

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

Day – 1 (6th Jan 2022, Thursday)

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

| INKARP SESSION | |
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| Total Synthesis of Natural Products – II | |
| SESSION 2 (4:00 – 4:50 PM) | Chairperson: Prof. P. Ramu Sridhar (UoH) |
| 4:00 – 4:15 PM | IP-03: Sabnam Begum (IISc-Bangalore) <i>Cp₂TiCl-mediated Reductive Cyclization: Total Synthesis of Natural Products</i> |
| 4:15 – 4:30 PM | IP-04: Anil Chauhan (CDRI-Lucknow) <i>Hydrogen-Bond-Guided Desymmetrization of Cyclohexadienone-aldehydes with Amines: Rapid Synthesis of Alkaloid-like Tetracyclic Frameworks</i> |
| 4:30 – 4:40 PM | FP-04: Gavit Vipin Rajendra (IISER-Bhopal) <i>Concise Total synthesis of Indolosesquiterpene Alkaloids, Xiamycin A and Xiamycin A Methyl Ester</i> |
| 4:40 – 4:50 PM | FP-05: Moinul Haque Sahana (IACS-Kolkata) <i>Total Synthesis of Biselyngbyolides A & C</i> |
| 4:50 – 5:00 PM | Interaction of Carbanio |
| 5:00 – 5:15 PM | Tea / Coffee Break |
| CARBANIO SESSION | |
| Carbohydrates | |
| SESSION 3 (5:15 – 6:00 PM) | Chairperson: Dr. P. Srihari (CSIR-IICT) |
| 5:15 – 5:30 PM | IP-05: Balasaheb K. Ghotekar (IIT-Bombay) <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 | FP-06: Bandi Anjaneyulu (UoH) <i>Regioselective Anomeric O-benzyl deprotection in Carbohydrates</i> |
| 5:40 – 5:50 PM | FP-07: Ajaz Ahmed (IIIM-Jammu) <i>Development of N-glycosylation methods as tool for the synthesis of molnupiravir and disaccharide mimetics</i> |
| 5:50 – 6:00 PM | FP-08: Suwendu Halder (IIT-Guwahati) <i>Glycosyl Ortho-[1-(p-MeOPhenyl)Vinyl]Benzoates (PMPVB) as Universal Donors for Oligosaccharide synthesis</i> |

| ADAMA SESSION Metal Catalysis – I | |
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| SESSION 4 (6:00 – 7:00 PM) | Chairperson: Prof. G. Sekar (IIT-Madras) |
| 6:00 – 6:15 PM | IP-06: Avijit Mondal (IIT-Guwahati) <i>Manganese Catalyzed Switchable C-Alkylation/Alkenylation of Fluorenes and Indene with Alcohols</i> |
| 6:15 – 6:30 PM | IP-07: Kuhali Das (IISER-Kolkata) <i>Homogeneous Manganese Catalyzed Hydrogen Transfer Reactions</i> |
| 6:30 – 6:45 PM | IP-08: Hillol Khatua (CBM-Lucknow) <i>Dual Reactivity of 1,2,3,4-Tetrazole: Manganese-Catalyzed Click Reaction and Denitrogenative Annulation</i> |
| 6:45 – 7:00 PM | IP-09: Priyanka Chakraborty (IIT-Kanpur) <i>High-Valent Cobalt Catalyzed Hydrogen Borrowing Reactions and its Mechanistic Investigations</i> |
| 7:00 – 7:10 PM | FP-09: Ganesan Sivakumar (IISER-Tirupati) <i>Mn-Catalysed Tandem Double Dehydrogenative Cross-Coupling of (Amino)Alcohols: Scope and Mechanistic Insights</i> |
| 7:10 – 7:20 PM | FP-10: Upendra Kumar (BHU) <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 | FP-11: Amar Jyoti Bhuyan (RGU) <i>Synthesis of phenoxypyrimidines from chloropyrimidines and arylboronic acids: A cascade avenue, an unconventional substrate pairs</i> |
| 7:30 – 7:45 PM | Tea / Coffee Break |
| NOST TRUSTEE SESSION Chairperson: Prof. Akhilesh K. Verma (DU) | |
| 7:45 – 8:15 PM | PL-01: Prof. Stephen A. Matlin (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 | Dinner |

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

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| 10:20 – 10:30 AM | FP-14: Anil Kumar (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 | Interaction of Chemscene |
| 10:40 – 11:00 AM | Tea / Coffee Break |
| CHEMSCENE SESSION Methodology – I | |
| SESSION 7 (11:00 AM – 11:55 AM) | Chairperson: Prof. T. Punniyamurthy (IIT-Guwahati) |
| 11:00 – 11:15 AM | IP-16: Arram Haritha Kumari (OU) <i>Solvent-Driven Mono- and Bis-Sulfenylation of (E)-β-Iodovinyl Sulfones with Thiols for Flexible Synthesis of 1,2-Thiosulfonylalkenes and 1,2-Dithioalkenes</i> |
| 11:15 – 11:30 AM | IP-17: Irshad Maajid Taily (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 | IP-18: Mrinmay Baidya (IISER-Kolkata) <i>Chemoselective Electrooxidation of Enamines to Access Unsymmetrically Substituted NH-Pyrroles</i> |
| 11:45 – 11:55 AM | FP-15: Amjad Ali (IIT-Delhi) <i>Diastereoselective 1,6-addition of α-phosphonyloxy enolates to para-quinone methides</i> |
| SCIENCE DIRECT SESSION Methodology – II | |
| SESSION 8 (11:55 AM – 01:00 PM) | Chairperson: Dr. Abhinav Kumar (Science Direct) |
| 11:55 AM – 12:10 PM | IP-19: Arup Jyoti Das (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 | IP-20: Nilanjana Mukherjee (BITS-Pilani) <i>Iodine-catalyzed Thiolative Annulation of 2-Alkynyl Biaryls in Water to Access 9-Sulfonylphenanthrenes and Polycyclic Heteroaromatics</i> |

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

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| 3:25 – 3:40 PM | IP-26: Vysakh V. Nair (IIT-Madras) <i>Enantioselective C_(sp3)-Pd capture using tosyl hydrazones: Access to 3,3'-disubstituted oxindoles</i> |
| 3:40 – 3:50 PM | FP-19: Kiran Kumari (CUR) <i>A Sulphonamide-tagged proline as an activated catalytic model for asymmetric transformations in aqueous media</i> |
| 3:50 – 4:00 PM | FP-20: Sadhna Shah (IIT-Kanpur) <i>Cu-Catalyzed Chemodivergent, Stereoselective Propargylic Dearomatization and Etherification of 2-Naphthols</i> |
| ACD LABS SESSION Chemical Biology | |
| SESSION 11 4:00 – 4:35 PM | Chairperson: Prof. R. Balamurugan (UoH) |
| 4:00 – 4:15 PM | IP-27: Abhisek Kar (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 | FP-21: Bharti Koshti (IU) <i>Single Amino Acid Self-Assemblies and its Implications</i> |
| 4:25 – 4:35 PM | FP-22: Suhail Ahmad Rather (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 | Interaction of ACD LABS |
| 4:45 – 5:00 PM | Tea / Coffee Break |
| ACS SESSION Metal Catalysis – II | |
| SESSION 12 (5:00 – 6:05 PM) | Chairperson: Dr. Anukul Jana (TIFR-Hyderabad) |
| 5:00 – 5:15 PM | IP-28: Mou Mandal (UoH) <i>Dodging the Conventional Reactivity of o-Alkynylanilines for the Synthesis of Benzo[b]azepine</i> |
| 5:15 – 5:30 PM | IP-29: Amreen Kaur Bains (IISER-Mohali) <i>Redox-active ligand catalyzed borrowing-hydrogen reactions via hydrogen atom transfer</i> |
| 5:30 – 5:45 PM | IP-30: Nirmala Mohanta (IISER-Pune) <i>Synthesis of Quaternary Methylalylolation scaffolds from C3-hydroxyoxindoles and C3-peroxyoxindoles Using tertiary butylacetate</i> |

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

| Day – 3 (8 th Jan 2022, Saturday) | |
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| 7:30 – 8:30 AM | Breakfast |
| RSC SESSION Palladium Catalysed Reactions – I | |
| SESSION 14 (8:30 – 9:20 AM) | Chairperson: Dr. Srinivasarao Yaragorla (UoH) |
| 8:30 – 8:45 AM | IP-34: Pradip Das (NIT-Patna) <i>Sustainable Leaving Groups for β-Selective Ferrier Rearrangement via Pd(0) Catalyzed Tsuji-Trost Reaction</i> |
| 8:45 – 9:00 AM | IP-35: Prashant Kumar (IISER-Mohali) <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 | FP-27: Santosh K. Sahoo (BU) <i>Developing air stable, recyclable and ligand free novel oxygen bridged bimetallic catalyst [M₁-O-M₂] for organic reactions</i> |
| 9:10 – 9:20 AM | FP-28: Khadimul Islam (IIT-Guwahati) <i>Multi-fold Sonogashira Coupling: a new convenient approach to obtain tetraalkynylatedanthracene with tunable photophysical properties</i> |
| ADAMA SESSION Palladium Catalysed Reactions – II | |
| SESSION 15 (9:20 – 10:20 AM) | Chairperson: Dr. Raju J. Reddy (OU) |
| 9:20 – 9:35 AM | IP-36: Shubham Dutta (UoH) <i>Cationic-Palladium Catalyzed Regio- and Stereoselective Dicarbofunctionalization of Unsymmetrical Alkynes</i> |
| 9:35 – 9:50 AM | IP-37: Bedadyuti V. Pati (NISER-Bhubaneswar) <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 | FP-29: Kolimi S. Basha (UoH) <i>Triflic Acid-Promoted Palladium-Catalyzed Regioselective Hydroarylation of Propiolic Acid with Aryl Boronic Acids: An Expedient Access to α-Aryl Acrylic Acids</i> |

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| 10:00 – 10:10 AM | FP-30: Shubhajit Basak (IIT-Guwahati) <i>Palladium-Catalyzed Cross-Dehydrogenative Coupling for C4- Selective Arylation of Indoles Utilizing Weak Coordination</i> |
| 10:10 – 10:20 AM | FP-31: Tamilarasu Murugesan (IISER-Thiruvananthapuram) <i>Palladium-Catalyzed Direct C2-Biarylation of Indoles</i> |
| 10:20 – 10:45 AM | TEA / COFFEE BREAK |
| IICT SESSION Carbenes & Organocatalysis – I | |

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| 12:10 – 12:20 PM | FP-36: Manoj Kumar Saini (BHU) <i>Pyridinium triflate catalyzed intramolecular alkyne-carbonyl metathesis</i> |
| 12:20 – 12:30 PM | FP-37: Sanjay Yadav (IICT-Hyderabad) <i>N-Heterocyclic Carbene (NHC)-Catalyzed Umpolung Transformations to Access Benzo-fused Heterocycles and Amides</i> |
| 12:30 – 12:40 PM | FP-38: Qumruddeen (CDRI-Lucknow) <i>Lewis Base/Brønsted Acid Co-Catalysis for Thiocyanation of Amides and Thioamides</i> |
| 12:40 – 12:50 PM | FP-39: Tazeen Azaz (CBMR-Lucknow) <i>Carbene Catalyzed Redox Alkenylation of Isatins using β-Substituted Organoselenones and Aldehydes</i> |
| 12:50 – 02:00 PM | LUNCH |
| RSC SESSION C–H Activation – III | |
| SESSION 18 (2:00 – 3:45 PM) | Chairperson: Dr Aparna Ganguly (RSC) |
| 2:00 – 2:15 PM | IP-41: Jogendra Kumar (CSMCRI-Bhavnagar) <i>Catalytic Direct Functionalization of C(sp³)-H Bonds Adjacent to Benzazoles</i> |
| 2:15 – 2:30 PM | IP-42: Pinki Sihag (IIT-Madras) <i>Direct allylic amination of internal as well as terminal alkenes via C-H activation</i> |
| 2:30 – 2:45 PM | IP-43: Shidheshwar Baliram Ankade (NCL-Pune) <i>A Facile Access to Indolones by Ni(II)-Catalyzed Intramolecular C–H/C–H Oxidative Coupling</i> |
| 2:45 – 3:00 PM | IP-44: Vikki N. Shinde (BITS-Pilani) <i>Palladium-Catalysed C-H Bond Functionalization of 3-Arylcoumarins: Synthesis of Coumestan Derivatives</i> |
| 3:00 – 3:15 PM | IP-45: Writhabrata Sarkar (IICB-Kolkata) <i>Synthesis of Functionalized Heterocycles via Copper and Rhodium-Catalyzed C-H Activation</i> |
| 3:15 – 3:30 PM | IP-46: Sudip Laru (VBU) <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 | IP-47: Vetrivelan Murugesan (IISER-Thiruvananthapuram) <i>C–H Alkylation of Aldehydes by Merging TBADT Hydrogen Atom Transfer with Nickel Catalysis</i> |

AETHER SESSION

Methodology - III

SESSION 19
(3:45 – 5:00 PM)

Chairperson: Dr. Subhash Ghosh
(IICT-Hyderabad)

3:45 – 4:00 PM

IP-48: Tabassum Khan (UoH)
Thermal-Ring-Rearrangement of benzochromenes to inden-3-yl-ols with p-TsOH

4:00 – 4:15 PM

IP-49: Dr. Sushmita (DU)
Radical Promoted Synthesis of Furoquinolines via Anomalous Dakin-type Reaction

4:15 – 4:30 PM

IP-50: Subhamoy Biswas (IIT-Guwahati)
Synthesis of Pyrimido[2,1-a]isoindolone and Isoindolo[2,1-a]quinazolinone via Intramolecular Aza-Prins Type Reaction

4:30 – 4:40 PM

FP-40: Shashank Tripathi (CDRI-Lucknow)
A Diversified Approach to Functionalized Piperazinone via Post Ugi Cyclization and Diastereoselective Nucleophilic Addition

4:40 – 4:50 PM

FP-41: Ajay Kumar Uprety (IICT- Hyderabad)
ipso-Annulations via Oxidative Dearomatization of Aryl Ynones/Ynamides

4:50 – 5:00 PM

FP-42: Ankush Gupta (CUG)
Thioamidation by Directed installation of Sulphur and Amine

5:00 – 5:30 PM

Tea / Coffee Break

DRILS SESSION

Photocatalysis

SESSION 20
(5:30 – 6:55 PM)

Chairperson: Dr. Manojit Pal (DRILS)

5:30 – 5:45 PM

IP-51: Sakamuri Sarath Babu (IISER-Tirupati)
Aryl urea, a versatile synthon for the synthesis of interesting molecular scaffolds using photoredox catalysis

5:45 – 6:00 PM

IP-52: Saira Banu (CDRI-Lucknow)
Deciphering the Role of Chlorophyll as an efficient Photocatalyst under the Visible-light irradiation

6:00 – 6:15 PM

IP-53: Soumen Ghosh (IIT-Ropar)
HFIP-Assisted Single C–F Bond Activation of Trifluoromethyl Ketones using Visible-Light Photoredox Catalysis

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

Day – 4 (9th Jan, 2022, Sunday)

7:30 – 8:15 AM

Breakfast

DR REDDY'S SESSION
Organic Applications – I

SESSION 21
(8:15 – 9:20 AM)

Chairperson: Dr. T. Saravanan (UoH)

8:15 – 8:30 AM

IP-54: Antara Sikder (IIT-Kharagpur)
Visible Light Responsive Nano-Photocage: A Novel Strategy For Combinatorial Antibacterial Action

8:30 – 8:45 AM

IP-55: Avijit Sardar (IISER-Kolkata)
Translation of Mycobacterium Survival Strategy to Develop a Lipo-peptide based Fusion Inhibitor

8:45 – 9:00 AM

IP-56: Bidisha Biswas (IIT-Mandi)
Near-infrared-I Emissive Organic Molecular Probes for Visualization of Intracellular Albumin Homeostasis: In vitro Studies

9:00 – 9:10 AM

FP-47: Abhilash Rana (IICT-Hyderabad)
Integrated Multi-step Continuous Flow Synthesis of Daclatasvir

9:10 – 9:20 AM

FP-48: M R Chinmaya (IIT-Madras)
Functional group manipulation of quinone derivatives for energy dense rechargeable battery application

IICT SESSION
Organic Applications – II

SESSION 22
(9:20 – 10:20 AM)

Chairperson: Prof. G. Satyanarayana
(IIT Hyderabad)

9:20 – 9:35 AM

IP-57: Shalini (GNDU)
Naphthalimide-4-aminoquinoline hybrids: Design, synthesis, and anti-plasmodial evaluation, with mechanistic facets

9:35 – 9:50 AM

IP-58: Sukhvinder Dhiman (GNDU)
Organic NPs for visualization of 2,4,6-Trinitrophenol, Serum Albumins and latent fingerprints with different fluorescence Outputs

9:50 – 10:00 AM

FP-49: Anirban Das (IISER-Bhopal)
Small organic molecules as modulators and sensors of insulin fibrillation

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| 10:00 – 10:10 AM | FP-50: Arnab Dutta (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 | FP-51: Johnson D J K George (IIT-Gandhinagar) <i>Design, Synthesis and Biological Evaluation of Novel Indole Scaffolds as Potent Toused like Kinase Inhibitors</i> |
| 10:20 – 10:40 AM | Tea / Coffee Break |
| University of Hyderabad Session Methodology - IV | |
| SESSION 23 (10:40 AM – 12:05 PM) | Chairperson: Prof. H. Surya Prakash Rao (PU) |
| 10:40 – 10:55 AM | IP-59: Samrat Kundu (IIT-Kharagpur) <i>Cascade Annulative-π-Extension for the Rapid Construction of Carbazole Based Polyaromatic Hydrocarbons</i> |
| 10:55 – 11:10 AM | IP-60: Madhu Babu Tatina (IIIM-Jammu) <i>Organometallic Catalysed Stereoselective Synthesis of Glycosides from Glycals and its analogs</i> |
| 11:10 – 11:25 AM | IP-61: Muhammad Fahad Jamali (CDRI) <i>Additive-Free Route to Fused Bicyclic Trifluoromethylated Isoxazolidines Employing Trifluorodiazethane</i> |
| 11:25 – 11:35 AM | FP-52: Lalita Devi (CDRI-Lucknow) <i>1,3-Dipolar Cycloaddition of Diazo Compounds with Perylium Salts</i> |
| 11:35 – 11:45 AM | FP-53: Rajat Pandey (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 | FP-54: Aakanksha Gurawa (MINT-Jaipur) <i>Regioselective Azidation of Olefins using Sulfonium Iodate Reagent</i> |
| 11:55 AM – 12:05 PM | FP-55: Sachin Chauhan (UoH) <i>δ-Acetoxy Allenolate as a Four-Carbon Synthons in Carboannulations Using DABCO and DMAP</i> |
| 12:05 – 12:55 PM | Ending Ceremony, Prize Distribution & Vote of Thanks |
| 12:55 – 1:55 PM | Lunch |
| 1:55 PM onwards | Departure |