

# XVII JNOST Conference for Research Scholars

Venue: *The Le Meridien Hotel, Hyderabad*  
(January 06 – 09, 2022)

## Day – 1 (6<sup>th</sup> Jan 2022, Thursday)

12:00 – 2:15 PM	<b>REGISTRATION</b>
2:15 – 3:00 PM	<p><b>Opening Remarks by Convener</b> <i>Prof. A. K. Sahoo (UoH)</i></p> <p><b>Welcome Address by Dean, SoC, UoH</b> <i>Prof. Ashwini Nangia (UoH)</i></p> <p><b>Inaugural Speech by the Vice-Chancellor, UoH</b> <i>Prof. Basuthkar J. Rao (VC, UoH)</i></p> <p><b>Keynote Address by NOST Co-Chairperson</b> <i>Prof. Sandeep Verma (IIT Kanpur)</i></p> <p><b>Introduction of NOST by Chairman</b> <i>Prof. Ganesh P. Pandey (BHU)</i></p>
<b>ACS SESSION</b>	
<b>Total Synthesis of Natural Products – I</b>	
<b>SESSION-1</b> (3:00 – 4:00 PM)	<b>Chairperson: Prof. K. C. Kumara Swamy (UoH)</b>
3:00 – 3:15 PM	<b>IP-01: Sopan Pralhad Khandare (IISc-Bangalore)</b> <i>Nucleophilic addition of Lithium Anion of acetyl methylene phosphorane to non-racemic sulfinimines: Application to the Total Synthesis of Natural Products</i>
3:15 – 3:30 PM	<b>IP-02: Utkal Mani Choudhury (IICT, Hyderabad)</b> <i>First Total Synthesis of the 2E-Isomer of Macrolactin 3</i>
3:30 – 3:40 PM	<b>FP-01: Raj Kumar Patel (IIT-Mumbai)</b> <i>Lewis Acid Mediated 5/6/7-endo-dig Reductive Hydroalkoxylation of Enynyl Alcohols for the Synthesis of Tetrahydrofurans, Tetrahydropyrans, 1,4-Oxazepanes</i>
3:40 – 3:50 PM	<b>FP-02: Priyanka Ghosh (NISER-Bhubaneswar)</b> <i>A simple and effective route for Favipiravir synthesis</i>
3:50 – 4:00 PM	<b>FP-03: Sunnapu Ranganayakulu (IISER-Thiruvananthapuram)</b> <i>Development of Proline Based Chiral Auxiliary for Asymmetric Acetate Aldol Reactions: Total Synthesis of 3'-methoxyl Citreochlorols and Their Structural Revisions</i>

<b>INKARP SESSION</b>	
Total Synthesis of Natural Products – II	
<b>SESSION 2</b> (4:00 – 4:50 PM)	<b>Chairperson: Prof. P. Ramu Sridhar (UoH)</b>
4:00 – 4:15 PM	<b>IP-03: Sabnam Begum (IISc-Bangalore)</b> <i>Cp<sub>2</sub>TiCl-mediated Reductive Cyclization: Total Synthesis of Natural Products</i>
4:15 – 4:30 PM	<b>IP-04: Anil Chauhan (CDRI-Lucknow)</b> <i>Hydrogen-Bond-Guided Desymmetrization of Cyclohexadienone-aldehydes with Amines: Rapid Synthesis of Alkaloid-like Tetracyclic Frameworks</i>
4:30 – 4:40 PM	<b>FP-04: Gavit Vipin Rajendra (IISER-Bhopal)</b> <i>Concise Total synthesis of Indolosesquiterpene Alkaloids, Xiamycin A and Xiamycin A Methyl Ester</i>
4:40 – 4:50 PM	<b>FP-05: Moinul Haque Sahana (IACS-Kolkata)</b> <i>Total Synthesis of Biselyngbyolides A &amp; C</i>
4:50 – 5:00 PM	<b>Interaction of Carbanio</b>
5:00 – 5:15 PM	<b>Tea / Coffee Break</b>
<b>CARBANIO SESSION</b>	
Carbohydrates	
<b>SESSION 3</b> (5:15 – 6:00 PM)	<b>Chairperson: Dr. P. Srihari (CSIR-IICT)</b>
5:15 – 5:30 PM	<b>IP-05: Balasaheb K. Ghotekar (IIT-Bombay)</b> <i>Total Synthesis of the Lipid Anchor Attached Core Trisaccharides of Lipoteichoic Acids of Streptococcus pneumoniae and Streptococcus oralis Uo5</i>
5:30 – 5:40 PM	<b>FP-06: Bandi Anjaneyulu (UoH)</b> <i>Regioselective Anomeric O-benzyl deprotection in Carbohydrates</i>
5:40 – 5:50 PM	<b>FP-07: Ajaz Ahmed (IIIM-Jammu)</b> <i>Development of N-glycosylation methods as tool for the synthesis of molnupiravir and disaccharide mimetics</i>
5:50 – 6:00 PM	<b>FP-08: Suwendu Halder (IIT-Guwahati)</b> <i>Glycosyl Ortho-[1-(p-MeOPhenyl)Vinyl]Benzoates (PMPVB) as Universal Donors for Oligosaccharide synthesis</i>

<b>ADAMA SESSION</b> Metal Catalysis – I	
<b>SESSION 4</b> (6:00 – 7:00 PM)	<b>Chairperson: Prof. G. Sekar (IIT-Madras)</b>
6:00 – 6:15 PM	<b>IP-06: Avijit Mondal (IIT-Guwahati)</b> <i>Manganese Catalyzed Switchable C-Alkylation/Alkenylation of Fluorenes and Indene with Alcohols</i>
6:15 – 6:30 PM	<b>IP-07: Kuhali Das (IISER-Kolkata)</b> <i>Homogeneous Manganese Catalyzed Hydrogen Transfer Reactions</i>
6:30 – 6:45 PM	<b>IP-08: Hillol Khatua (CBM-Lucknow)</b> <i>Dual Reactivity of 1,2,3,4-Tetrazole: Manganese-Catalyzed Click Reaction and Denitrogenative Annulation</i>
6:45 – 7:00 PM	<b>IP-09: Priyanka Chakraborty (IIT-Kanpur)</b> <i>High-Valent Cobalt Catalyzed Hydrogen Borrowing Reactions and its Mechanistic Investigations</i>
7:00 – 7:10 PM	<b>FP-09: Ganesan Sivakumar (IISER-Tirupati)</b> <i>Mn-Catalysed Tandem Double Dehydrogenative Cross-Coupling of (Amino)Alcohols: Scope and Mechanistic Insights</i>
7:10 – 7:20 PM	<b>FP-10: Upendra Kumar (BHU)</b> <i>Copper-catalyzed chemoselective oxidative o-arylation of 2-acetylphenols, alkyl salicylates and 1,3-dicarbonyl compounds using styrene derivatives</i>
7:20 – 7:30 PM	<b>FP-11: Amar Jyoti Bhuyan (RGU)</b> <i>Synthesis of phenoxypyrimidines from chloropyrimidines and arylboronic acids: A cascade avenue, an unconventional substrate pairs</i>
7:30 – 7:45 PM	<b>Tea / Coffee Break</b>
<b>NOST TRUSTEE SESSION</b> Chairperson: Prof. Akhilesh K. Verma (DU)	
7:45 – 8:15 PM	<b>PL-01: Prof. Stephen A. Matlin</b> (Institute of Global Health Innovation Imperial College, London) <i>Chemistry for the sustainability of people and planet: Why chemists need systems thinking</i>
8:15 PM onwards	<b>Dinner</b>

<b>Day – 2 (7<sup>th</sup> Jan 2022, Friday)</b>	
7:30 – 8:30 AM	<b>Breakfast</b>
<b>CHEMVEDA SESSION</b> C–H Activation – I	
<b>SESSION 5</b> (8:30 – 9:35 AM)	<b>Chairperson: Dr. Sushmita (DU)</b>
8:30 – 8:45 AM	<b>IP-10: Deepan Chowdhury (IIT-Madras)</b> <i>Free-Amine Directed Ruthenium(II) Catalyzed C–H Bond Activation/Annulation Cascades for Natural Product Scaffolds</i>
8:45 – 9:00 AM	<b>IP-11: Subhendu Ghosh (IIT-Guwahati)</b> <i>Harnessing Regioselective C-H Functionalization and Oxidative Annulation of Maleimides by 3d-Metal Catalyst</i>
9:00 – 9:15 AM	<b>IP-12: Dasari Srinivas (IIT-Hyderabad)</b> <i>Palladium-Catalyzed Distal m-C-H Functionalization of Arylacetic Acid Derivatives</i>
9:15 – 9:25 AM	<b>FP-12: Nagabhushana C. B. (IIT-Kanpur)</b> <i>Ruthenium-Catalyzed Formal <math>sp^3</math> C–H Activation of Allylsilanes/esters with Olefins: Efficient Access to Functionalized 1,3-Dienes</i>
9:25 – 9:35 AM	<b>FP-13: Shremoyee Kumar (IIT-Bombay)</b> <i>Ru(II)-Catalyzed C-H Functionalization of N-Hydroxyoximes with 1,3-Diynes Unveils a Regioselective Disparity</i>
<b>SAI LIFESCIENCES SESSION</b> C–H Activation – II	
<b>SESSION 6</b> (9:35 – 10:30 AM)	<b>Chairperson: Mou Mandal (UoH)</b>
9:35 – 9:50 AM	<b>IP-13: Yogesh N. Aher (IIT-Mandi)</b> <i><math>Cp^*Co(III)</math>-Catalyzed C–H Amination/Annulation Cascade of Sulfoxonium Ylides with Anthranils for the Synthesis of Indoloindolones</i>
9:50 – 10:05 AM	<b>IP-14: Mohit Kumar (CDRI-Lucknow)</b> <i>Cu(II)-Catalyzed C–N bond formation via Cross-Dehydrogenative Coupling</i>
10:05 – 10:20 AM	<b>IP-15: Neha Jha (IISER-Bhopal)</b> <i>Ir(III)-Catalyzed C(3)-H Alkylation of Isoquinolines via Metal Carbene Migratory Insertion</i>

10:20 – 10:30 AM	<b>FP-14: Anil Kumar</b> (IISc-Bangalore) <i>Rhodium(III)-catalyzed [5+1] annulation of 2-alkenylphenols with maleimides: access to highly functionalized spirocyclic skeletons</i>
10:30 – 10:40 AM	<b>Interaction of Chemscene</b>
10:40 – 11:00 AM	<b>Tea / Coffee Break</b>
<b>CHEMSCENE SESSION</b> Methodology – I	
<b>SESSION 7</b> (11:00 AM – 11:55 AM)	<b>Chairperson: Prof. T. Punniyamurthy</b> (IIT-Guwahati)
11:00 – 11:15 AM	<b>IP-16: Arram Haritha Kumari</b> (OU) <i>Solvent-Driven Mono- and Bis-Sulfenylation of (E)-<math>\beta</math>-Iodovinyl Sulfones with Thiols for Flexible Synthesis of 1,2-Thiosulfonylalkenes and 1,2-Dithioalkenes</i>
11:15 – 11:30 AM	<b>IP-17: Irshad Maajid Taily</b> (IIT-Ropar) <i>Transition Metal Free Aza-Oxyallyl Cation Driven 3-Amido Oxetane Rearrangement to 2-Oxazolines: Access to Oxazoline Amide Ethers</i>
11:30 – 11:45 AM	<b>IP-18: Mrinmay Baidya</b> (IISER-Kolkata) <i>Chemoselective Electrooxidation of Enamines to Access Unsymmetrically Substituted NH-Pyrroles</i>
11:45 – 11:55 AM	<b>FP-15: Amjad Ali</b> (IIT-Delhi) <i>Diastereoselective 1,6-addition of <math>\alpha</math>-phosphonyloxy enolates to para-quinone methides</i>
<b>SCIENCE DIRECT SESSION</b> Methodology – II	
<b>SESSION 8</b> (11:55 AM – 01:00 PM)	<b>Chairperson: Dr. Abhinav Kumar</b> (Science Direct)
11:55 AM – 12:10 PM	<b>IP-19: Arup Jyoti Das</b> (TU) <i>Hexafluoroisopropanol-Mediated Ring-Opening Cyclization of Indolyl-N-Tethered Epoxides: Tether Length Controlled Synthesis of 1,7- and 1,2-fused indoles</i>
12:10 – 12:25 PM	<b>IP-20: Nilanjana Mukherjee</b> (BITS-Pilani) <i>Iodine-catalyzed Thiolative Annulation of 2-Alkynyl Biaryls in Water to Access 9-Sulfonylphenanthrenes and Polycyclic Heteroaromatics</i>

12:25 – 12:40 PM	<b>IP-21: Silver Raju</b> (IICT-Hyderabad) <i>Aromaticity Driven Access to Cycloalkyl Fused Naphthalenes</i>
12:40 – 12:50 PM	<b>FP-16: Gayyur</b> (CDRI-Lucknow) <i>Synergetic Copper/Zinc Catalysis: Synthesis of Aryl/Heteroaryl-Fused 1H-Pyrrolo[3,2-c]</i>
12:50 – 1:00 PM	<b>FP-17: Saima Naz</b> (GGSIU) <i>Synthesis of 3-(4-Chloro-phenyl)-2phenyl-3,4-dihydro-2H-benzo[e][1,3,2]-oxazaphosphinine and their chalcogenides</i>
1:00 – 1:10 PM	<b>Interaction of RSC</b>
1:10 – 2:15 PM	<b>Lunch</b>
<b>ADITYA SESSION</b> Asymmetric Synthesis – I	
<b>SESSION 9</b> (2:15 – 3:10 PM)	<b>Chairperson: Prof. D. K. Mohapatra</b> (IICT-Hyderabad)
2:15 – 2:30 PM	<b>IP-22: Banni Preet Kaur</b> (GNDU) <i>Asymmetric Organocatalytic Synthesis of chiral bis-Heterocyclic scaffolds</i>
2:30 – 2:45 PM	<b>IP-23: Sankash Mitra</b> (IISc-Bangalore) <i>Iridium Catalyzed Asymmetric Allylic Alkylation of Deconjugated Butyrolactams</i>
2:45 – 3:00 PM	<b>IP-24: Annapurna Awasthi</b> (CBMR-Lucknow) <i>Diastereoselective Synthesis of Aza-spirocyclic Pyrazolones via <math>\alpha</math>-Amino Acids Mediated C–C Double Bonds Cleavage</i>
3:00 – 3:10 PM	<b>FP-18: Ujjwal Maji</b> (IACS-Kolkata) <i>Enantioselective Dearomatization of <math>\beta</math>-Naphthols through an Amination Reaction via Non-covalent N-Heterocyclic Carbene Catalysis</i>
<b>SAI LIFE SCIENCES SESSION</b> Asymmetric Synthesis – II	
<b>SESSION 10</b> 3:10 – 4:00 PM	<b>Chairperson: Dr. Kalyaneswar Mandal</b> (TIFR-Hyderabad)
3:10 – 3:25 PM	<b>IP-25: Soniya Rani</b> (NCL-Pune) <i>Phosphite Mediated Asymmetric N to C Migration for Synthesis of Chiral Heterocycles from Primary Amines</i>

3:25 – 3:40 PM	<b>IP-26: Vysakh V. Nair</b> (IIT-Madras) <i>Enantioselective <math>C_{(sp^3)}</math>-Pd capture using tosyl hydrazones: Access to 3,3'-disubstituted oxindoles</i>
3:40 – 3:50 PM	<b>FP-19: Kiran Kumari</b> (CUR) <i>A Sulphonamide-tagged proline as an activated catalytic model for asymmetric transformations in aqueous media</i>
3:50 – 4:00 PM	<b>FP-20: Sadhna Shah</b> (IIT-Kanpur) <i>Cu-Catalyzed Chemodivergent, Stereoselective Propargylic Dearomatization and Etherification of 2-Naphthols</i>
<b>ACD LABS SESSION</b> Chemical Biology	
<b>SESSION 11</b> 4:00 – 4:35 PM	<b>Chairperson: Prof. R. Balamurugan</b> (UoH)
4:00 – 4:15 PM	<b>IP-27: Abhisek Kar</b> (TIFR-Hyderabad) <i>Efficient Chemical Protein Synthesis using Fmoc as mask for N-Terminal Cysteine in Peptide Thioester Segments</i>
4:15 – 4:25 PM	<b>FP-21: Bharti Koshti</b> (IU) <i>Single Amino Acid Self-Assemblies and its Implications</i>
4:25 – 4:35 PM	<b>FP-22: Suhail Ahmad Rather</b> (IIIM-Jammu) <i>Strategic S-P Bond Forming Bio-orthogonal Functionalization Technique: A Systematic Analysis, Standardization and Site-Specific Coupling Strategy for Carrier Drugs Conjugates</i>
4:35 – 4:45 PM	<b>Interaction of ACD LABS</b>
4:45 – 5:00 PM	<b>Tea / Coffee Break</b>
<b>ACS SESSION</b> Metal Catalysis – II	
<b>SESSION 12</b> (5:00 – 6:05 PM)	<b>Chairperson: Dr. Anukul Jana</b> (TIFR-Hyderabad)
5:00 – 5:15 PM	<b>IP-28: Mou Mandal</b> (UoH) <i>Dodging the Conventional Reactivity of o-Alkynylanilines for the Synthesis of Benzo[b]azepine</i>
5:15 – 5:30 PM	<b>IP-29: Amreen Kaur Bains</b> (IISER-Mohali) <i>Redox-active ligand catalyzed borrowing-hydrogen reactions via hydrogen atom transfer</i>
5:30 – 5:45 PM	<b>IP-30: Nirmala Mohanta</b> (IISER-Pune) <i>Synthesis of Quaternary Methylalylolation scaffolds from C3-hydroxyoxindoles and C3-peroxyoxindoles Using tertiary butylacetate</i>

5:45 – 5:55 PM	<b>FP-23: Manash Protim Gogoi (UoH)</b> <i>Yb(III) Catalysed syn-Thioallylation of Ynamides</i>
5:55 – 6:05 PM	<b>FP-24: Gargi Nikhil Vaidya (NIPER-Ahmedabad)</b> <i>Direct Amination of Allylic Alcohols via Borrowing Carbonate Principle under Nickel-Catalysis</i>
<b>SUN PHARMA SESSION</b> Metal Catalysis – III	
<b>SESSION 13</b> (6:05 – 7:10 PM)	<b>Chairperson: Prof. M. J. Swamy (UoH)</b>
6:05 – 6:20 PM	<b>IP-31: Harshavardhan Dattarao Bhuktar (DRILS-Hyderabad)</b> <i>Fe(III)-catalyzed regioselective synthesis of isocoumarin based new PDE4 inhibitors as potential anti-arthritic agents</i>
6:20 – 6:35 PM	<b>IP-32: Atanu Bera (IIT-Roorkee)</b> <i>Nickel-catalyzed de-hydrogenative coupling to access substituted benzimidazoles and quinoxalines</i>
6:35 – 6:50 PM	<b>IP-33: Munakala Anandarao (ICT-Hyderabad)</b> <i>Silver(I)-Catalyzed Enyne Cyclization of Alkyne-Tethered Cyclohexadienones</i>
6:50 – 7:00 PM	<b>FP-25: Ritu Raj Lakshkar (CUR)</b> <i>Bis(imino)pyridine Supported Zinc(II) Catalyzed Intermolecular Amidation of Benzylic C-H Bonds</i>
7:00 – 7:10 PM	<b>FP-26: Vipin K. Pandey (IIT-Madras)</b> <i>Ag(I)-Catalyzed Hydroboration of Unsaturated Functionalities</i>
7:10 – 7:20 PM	<b>Interaction of Science Direct</b>
7:20 – 7:45 PM	<b>Tea/Coffee break</b>
<b>NOST COUNCIL SESSION</b> <b>Chairperson: Prof. G. Pandey (BHU)</b>	
7:45 – 8:15 PM	<b>PL-02: Prof. Sandeep Verma (IIT-Kanpur)</b> <i>Artificial Intelligence and Machine Learning for drug discovery</i>
8:15 PM onwards	<b>Dinner</b>



<b>Day – 3 (8<sup>th</sup> Jan 2022, Saturday)</b>	
7:30 – 8:30 AM	<b>Breakfast</b>
<b>RSC SESSION</b> <b>Palladium Catalysed Reactions – I</b>	
<b>SESSION 14</b> (8:30 – 9:20 AM)	<b>Chairperson: Dr. Srinivasarao Yaragorla (UoH)</b>
8:30 – 8:45 AM	<b>IP-34: Pradip Das (NIT-Patna)</b> <i>Sustainable Leaving Groups for <math>\beta</math>-Selective Ferrier Rearrangement via Pd(0) Catalyzed Tsuji-Trost Reaction</i>
8:45 – 9:00 AM	<b>IP-35: Prashant Kumar (IISER-Mohali)</b> <i>Pd-Catalyzed Formal [3+3] Heteroannulation of Allylic gem-Diacetates: Synthesis of Chromene-Based Natural Products and Photophysical Studies Thereof</i>
9:00 – 9:10 AM	<b>FP-27: Santosh K. Sahoo (BU)</b> <i>Developing air stable, recyclable and ligand free novel oxygen bridged bimetallic catalyst [M<sub>1</sub>-O-M<sub>2</sub>] for organic reactions</i>
9:10 – 9:20 AM	<b>FP-28: Khadimul Islam (IIT-Guwahati)</b> <i>Multi-fold Sonogashira Coupling: a new convenient approach to obtain tetraalkynylatedanthracene with tunable photophysical properties</i>
<b>ADAMA SESSION</b> <b>Palladium Catalysed Reactions – II</b>	
<b>SESSION 15</b> (9:20 – 10:20 AM)	<b>Chairperson: Dr. Raju J. Reddy (OU)</b>
9:20 – 9:35 AM	<b>IP-36: Shubham Dutta (UoH)</b> <i>Cationic-Palladium Catalyzed Regio- and Stereoselective Dicarbofunctionalization of Unsymmetrical Alkynes</i>
9:35 – 9:50 AM	<b>IP-37: Bedadyuti V. Pati (NISER-Bhubaneswar)</b> <i>Rhodium and palladium catalysed C-C activation of cyclopropanol for the synthesis of diverse 1,6-diketones and 1,3-enynes</i>
9:50 – 10:00 AM	<b>FP-29: Kolimi S. Basha (UoH)</b> <i>Triflic Acid-Promoted Palladium-Catalyzed Regioselective Hydroarylation of Propiolic Acid with Aryl Boronic Acids: An Expedient Access to <math>\alpha</math>-Aryl Acrylic Acids</i>

10:00 – 10:10 AM	<b>FP-30: Shubhajit Basak</b> (IIT-Guwahati) <i>Palladium-Catalyzed Cross-Dehydrogenative Coupling for C4- Selective Arylation of Indoles Utilizing Weak Coordination</i>
10:10 – 10:20 AM	<b>FP-31: Tamilarasu Murugesan</b> (IISER-Thiruvananthapuram) <i>Palladium-Catalyzed Direct C2-Biarylation of Indoles</i>
10:20 – 10:45 AM	<b>TEA / COFFEE BREAK</b>
<b>IICT SESSION</b> Carbenes & Organocatalysis – I	
<b>SESSION 16</b> (10:45 AM – 11:55 AM)	<b>Chairperson: Prof. Ashwini Nangia</b> (UoH)
10:45 – 11:00 AM	<b>IP-38: Avijit Maiti</b> (TIFR-Hyderabad) <i>Utilizing cyclic(alkyl)(amino)carbene (CAAC) as an Organic Reductant for the Synthesis of Kekulé Diradicaloids</i>
11:00 – 11:15 AM	<b>IP-39: Kuruva Balanna</b> (IISc-Bangalore) <i>N-Heterocyclic Carbene-Catalyzed Formal [6+2] Annulation Reaction via Cross-Conjugated Aza-Trienolate Intermediates</i>
11:15 – 11:25 AM	<b>FP-32: Gorachand Badaraita</b> (UoH) <i>An organocatalytic Azide-Carbonyl [3+2] cycloaddition; high-yielding chemoselective synthesis of 1,4,5 trisubstituted 1,2,3-triazole</i>
11:25 – 11:35 AM	<b>FP-33: Pradeep Natarajan</b> (NISER-Bhubaneswar) <i>Synthesis of C<sub>2</sub>-Symmetrical Pyrrolidone via Oxidative Tandem Reaction of Malonamide</i>
11:35 – 11:45 AM	<b>FP-34: Akram Hussain</b> (UoH) <i>Synthesis of Chiral Dihydropyrans and Dihydrofurans through Organocatalytic Reductive Coupling</i>
11:45 – 11:55 AM	<b>FP-35: Jeetendra Panda</b> (NIT-Rourkela) <i>Umpolung of Cationic Bromine; Organocatalyzed Halogenation of Olefins</i>
<b>THIEME SESSION</b> Carbenes & Organocatalysis – II	
<b>SESSION 17</b> (11:55 AM – 12:50 PM)	<b>Chairperson: Dr. Ch. Raji Reddy</b> (IICT-Hyderabad)
11:55 AM – 12:10 PM	<b>IP-40: Pritam Roy</b> (UoH) <i>One-Pot Knoevenagel and [4 + 2] Cycloaddition as a Platform for Calliviminones</i>

12:10 – 12:20 PM	<b>FP-36: Manoj Kumar Saini (BHU)</b> <i>Pyridinium triflate catalyzed intramolecular alkyne-carbonyl metathesis</i>
12:20 – 12:30 PM	<b>FP-37: Sanjay Yadav (IICT-Hyderabad)</b> <i>N-Heterocyclic Carbene (NHC)-Catalyzed Umpolung Transformations to Access Benzo-fused Heterocycles and Amides</i>
12:30 – 12:40 PM	<b>FP-38: Qumruddeen (CDRI-Lucknow)</b> <i>Lewis Base/Brønsted Acid Co-Catalysis for Thiocyanation of Amides and Thioamides</i>
12:40 – 12:50 PM	<b>FP-39: Tazeen Azaz (CBMR-Lucknow)</b> <i>Carbene Catalyzed Redox Alkenylation of Isatins using <math>\beta</math>-Substituted Organoselenones and Aldehydes</i>
12:50 – 02:00 PM	<b>LUNCH</b>
<b>RSC SESSION</b> <b>C–H Activation – III</b>	
<b>SESSION 18</b> (2:00 – 3:45 PM)	<b>Chairperson: Dr Aparna Ganguly (RSC)</b>
2:00 – 2:15 PM	<b>IP-41: Jogendra Kumar (CSMCRI-Bhavnagar)</b> <i>Catalytic Direct Functionalization of C(sp<sup>3</sup>)-H Bonds Adjacent to Benzazoles</i>
2:15 – 2:30 PM	<b>IP-42: Pinki Sihag (IIT-Madras)</b> <i>Direct allylic amination of internal as well as terminal alkenes via C-H activation</i>
2:30 – 2:45 PM	<b>IP-43: Shidheshwar Baliram Ankade (NCL-Pune)</b> <i>A Facile Access to Indolones by Ni(II)-Catalyzed Intramolecular C–H/C–H Oxidative Coupling</i>
2:45 – 3:00 PM	<b>IP-44: Vikki N. Shinde (BITS-Pilani)</b> <i>Palladium-Catalysed C-H Bond Functionalization of 3-Arylcoumarins: Synthesis of Coumestan Derivatives</i>
3:00 – 3:15 PM	<b>IP-45: Writhabrata Sarkar (IICB-Kolkata)</b> <i>Synthesis of Functionalized Heterocycles via Copper and Rhodium-Catalyzed C-H Activation</i>
3:15 – 3:30 PM	<b>IP-46: Sudip Laru (VBU)</b> <i>One-Pot Construction of Indolo[2,3-b]quinoxalines through Ruthenium-Catalyzed Ortho C–H Bond Functionalization of 2-Arylquinoxalines with Sulfonyl Azide</i>
3:30 – 3:45 PM	<b>IP-47: Vetrivelan Murugesan (IISER-Thiruvananthapuram)</b> <i>C–H Alkylation of Aldehydes by Merging TBADT Hydrogen Atom Transfer with Nickel Catalysis</i>

<b>AETHER SESSION</b> Methodology - III	
<b>SESSION 19</b> (3:45 – 5:00 PM)	<b>Chairperson: Dr. Subhash Ghosh</b> (IICT-Hyderabad)
3:45 – 4:00 PM	<b>IP-48: Tabassum Khan</b> (UoH) <i>Thermal-Ring-Rearrangement of benzochromenes to inden-3-yl-ols with p-TsOH</i>
4:00 – 4:15 PM	<b>IP-49: Dr. Sushmita</b> (DU) <i>Radical Promoted Synthesis of Furoquinolines via Anomalous Dakin-type Reaction</i>
4:15 – 4:30 PM	<b>IP-50: Subhamoy Biswas</b> (IIT-Guwahati) <i>Synthesis of Pyrimido[2,1-a]isoindolone and Isoindolo[2,1-a]quinazolinone via Intramolecular Aza-Prins Type Reaction</i>
4:30 – 4:40 PM	<b>FP-40: Shashank Tripathi</b> (CDRI-Lucknow) <i>A Diversified Approach to Functionalized Piperazinone via Post Ugi Cyclization and Diastereoselective Nucleophilic Addition</i>
4:40 – 4:50 PM	<b>FP-41: Ajay Kumar Uprety</b> (IICT- Hyderabad) <i>ipso-Annulations via Oxidative Dearomatization of Aryl Ynones/Ynamides</i>
4:50 – 5:00 PM	<b>FP-42: Ankush Gupta</b> (CUG) <i>Thioamidation by Directed installation of Sulphur and Amine</i>
5:00 – 5:30 PM	<b>Tea / Coffee Break</b>
<b>DRILS SESSION</b> Photocatalysis	
<b>SESSION 20</b> (5:30 – 6:55 PM)	<b>Chairperson: Dr. Manojit Pal</b> (DRILS)
5:30 – 5:45 PM	<b>IP-51: Sakamuri Sarath Babu</b> (IISER-Tirupati) <i>Aryl urea, a versatile synthon for the synthesis of interesting molecular scaffolds using photoredox catalysis</i>
5:45 – 6:00 PM	<b>IP-52: Saira Banu</b> (CDRI-Lucknow) <i>Deciphering the Role of Chlorophyll as an efficient Photocatalyst under the Visible-light irradiation</i>
6:00 – 6:15 PM	<b>IP-53: Soumen Ghosh</b> (IIT-Ropar) <i>HFIP-Assisted Single C–F Bond Activation of Trifluoromethyl Ketones using Visible-Light Photoredox Catalysis</i>

6:15 – 6:25 PM	<b>FP-43: Anand Kumar Pandey (BHU)</b> <i>Visible-Light-Induced Photocatalytic Oxidative Decarboxylation of Cinnamic Acids to 1,2-Diketones</i>
6:25 – 6:35 PM	<b>FP-44: Harpreet Kaur (GNDU)</b> <i>Studies in the Development of 'Lighted' Supramolecular Assemblies: Ambient Visible light promoted Photocatalyst in C-C Coupling reactions</i>
6:35 – 6:45 PM	<b>FP-45: Priya Saha (BHU)</b> <i>Photochemical and Electrochemical approaches for the synthesis of 1,2,3-Thiadiazoles from <math>\alpha</math>-Phenyl hydrazones</i>
6:45 – 6:55 PM	<b>FP-46: Neha Chalotra (IIIM-Jammu)</b> <i>Visible-Light-Promoted Oxidative Annulation of Naphthols and Alkynes: Synthesis of Functionalized Naphthofuran</i>
6:55 – 7:10 PM	<b>TEA / COFFEE BREAK</b>
<b>NOST COUNCIL SESSION</b>	
<b>Chairperson: Prof. V. K. Singh (IIT Kanpur)</b>	
7:10 – 7:30 PM	<b>IL01: Dr. Srinivas Oruganti (DRILS)</b> <i>API process research and development: Finding new "tools" of the trade</i>
7:30 – 7:50 PM	<b>IL02: Dr. Rakeshwar Bandichhor (DRILS)</b> <i>Process Chemistry Innovation</i>
7:50 – 8:20 PM	<b>PL03: Prof. S. Chandrasekaran (IISc, Bangalore)</b> <i>Organic Chemistry Research in India: A Glorious Past, A Vibrant Present and A Promising Future</i>
8:20 PM onwards	<b>Dinner</b>

<b>Day – 4 (9<sup>th</sup> Jan, 2022, Sunday)</b>	
7:30 – 8:15 AM	<b>Breakfast</b>
<b>DR REDDY'S SESSION</b> Organic Applications – I	
<b>SESSION 21</b> (8:15 – 9:20 AM)	<b>Chairperson: Dr. T. Saravanan (UoH)</b>
8:15 – 8:30 AM	<b>IP-54: Antara Sikder (IIT-Kharagpur)</b> <i>Visible Light Responsive Nano-Photocage: A Novel Strategy For Combinatorial Antibacterial Action</i>
8:30 – 8:45 AM	<b>IP-55: Avijit Sardar (IISER-Kolkata)</b> <i>Translation of Mycobacterium Survival Strategy to Develop a Lipo-peptide based Fusion Inhibitor</i>
8:45 – 9:00 AM	<b>IP-56: Bidisha Biswas (IIT-Mandi)</b> <i>Near-infrared-I Emissive Organic Molecular Probes for Visualization of Intracellular Albumin Homeostasis: In vitro Studies</i>
9:00 – 9:10 AM	<b>FP-47: Abhilash Rana (IICT-Hyderabad)</b> <i>Integrated Multi-step Continuous Flow Synthesis of Daclatasvir</i>
9:10 – 9:20 AM	<b>FP-48: M R Chinmaya (IIT-Madras)</b> <i>Functional group manipulation of quinone derivatives for energy dense rechargeable battery application</i>
<b>IICT SESSION</b> Organic Applications – II	
<b>SESSION 22</b> (9:20 – 10:20 AM)	<b>Chairperson: Prof. G. Satyanarayana</b> (IIT Hyderabad)
9:20 – 9:35 AM	<b>IP-57: Shalini (GNDU)</b> <i>Naphthalimide-4-aminoquinoline hybrids: Design, synthesis, and anti-plasmodial evaluation, with mechanistic facets</i>
9:35 – 9:50 AM	<b>IP-58: Sukhvinder Dhiman (GNDU)</b> <i>Organic NPs for visualization of 2,4,6-Trinitrophenol, Serum Albumins and latent fingerprints with different fluorescence Outputs</i>
9:50 – 10:00 AM	<b>FP-49: Anirban Das (IISER-Bhopal)</b> <i>Small organic molecules as modulators and sensors of insulin fibrillation</i>

10:00 – 10:10 AM	<b>FP-50: Arnab Dutta</b> (IISc-Bangalore) <i>A Turn-on Tb(III) Photoluminescent Paper-based Sensor for Naked-eye Detection of Hydrogen Peroxide</i>
10:10 – 10:20 AM	<b>FP-51: Johnson D J K George</b> (IIT-Gandhinagar) <i>Design, Synthesis and Biological Evaluation of Novel Indole Scaffolds as Potent Toused like Kinase Inhibitors</i>
10:20 – 10:40 AM	<b>Tea / Coffee Break</b>
<b>University of Hyderabad Session</b> <b>Methodology - IV</b>	
<b>SESSION 23</b> (10:40 AM – 12:05 PM)	<b>Chairperson: Prof. H. Surya Prakash Rao (PU)</b>
10:40 – 10:55 AM	<b>IP-59: Samrat Kundu</b> (IIT-Kharagpur) <i>Cascade Annulative-<math>\pi</math>-Extension for the Rapid Construction of Carbazole Based Polyaromatic Hydrocarbons</i>
10:55 – 11:10 AM	<b>IP-60: Madhu Babu Tatina</b> (IIIM-Jammu) <i>Organometallic Catalysed Stereoselective Synthesis of Glycosides from Glycals and its analogs</i>
11:10 – 11:25 AM	<b>IP-61: Muhammad Fahad Jamali</b> (CDRI) <i>Additive-Free Route to Fused Bicyclic Trifluoromethylated Isoxazolidines Employing Trifluorodiazethane</i>
11:25 – 11:35 AM	<b>FP-52: Lalita Devi</b> (CDRI-Lucknow) <i>1,3-Dipolar Cycloaddition of Diazo Compounds with Perylium Salts</i>
11:35 – 11:45 AM	<b>FP-53: Rajat Pandey</b> (IISER-Mohali) <i>A Base-mediated Sequential One-pot Approach to 2,3-Disubstituted Indoles from 2-(Tosylamino)aryl-substituted para-Quinone Methides</i>
11:45 – 11:55 AM	<b>FP-54: Aakanksha Gurawa</b> (MINT-Jaipur) <i>Regioselective Azidation of Olefins using Sulfonium Iodate Reagent</i>
11:55 AM – 12:05 PM	<b>FP-55: Sachin Chauhan</b> (UoH) <i><math>\delta</math>-Acetoxy Allenolate as a Four-Carbon Synthons in Carboannulations Using DABCO and DMAP</i>
12:05 – 12:55 PM	<b>Ending Ceremony, Prize Distribution &amp; Vote of Thanks</b>
12:55 – 1:55 PM	<b>Lunch</b>
1:55 PM onwards	<b>Departure</b>