and Sustainable Metal Catalyst</i>
9:30 – 10:00	H. Sakurai (Okazaki, Japan) <i>Synthetic Strategy to Construct C<sub>3</sub>-symmetric Chiral Buckybowls, Bowl-shaped Aromatic Compounds</i>
10:00 – 10:30	K.V. Radhakrishnan (NIIST, Thiruvananthapuram) <i>Palladium Catalyzed Skeletal Rearrangement of Heterobicyclic Olefins: A Facile Method towards Pharmaceutically Important Heterocycles and Cyclopentanoids</i>
10:30 – 11:00	Darren J. Dixon (Oxford, UK) <i>Catalysis and Cascades in Complex Alkaloid Natural Product Synthesis</i>
11:00 – 11:25	TEA/ COFFEE BREAK

<b>SESSION 7</b> (11:30 – 1:30 PM)	<b>Chairperson: Professor M. Periasamy</b> (Univ. of Hyderabad)
11:30 – 12:00	Paolo Melchiorre (Tarragona, Spain) <i>Unconventional Reactivity Profiles Induced By Chiral Primary Amine Catalysis</i>
12:00 – 12:30	Pauline Chiu (Hong Kong) <i>[4+3] Cycloaddition Using Epoxy Enol Silanes and Application Toward the Synthesis of Cortistatin J</i>
12:30 – 01:00	Kavirayani R. Prasad (IISc Bangalore) <i>Total Synthesis of Palmerolide A and towards the Total Synthesis of Palmerolide C</i>
01:00 – 01:30	Armando Cordova (Stockholm, Sweden) <i>A Biomimetic Approach for Selective Chemistry</i>
1:30 PM	LUNCH
2:30 – 8:00 PM	SIGHT SEEING including BOAT RIDE (courtesy: NOST)
8:00 -10:00 PM	DINNER

**December 08, 2010 (Wednesday)**

<b>Session 8</b> (8:30 – 10:10 AM)	<b>Chairperson: Professor Subrata Ghosh (IACS Kolkata)</b>
8:30 – 8:50	M.L.N. Rao (IIT Kanpur) <i>New Generation Organometallic Reagents and Coupling Reactions: Triarylbismuths as Atom-economic Multi-coupling Organometallic GREEN Reagents in Organic Synthesis</i>
08:50 – 09:10	G. Sekar (IIT Madras) <i>Nature Inspired Chiral Catalysts for the Synthesis of Enantiopure Alcohols</i>
09:10 – 09:30	Akhilesh K. Verma (Delhi University) <i>Regioselective Tandem Synthesis of Polyheterocycles by the Copper-Catalyzed Preferential addition of N-Heterocycles on ortho-haloalkynes followed by Intramolecular Arylation</i>
09:30 – 09:50	Santosh J. Gharpure (IIT Madras) <i>Vinylogous Functional Groups in Organic Synthesis</i>
09:50 – 10:10	S. Singh Chimni (G.N.D. University) <i>Exploring Enantioselective Organocatalysis for Construction of Carbon-Carbon Bond</i>
10:10 – 10.25	TEA/ COFFEE BREAK

<b>Session 9</b> (10:30 – 11:45)	<b>Chairman: Professor Faiz A. Khan (IIT Hyderabad)</b>
10:30 – 10:50	Manas K. Ghorai (IIT Kanpur) <i>Lewis acid-mediated S<sub>N</sub>2-type ring-opening of aziridines and azetidines: synthetic and mechanistic perspectives</i>
10:50 – 11:10	Diwan S. Rawat (Delhi University) <i>Tetraoxanes and Tetraoxane-Based Hybrids as Potential Antimalarial Agents</i>
11:10 – 11:30	T. Punniyamurthy (IIT Guwahati) <i>Recent Advances in Cross-Coupling Reactions</i>
11:30 – 11:45	Concluding Remarks
12:00 Noon	LUNCH followed by departure.