

25th CRSI-NSC
List of Accepted Posters
(The presenter must be registered participant)

No.	Name	Title
1	Neha Goswami	<i>Theory for Electrochemical Impedance Response of Solid State Electrolyte in Lithium Ion Batteries</i>
2	Kallol K. Ghosh	<i>Carbon Quantum Dots: A Novel Strategy for Fluorescence Turn-On Assay of Acetylcholinesterase Activity and Inhibitor Screening</i>
3	Sushama Sahu	<i>Size Tunable Au@Ag Bimetallic Nanoparticles: Synthesis and Application for Detection of Toxic Element in Vegetable Samples</i>
4	Srishti Sharma	<i>Molecular Interaction of Novel Anti-Alzheimer drugs with β-Cycloamylose and study of their Inclusion Complexation</i>
5	Sushil Ranjan Bhatta	<i>Metal-Coordination Driven Intramolecular Twisting: A Turn-On Fluorescent-Redox Probe for Hg^{2+} Ions Through the Interaction of Ferrocene Nonbonding</i>
6	Arvind Kumar	<i>A Visible Light Controlled Receptor For The Detection Of Copper Ion</i>
7	Amit Rajput	<i>[Cu^{II}]{(L^{ISQ})⁻}₂] (H₂L: Thioether-appended o-Aminophenol Ligand) Monocation Triggers Change in Donor site from N₂O₂ to N₂O₍₂₎S and Valence Tautomerism</i>
8	Noor ud Din Zargar	<i>Design and Synthesis of C-2 Substituted Derivatives Of 1,3-Indandione and Allied Compounds. Their Characterization and Mechanistic Studies</i>
9	Vipin K. Pandey	<i>AgSbF₆-Catalyzed anti-Markovnikov Hydroboration of Terminal Alkynes</i>
10	Gurleen Kaur Gulati	<i>The Mc Form Of The Spiropyran For The Detection Of HSO₄⁻ Ion In Water</i>
11	Lovleen Kaur Gulati	<i>Synthesis And Evaluation Of Photoresponsive Polymer</i>
12	SatyaPriya Deka	<i>Solvent Dependent Fluorescent Sensing Properties of 1,2,4-Triazole Linked Schiff Base Chemosensor: Detection of Cu(II), Cd(II) And Hg(II) In The H₂O, CH₃CN And CH₃CH₂OH</i>
13	Sapna Dabade	<i>Development of GA-QSAR Based Models and Molecular Docking Study to Project the Antifungal Activity towards Candida albicans</i>
14	Saroj Kumar Kushvaha	<i>Isolation and characterization of Homometallic and Heterobimetallic Clusters of Ni^{II} and Zn^{II} with Interesting Topologies</i>
15	Dibyajyoti Panja	<i>Synthesis of Quinoxaline and Imine Scaffolds Using Reusable Heterogeneous Cobalt Catalyst</i>
16	Sriparna Ray	<i>Developing Ruthenium-NHC based Catalysts for C-H Bond Functionalization Reaction in Water</i>
17	Kasturi Ganguli	<i>Cooperative Mn(I)-Complex Catalyzed Transfer Hydrogenation of Ketones and Imines</i>
18	Biswadeep Bomzon	<i>Rate Constants of Tautomerization of 2- Hydroxypyridine and 2-Mercaptopyridine in Water</i>
19	Jyothi Lather	<i>Cavity Catalysis by Co-operative Vibrational Strong Coupling of Reactant</i>

		<i>and Solvent Molecules</i>
20	Anupamjeet Kaur	<i>Interactions of a Multifunctional Di-triazole Derivative with Alzheimer's Aβ42 Monomer and Aβ42 Protofibril: In vitro and In silico Study</i>
21	Habiba Sultana	<i>Physicochemical Investigation on Surfactant Aggregates with Special Reference to Ionic Liquids</i>
22	Mandeep Kaur	<i>Development and Importance of Supramolecular Organic framework coated Nanoflower shaped Au-Fe₃O₄ NPs Photocatalyst in C-C and C-X bond formation</i>
23	Amritpal Singh Chaddha	<i>Elemental Composition of a Putative Rock/Alloy Fragment from an Archaeological Site in Uttar Pradesh India: Inferences from XRD, XRF and FESEM-EDS Analyses</i>
24	V. P. Rama Kishore Putta	<i>A metal- and base-free domino protocol for the synthesis of 1,3-benzoselenazines, 1,3-benzothiazines and related scaffolds</i>
25	Monika Shukla	<i>Synthesis Of 1,2,4-Trioxanes Via Photooxygenation of 3-(4-alkoxy naphthyl)-but2-ene-1-ol</i>
26	Manas Barai	<i>Investigations on the Gel Formed by Double-Headed Anionic Surfactants in Combination with HexadecyltrimethylammoniumBromide</i>
27	Sk. Shamim Islam	<i>Tandem Cu-catalyzed C-N coupling using 1,1-Dibromoalkenes and N-Heteroarenes</i>
8	Rohini Saha	<i>Mechanistic Aspects Of Transition Metal Salt Catalyzed Intermolecular [2+2] and [3+2] Cycloaddition Reactions Of Propadiene And Alkene Derivatives.</i>
29	Babulal Maji	<i>Bi-functional Ir-NHC Catalysed Switchable Hydrogenation of N-Heterocycles</i>
30	Devesh Chandra	<i>Rapid Synthesis of Quinoline by Organic Acid Mediated Povarov Type Multicomponent Reaction</i>
31	Deepika	<i>Molecular Simulations of Structure, Dynamics and Spectral Properties in Terahertz Region of Aqueous Solutions using Polarizable Force fields</i>
32	Mrittika Mohar	<i>Phenylalanine based low molecular weight gelator for the removal of metal ions and dyes from wastewater</i>
33	Debashree Bora	<i>Redox Non-Innocent C-H Activated Iridium Complexes and Its Application in Alcohol Oxidation</i>
34	Firdaus Rahaman Gayen	<i>Synthesis and Characterization of Ferrocene Functionalized Schiff base Cu(II) Metal Complex and its Application in Click Reaction</i>
35	Ankit Kumar Dhiman	<i>Microwave-Assisted Metal-Free Three-Component Reaction for Direct Synthesis of 2-Anilinoquinolines and 3-Hydroxyquinolines</i>
36	Emili Manna	<i>Effect of [BMIM] BF₄ Ionic Liquid on the Mono-/ Bilayer of Membrane Mimetic System</i>
37	Vishal Singh	<i>Estimating The Mean First Passage Time of Protein Misfolding and Aggregation</i>
38	Raghuram Gujjarappa	<i>Pd-Catalyzed Decarboxylation and Dual C(sp³)-H Functionalization: Protocols for the Synthesis of 2,4-Diarylpyridines</i>
39	Rakesh Kumar	<i>Cobalt(III)-Catalyzed Alkylation of C(sp³)-H Bonds of 8-Alkylquinolines with Maleimides</i>
40	Nidhi Sorout	<i>Effects of Boron Nitride Nanotube on the Secondary Structure of Aβ(1-42)</i>

		<i>Trimer: Inhibitory Effect on Amyloid Formation</i>
41	Piyush Kumar Sonkar	<i>Teak Wood Derived Mesoporous Carbon And Molybdenum Sulfide Composite For Electrochemical Oxygen Reduction</i>
42	Sabeeha Parveen	<i>Backbone Boron functionalized Imidazole and Imidazolium salts: Synthesis, Reactivity, Photophysical Properties and Anion Sensing Properties</i>
43	Gargi Chakraborty	<i>Metal-Ligand Cooperativity in Ni-Catalyzed Dehydrogenative Functionalization of Alcohols to N-Heterocycles</i>
44	Jeyabalan Shanmugapriya	<i>Anthracene-Based Highly Selective And Sensitive Fluorescent "Turn-On" Chemodosimeter For Hg²⁺</i>
45	Rahul Verma	<i>Cyclohexane Oxidation in Zeolites: Molecular Mechanism and Energetics</i>
46	Harpreet Kaur	<i>Development of AIE Active Probe for the Preparation of Au-Fe₃O₄ Nanodots: Ambient Visible Light Promoted "dip-strip" Catalyst for C-C/C-N bond Formation Reactions</i>
47	Kritika Gupta	<i>A Photostable Luminescent pH-responsive Lysosome Targeting Eu(III) Probe</i>
48	Himanshu Arora	<i>Tuning The Locus Of Oxidation In Cu-diamido-diphenoxo Complexes: From Cu(III) To Cu(II)-Phenoxy Radical</i>
49	Usha Yadav	<i>Ternary Eu³⁺ Homobimetallic Lanthanide Complex of Terpyridine & β-Diketonate Ligands as Photosensitizing Antennae: Synthesis, pH Responsiveness, Photophysical Study & Binding Interactions with the Biological Targets</i>
50	Praveen Kumar P. P	<i>Supramolecular Nanocomposite Containing BODIPY and Gold Nanoparticles: A Versatile Material for Photosensitization and Chemosensing</i>
51	Shailesh Kumar Singh	<i>ARti (Anthrol Reductase From Talaromyces Islandicus) For Chemoenzymatic Reduction Of Natural Anthraquinones And Its (Bio)Synthetic Implications</i>
52	Nirmal Saha	<i>Chemoenzymatic Synthesis Of Natural Cis-Dihydroarene diols Using Tetrahydroxynaphthalene Reductase And Its Biosynthetic Implications</i>
53	Suhas Gawali	<i>Manganese(I)-Catalyzed α-Alkenylation of Ketones Using Primary Alcohols</i>
54	Amit Mondal	<i>Chemoenzymatic Total Synthesis Of (-)-Rugulosin A, B And C And Rugulin Analogs</i>
55	Shubhendra Tripathi	<i>Binding of a β-Lactam Inhibitor with Class-C β-lactamases: A Temperature Accelerated Sliced Sampling Study</i>
56	Navneet Chandra Verma	<i>Fallacy and Future of Carbon Nano Dots</i>
57	Dr. Debayan Sarkar	<i>New Intrigues with Oxidative Dearomatisation Reactions- Asymmetric Tribromides and Perruthenates</i>
58	Vibha Tiwari	<i>Cu-Catalyzed Narasaka Cyclization of β-allenyl Oxime Ester Followed By Cross Coupling Reaction With Indoles</i>
59	Koushik Mondal	<i>Investigation of the Absorption Cross-section of Phenyl Radical and its Kinetics with Methanol in the Gas Phase Using Cavity Ring-down Spectroscopy and Theoretical Methodologies</i>
60	Abinash Pradhan	<i>Bi/Sb-Based Lead-Free Halide Perovskites for Possible Photovoltaic Application</i>

61	Chandrakanta Parida	<i>α-Nitro-α,β-Unsaturated Ketones: Efficient Electrophilic Acyl Transfer Reagent In Catalytic Asymmetric Friedel-Crafts And Michael Reactions</i>
62	Avinash Kumar	<i>Experimental and Computational Investigation on the Cl Atom Initiated Photo-Oxidation Reaction with Isopropyl Formate and Isobutyl Formate</i>
63	Koushik Dutta	<i>Grafting of Lactic acid on epoxidized lignin for the Preparation of Lignin-g-PLA copolymer</i>
64	Mrinaly Suri	<i>Development Of Silica Supported Iron Oxide Nanoparticle And Its Application Towards The Synthesis Of Chromen-5-one Derivatives</i>
65	Koushik Das	<i>Process For The Synthesis Of Functionalized Tetrahydrofuran (THF) Derivatives From Epoxide Through Hydrogen Bond Donor (HBD) Catalyzed Domino Protocol</i>
66	Beena K. Vernekar	<i>Synthesis, Structural Investigations and Biological Evaluation of Bismuth-mefenamate Complexes</i>
67	Harshit Joshi	<i>Asymmetric Construction of Remote Vicinal Quaternary and Tertiary Stereocenters via Direct Doubly Vinylogous Michael Addition</i>
68	Siuli Das	<i>Redox-Induced Interconversion and Ligand-Centered Hemilability in Ni^{II} Complexes of Redox-Noninnocent Azo-Aromatic Pincers</i>
69	Abhishek Kumar	<i>Catalytic Conversion of CO₂ to Formate with Renewable Hydrogen Donors: An Ambient-Pressure and H₂-Independent Strategy</i>
70	Arko Das	<i>Chiral Metal-Indapybox Catalysed Enantioselective Mukaiyama Michael Reactions of α,β-Unsaturated 2-Acyl Imidazoles</i>
71	Kirti Singh	<i>Synthesis, Spectroscopic Characterization of Homoleptic Anilido Imine Zinc Complex and its Mechanistic Insight into Photoinduced ATRA</i>
72	Sudhir Lima	<i>Synthesis, Structure and Biological Evaluation of Mixed Ligand Oxidovanadium(IV) Complexes Incorporating 2-(aryloxy) Phenolates</i>
73	Sharmila Pandey	<i>Convergent Coordination of Benzotriazole-Based Nitrogen-Rich Ligands</i>
74	Jhilirani Mohanta	<i>Efficient Removal of Malachite Green from Contaminated Water using Starch Fabricated Pyrolusite</i>
75	Mounika Alia	<i>Sequential Propargylation/Annulation Approach To Facile Access β-Carbolines, Naphthofurans And Naphthopyrroles</i>
76	Praveen Kumar P. P	<i>Supramolecular Nanocomposite Containing BODIPY and Gold Nanoparticles: A Versatile Material for Photosensitization and Chemosensing</i>
77	Razia Shabnam	<i>Surface Stress And Surface Reconstruction: An Ab-Initio Study On The Polar GaN (0001) Surface</i>
78	Parimal C. Bhowmick	<i>ROFBAC: Removal of Fluoride from water using Biomass-based Activated Carbon</i>
79	Pawan Kumar	<i>Coumarin[4]arene: A Fluorescent Member of Heterocalixarene Family</i>
80	Santosh S. Terdale	<i>Tetrabutyl phosphonium fatty acid ionic liquids as a catalyst for the synthesis of 4H-pyrans under solvent free conditions</i>
81	Eram Bano	<i>Design and Selective Cancer Cell Imaging Application of Purine-Functionalized Fluorescent Silver Nanoclusters</i>
82	Surender Singh	<i>Electronic Structure, Lattice-Dynamics And Superconductivity in Ag-Au Alloys</i>

83	Subhabrata De	<i>Synthesis of Secondary Amines from Primary Amines Catalyzed by Bifunctional Ru(II) Complex bearing Naphthyridine Functionalized Pyrazole Ligand</i>
84	Ekta Nag	<i>Chemodivergent Catalytic Functionalization of Heterocyclic Compounds By First Row Transition Metal-Mediated Carbene Transfer</i>
85	Himani Malik	<i>Thin-Films Of Functional Ferrocene Derivatives On Surface</i>
86	Alpana Boruah	<i>Design and Development of Hybrid Peptide Based Molecular Complexes: Towards Construction of Potential Molecular Vehicles</i>
87	Aditya Yadav	<i>Multimode Responsive Fluorescent Nanodots For Correlative Superresolution And Electron Microscopy</i>
88	Bony P. Joy	<i>Synthesis and Studies of Non-Symmetrical Tetraaryl α-Diimines and NHCs</i>
89	Prashant Kumar Pandey	<i>Theoretical Studies of the Behaviour of Aqueous Surfaces: Mechanism, Free Energies and Kinetics of Evaporation</i>
90	Bahadur Sk	<i>Triplet Harvesting in Rigid and Flexible Multichromophoric Organic Emitters</i>
91	Kriti Kapil	<i>Construction & In-Vivo Behaviour of Novel Cascade Enzyme Nanoparticles Constructs</i>
92	Anusuyadevi Kathiresan	<i>Green Hydrothermal Synthesis of Copper Nano Spheres and Study of its Catalytic Activity in the Reduction of Nitro Aromatics and Hexavalent Cr(VI)</i>
93	Suman Dhingra	<i>Development of Zn_{0.5}Cd_{0.5}S/Ni₂P Heterostructures for Efficient Visible-Light-Assisted Photocatalytic H₂ Generation from Water Splitting</i>
94	Khyati Shukla	<i>Highly Diastereoselective Syntheses of Carbocyclic Spiro-pyrazolones via Domino Michael-Michael and Sequential Hydro-alkylation Reactions</i>
95	Vipin Mishra	<i>Rationally Designed Semiconducting 2D Metal-Organic-Framework</i>
96	Kamaless Patra	<i>A Nickel–NHC Complex Catalyzed Imine and Amine Synthesis via Acceptorless Dehydrogenative Coupling or Hydrogen Borrowing Strategy</i>
97	Shaifali Sartaliya	<i>The Effect of Spacers on Drug Polymers: Polymerization of Ciprofloxacin by Thermal Amidation and their Antibacterial Profile</i>
98	Anusueya Kumari	<i>Total Synthesis of Onitin and (\pm)-4,8,14-trihydroxyilludala-2,6,8-triene</i>
99	Sadhna Shah	<i>Cu-Catalysed One-pot Three Component Imination-Alkynylation-aza-Michael Sequence: Enantio- and Diastereoselective Syntheses of 1,3-disubstituted Isoindolines and Tetrahydroisoquinolines</i>
100	Monika Dhankar	<i>Heteroepitaxial Quantum Dots on Patterned Substrates</i>
101	Madhurima Sarkar	<i>Effect of π-spacer on Intramolecular Charge Transfer in Pyridoquinoxaline Carbazole based Molecular Materials</i>
102	Shilpi Jaiswal	<i>One-Pot Fabrication of Single-Component White Light Emitting Semiconductor Nanocrystals</i>
103	Kalsang Tharpa	<i>Removal of Acetaldehyde in Glycols Using Reactive Polymeric Material</i>
104	Ruchi Chawlaa	<i>A Transition-Metal-Free Oxidative Decarboxylative Sulfono Functionalization Of Cinnamic Acids To β-Keto Sulfones</i>
105	S. J. Shah	<i>Probing Bis-Fe^{IV} MauG: Isolation of Highly Reactive Radical Intermediates</i>
106	Pratibha Mahto	<i>Asymmetric Multifunctional Modular Organocatalysis: One-pot Direct Strategy to Enantiopure α,β-Disubstituted γ-Butyrolactones</i>

107	Poonam Chauhan	<i>Design and Synthesis of Pyridinium Oxime Based Antitubercular Agents</i>
108	B. Saha	<i>Modulation of Supramolecular Chirality by Stepwise Axial Coordination in a Zn(II)porphyrin Trimer</i>
109	Priyanka Pandey	<i>Influence of Rank-2 Saddle in the Dynamics of a Model System of Isomerization</i>
110	Sharad Kumar Sachan	<i>Multifunctional Imidazole Based In/Cd-MOF for Gas Adsorption, Catalysis and Selective Sensing of Metal Ions/Molecules</i>
111	Vijay Natarajan	<i>Development of reaction based novel colorimetric probe for rapid detection of hydrazine in pure aqueous solvent medium</i>
112	Nilimesh Das	<i>Correlating Active-Site Dynamical behavior of plant enzyme Bromelain to its Functional Behaviour</i>
113	K. Justice Babu	<i>Ultrafast Charge Carrier Dynamics in Type-1 3D/0D CsPbBr₃@Cs₄PbBr₆ Core-Shell Perovskite System</i>
114	Sudhir Kumar Shoora	<i>Highly Selective and Sensitive Fluorometric Determination of Zn²⁺ Ions Using Hydroxy Phenyl Derived Schiff Base Chemosensors</i>
115	Manas Kumar Mandal	<i>Physicochemical Studies On Synthesized Surface Active Ionic Liquids (SAILs) In Comparison With Similar IL+Water Mixed Solvent Systems</i>
116	Sarnali Sanfui	<i>Oxidation Triggered Unusual Stabilization of Dication Diradical Intermediates in Metalloporphyrin Dimers</i>
117	Aditya Sharma Ghrera	<i>Colorimetric Signal Detection Based LFA Development for Diagnosis of Urinary Tract Infection</i>
118	Aritra Das	<i>Ultrafast solvation dynamics reveal the octa acid capsule's interior dryness depends on the guest</i>
119	Shovon Chatterjee	<i>Reversible Growth of Mixed Lead Bismuth Perovskite Nanocrystal – Presence of Dynamic Capping</i>
120	Naveen Dhingra	<i>Understanding The Structural Requirements Of Sulfonamide Analogues As Microtubule Targeted Agent In Chronic Myelogenous Leukemia: An In Silico And In Vitro Study</i>
121	Ramranjan Mishra	<i>Ru (II) Polypyridyl Complexes as Photocages for Diallyl Sulphide: A Potential Anticancer Phytochemical from Garlic</i>
122	Milan Maji	<i>Ruthenium Catalyzed Multicomponent Synthesis of Pyrimidines and 2-Alkylaminopyrimidines</i>
123	Kiran Kumar Mustyala	<i>Correlation of Electronic Structure and Antibacterial Activity of Ru (II) Polypyridyl Complexes: A DFT Approach.</i>
124	Navaneetha Nambigari	<i>A DFT Study of Structural and Binding Properties of Cu (I) Polypyridyl Complexes With MMP - 2 Protein.</i>
125	Sumit Kumar Sonkar	<i>Photocatalytic Reduction of Cr(VI) to Cr(III) in Wastewater under Natural Sunlight by Nitrogen-Phosphorus-Doped Carbon Dots</i>
126	Sagarmoy Mandal	<i>Enhanced Sampling And Free Energy Calculations With Hybrid Functionals And Plane Waves For Chemical Reactions</i>
127	Ramsha Javed	<i>Efficient Sampling Of Reaction Pathways By Temperature Accelerated Sliced Sampling</i>

128	Ritu Kapoor	<i>Visible Light Activated Radical Denitrative Benzoylation of β-Nitrostyrenes: A Photocatalytic Approach to Chalcones</i>
129	Tohasib Yusub Chaudhuri	<i>Enantio- and Diastereoselective Approach To Substituted Tetrahydropyrroloquinolines From 2-Imonochalcone Under Mild Condition</i>
130	Pravat K. Swain	<i>Novel Studies on Liquefaction of Microalgae into Bio-Crude Oil Using Varying Reaction Process</i>
131	Vivek Singh	<i>Synthesis and Catalytic Application of Transition Metal Complexes of CCC-Pincer Ligand Containing 1,2,4-triazolylidene Donor</i>
132	Gollapalli Narasimha Rao	<i>Pd- Catalyzed Synthesis and Asymmetric reduction of Benzils</i>
133	Vani Kondaparthi	<i>Identification Of Novel Lead Scaffolds To Inhibit Serine Proteases By Applying Insilico Techniques</i>
134	Chandrakanta Dash	<i>Well-Defined Bis(Pyrrrolyl)Pyridine based Palladium Catalysts for Domino Sonogashira Coupling/Cyclization Reaction</i>
135	Chethana Rao	<i>Unveiling the Hydrogen Bonding Network of Intracellular Water by Fluorescence Lifetime Imaging Microscopy</i>
136	Kalyani Maitra	<i>Structural Diversity In Charged Heptapeptides: Two-Dimensional NMR Studies</i>
137	Santanu Maitra	<i>Small Molecule Modulators for ApoE, AbcA1, and Ldlr for Alzheimer's Therapy</i>
138	R. Vijayaraghavan	<i>Efficient Day - Night Catalysts for Water Recovery from Industrial Effluents through Reactive Oxygen Species Generation</i>
139	Yachana Gupta	<i>A New Point-Of -Care Test For The Diagnosis Of Bacterial Infection Based On Lateral Flow Immunoassay</i>
140	Soumyadeb Dey	<i>Substituent Effects On The Aromaticity Of Benzene – An Approach Based On Interaction Coordinates</i>
141	Umakanta Subudhi	<i>Protective role of cerium chloride on catalytic activity of catalase: A computational and biochemical study</i>
142	Priyanka Chakraborty	<i>α-Alkylation of Ketones with Secondary Alcohols Catalyzed by Well Defined Cp*CoIII-Complexes</i>
143	Rajib Mandal	<i>C-H Bond Functionalizations Using Weakly Coordinating Directing Groups Under Cobalt-Catalysis</i>
144	Jitendra Bera	<i>Hydration, Oxygenation and Oxidation using Water in Organometallic Catalysis</i>