

DAY-1, 18th December 2025

S.No	Name	Affiliation	PP No.	Title of Abstract
1	Aditi	University of Delhi	PP-01	Mn(I) Complexes Bearing 2-Mercaptopyridine and Phosphines: Promising Catalysts for Proton Reduction
2	Amirul Islam	IIT Tirupati	PP-02	Regulation of Tyrosinase Enzyme Activity by Glutathione Peroxidase Mimics
3	Amit Kumar Bera	IIT Delhi	PP-03	Insight into the Mechanistic Investigation of Nitrite Reduction at Macrocyclic Fe(II) Center
4	Amit Mandal	IACS Kolkata	PP-04	Direct Reduction of Nitrite to Nitric Oxide by Iron(II): Generation of [FeII{FeNO}7] species vs. Generation of the DNICs
5	Ankit	IIT Kanpur	PP-05	Light-Activated Rhenium Complex Induces Ferroptosis and Immunogenic Cell Death in Breast Cancer
6	Anushka Verma	IIT Hyderabad	PP-06	Multi-Stimuli Responsive Luminescent Ruthenium(II) Complexes as Selective Probe for Cyanide Detection in Aqueous Media: Spectroscopic and Electrochemical Insights
7	Anwesha Ghosh	IEST Shibpur	PP-07	Investigation of Fe (III) complexes with Aminoguanidine Schiff base ligands as biomimetic catalysts and sulphide sensors
8	Apurba Mandal	IIT (BHU)	PP-08	Polypyridyl Os(II) Complexes for Red Light-Activated Photocatalytic Cancer Therapy
9	Aravindh Raj Kannan	IIT Tirupati	PP-09	Biotransformation of Inorganic Arsenic by Functional Models of Methyltransferase AS3MT enzyme

10	Argha Dasgupta	Jadavpur University, Kolkata	PP-10	Exploring free radical induced activity of Carminic acid and its CoII complex with a correlation with activity observed on PC 3 carcinoma cells
11	Arindam Basak	IACS Kolkata	PP-11	Thiocarboxylate and Acid Chloride Mediated Generation of Nitric Oxide from a Dinickel(II)-Bis(ONO) Complex Involving the Formation of Perthionitrite and O-Nitrosyl Carboxylate
12	Asit Dutta	IACS Kolkata	PP-12	Effect of Ligand Denticity and Nuclearity on Oxygen Reduction Reaction Catalysed by Copper(II) Complexes
13	Balasubramaniam Selvakumaran	National College (Autonomous) affiliated to Bharathidasan University,	PP-13	Promiscuity of Monocopper(II) Complexes: Emulate the Function of Ascorbate, Amine, and Catechol Oxidases
14	Disha Gauns	Goa University	PP-14	Synthesis, characterization, and application of copper(II) compounds stabilized by tetradentate ligands
15	Gargee Bhattacharyya	NIT Rourkela	PP-15	Segregation of the relative contribution of enzymatic sites and self assembly towards rapid ferroxidase activity and bio-mineralization
16	Gayathri Kolliyedath	IISER Thiruvananthapuram	PP-16	Modulation of NO and HNO Signalling Output by the Synergistic Activation of Nitrite and Thio/selenocarbonyl compounds
17	Jyoti Devi	IISER Mohali	PP-17	Electronically Asynchronous Transition State Tuned from Remote Site for Oxygen Atom Transfer by CuI–Nitrite Complexes
18	K. Dey	University of Bonn, Germany	PP-18	Dual Activation of H ₂ and CO ₂ by a Pincer-type Ni–Zn Complex
19	Kajal Chaudhary	IIT Kanpur	PP-19	Pyroptosis-Inducing Ruthenium Arene Complex for Immunogenic Targeting of Triple-Negative Breast Cancer
20	Kannan Subburaj	Alagappa University Karaikudi, Tamilnadu	PP-20	Tuning Trans-Fluorenyl substituted porphyrins and their Zinc(II) complexes for Enhanced Photocatalytic applications

21	Limashree Sahoo	IIT Guwahati, Assam	PP-21	Role of Heteroatom Substitution on the Stability and Reactivity of Mononuclear Cu(II)-Alkylperoxo Complexes
22	Neeraj Kumar	IISER Mohali	PP-22	Modeling Met-Tyr-Trp Crosslink Biogenesis in KatG using Synthetic Heme Iron(III) π -dication Species
23	Parkhi Sharma	IIT Kanpur	PP-23	Structural and Reactivity Insights into High-Valent Co(III)-(μ -peroxo) Co(IV) and Its Electromer Co(III)-(μ -superoxo)-Co(III)
24	Payal Panwar	IIT Guwahati	PP-24	Influence of Asymmetrical Ligand Substitution on the Formation, Stability, and Reactivity of Ruthenium(III) Hypochlorite Complexes
25	Pooja	University of Delhi	PP-25	Dithiolate-Bridged {FeFe} Complexes Incorporating Aminophosphine Ligand: Functional Hydrogenase Models
26	Prashant Kaushik	Gurukula Kangri (Deemed to be University), Haridwar,	PP-26	New Benzimidazolyl Based Schiff Base and Its Cu(II) Complexes: Crystal Structure, DFT Study, Cytotoxicity Activity and Molecular Docking
27	Pratikshya Das Pattanayak	NIT Rourkela	PP-27	Solution Behavior, Biomolecular Binding, Cytotoxicity, and Cellular Internalization of Mononuclear Non-oxido and Dinuclear Oxido VIV Metallodrugs
28	Prithaj Ghosh	IACS Kolkata	PP-28	Generation and Reactivity of Mononuclear Iron(III)-Hydroxo Complexes Supported by Polydentate Ligands Bearing Amide Groups
29	Priyal Malpani	Central University of Rajasthan, Bandersindri, Ajmer	PP-29	Multifunctional Molecules Targeting Amyloid Aggregation and Copper Chelation to Combat Alzheimer's Disease
30	Rachana Kamsala	IIT Tirupati	PP-30	Mechanistic Insights into RHg^+ - and Hg^{2+} -Mediated Desulfurization and Deselenization under Oxidative Stress
31	Rajaneesh Kumar Verma	IIT Delhi	PP-31	Selective Catalytic Conversion of Nitrite to Ammonium by an Oxygen Tolerant Molecular Cobalt Complex

32	Rasmi V. Morajkar	CSIR-Central Leather Research Institute, Chennai 600020, Tamil Nadu, India.	PP-32	Ru nanoclusters-integrated tannic acid-etched hollow ZIF-8 nanozyme exhibits remarkable control over specificity of phenoxazinone synthase activity with intrinsic superoxide trapping features
33	Renu Devi	IIT Ropar	PP-33	Electrospun Nanofibers with doped ZnO and Cu Nanoparticles Coated with Chitosan for Air Purification through Antimicrobial Mechanism
34	Rohini A. Kale	Savitribai Phule Pune University, Pune	PP-34	Fluorescent Protein Nanoparticles for Cellular Imaging
35	Rwiddhi Chakraborty	NISER, Bhubaneswar	PP-35	Hydrogen Evolution Reaction Catalysed by Secondary Sphere Tuned Corrolato(oxo)antimony(V) Dimer
36	Sanchita Das	NIT Rourkela	PP-36	Organotin(IV) Azo Hydrazonates as Lysosome-Targeted Anticancer Agents
37	Shubham	IISER Mohali	PP-37	Stepwise Nitrate \rightarrow Dinitrogen Transformation Mediated by a Series of Synthetic Heme/Cobalt and Heme/Copper Assemblies: Modeling Denitrification with Cytochrome c Oxidase Mimics
38	Soumyadarshi Rath	IIT Bhubaneswar	PP-38	A Remarkable ParaCEST Activity Shown by a Co(II) Complex With One Inner Sphere Water Molecule
39	Sourav Ghosh	Ramakrishna Mission Residential College (Autonomous) Narendrapur,	PP-39	Aromatic Hydrogen Atom Transfer: Stabilization of a Naked Sigma Radical in a Di-nuclear CuIICuII Complex
40	Srijan Sengupta	IACS Kolkata	PP-40	Electrocatalytic O ₂ -Driven Aldehyde Decarbonylation by a Thiolate Ligated Iron Porphyrin
41	Tanaya Subudhi	NIT Rourkela	PP-41	The Iron-Thiol-Oxygen Nexus: Thiol Molecular Architecture and Protein Encapsulation Dictates Iron Flux and Controls Oxidant Activity
42	Triparna Roy	IACS Kolkata	PP-42	Hydrogen Bonding Activates Ferric Porphyrin Hydroperoxo Species and Drives the Regioselective Heme Oxygenase Reaction

43	Tuhin Sahana	IISER Thiruvananthapuram	PP-43	Coordination-induced Activation of Phenolic O–H: HAT versus PCET Reactivity of a Phenoxyl Radical Complex of Cobalt(II)
44	Venkatesan Sindhuja	National College (Autonomous), Tiruchirappalli	PP-44	Biscopper(II) Complexes Based on Thiophene as Functional Models for Copper Oxidases
45	Abhijit Saha	IIT kanpur	PP-45	Photochemistry of Ru(II) Polypyridyl Complexes bearing P(III)-based Monodentate Ligand
46	Ajay Vishwakarma	BHU	PP-46	Design, Synthesis, Structural Characterization, DFT Insights, and Electrochemical Studies of Cu(II) Complex with 4-nitro-(thiophen-2-ylmethylene)-benzohydrazide
47	Ambika Devi	IIT Jammu	PP-47	Tuning of Redox and Chemical Events in Iron and Zinc Complexes of Hybrid Redox Non-Innocent Azo-Imine Ligands
48	Amirthalingam Arunkumar	Central University of Tamil Nadu	PP-48	Selective and Efficient Sensing of Nitroaromatic Explosive-picric acid by Copper(I)-phosphine Complexes of 2N Ligands
49	Anasuya Maji	IIT Bombay	PP-49	Synthesis of Axial Bonded Triphyrin(2.1.1)-Metalloporphyrin Aromatic Aromatic and Antiaromatic-Aromatic Dyads
50	Anju Pal	IIT Roorkee	PP-50	Redox Reaction Beyond Thermodynamic Prediction: A Case Study Showing the Role of Au(V) Intermediate
51	Anwesha Mohanty	IIT Bhubaneswar	PP-51	Effect of Planarity of Ancilliary Ligands and Lability of Chloride Group in a Series of Ruthenium (II) Complexes on DNA Binding Mode
52	Ashwani Kumar	D.S College Aligarh, U.P	PP-52	Synthesis, Characterization, Biochemical Behavior of Molybdenum (VI) Complex and its Use as Precursor for Metal Sulphide Nanocrystals
53	Avinash Chettri	University of Potsdam, Potsdam, Germany	PP-53	Investigating the Light-Induced Dynamics of a Phototoxic Ru (II)-Based Photosensitizer, TLD1433, in Biologically Relevant Environments.

54	Ayantika Das	IIT Delhi	PP-54	Coordination Behaviour of Carbene Supported Imono Ligands at Alkali Metal Bis(trimethylsilylamide)
55	Ayyan Ghosh	IIT Kharagpur	PP-55	Utilizing Carboxylates in Secondary-Sphere of a Ruthenium Complex for Superior Water Oxidation Catalysis
56	Chandrani Pal	IIT kanpur	PP-56	Nano-Size Trizinc(II) Porphyrin Trimers: A Fluorescence Probe with Tunable Flexibility and Optical Properties
57	Dipanjana Sarkar	IIT Jodhpur	PP-57	Tuning Electrocatalytic HER through Metal–Ligand Interactions: Insights from Fe (III) and Co (III) Aminophenol based Complexes
58	Diptee Mitra	University of Lucknow	PP-58	Synthesis and structural characterization of Co(II) complex with oxadiazole derivatives and its biological application
59	Himanshu	Central University of Rajasthan	PP-59	Exploring the Anticancer Potential of 2-bis(quinolin-2-ylmethylene) Based Half-Sandwich Ruthenium (II) Arene Complexes
60	Jyoti Sharma	IIT Hyderabad	PP-60	Dual-Ligand Perspectives in Cesium Coordination Polymers: Iminopyrrole- and Bis(chalcogenophosphinoyl)methanide -Supported Architectures for ROP Catalysis
61	Kajal	IIT (ISM) Dhandbad	PP-61	Coordination Clusters with [Ni ₄ O ₄] Core as Catalysts for α -Alkylation of Ketones with Benzyl Alcohols
62	Komal gupta	BHU	PP-62	N-Heterocyclic Imidazole Fusion to form Organo-Chalcogenone of Pyridine and their complexes of Bismuth(III)and Zinc(II) halides
63	Koshis Kumar Pradhan	IIT Kharagpur	PP-63	A Self-healable Zinc(II) – Metallohydrogel for Congo Red Dye Uptake and as a Catalyst in the Cycloaddition Reaction of Epoxide with Carbon dioxide
64	Manikumar Athan	Bharathidasan University, Tiruchirappalli, Tamil Nadu	PP-64	Synthesis, Structure and Characterisation of Transition Metal Carbonyls Involving Pyrazolyl Ligands and Application as CO Releasing Molecule

65	Meenakshi Khanna	IIT (ISM) Dhandbad	PP-65	Coumarin-Thiosemicarbazone-Based Fluorescent Sensor for Zn ²⁺ and Cu ²⁺ : AIEE, Solid-State Sensing, and Intracellular Fluorescence Imaging
66	Neetu	NIT Delhi	PP-66	Ca(II)@4-Benzamidobenzoic Acid Coordination Polymer: A Cost-Effective Heterogeneous Catalyst For Bio-inspired Benzimidazole Synthesis
67	Pooja Bhardwaj	J.C. Bose University of Science & Technology, YMCA, Faridabad,	PP-67	N, S-Donor Amide Ligand [H ₂ L] and its Ni (II) metal Complex: Design, Spectroscopic Investigations, and X-ray Structure.
68	Pravesh Kumar	Manipal Institute of Technology Bengaluru, Manipal Academy of	PP-68	Multifunctional Oxazolidine Based Copper Catalyst: Oxygen-Hydrogen Evolution Reactions and Biomimicking activities
69	Reena Jangra	IIT Roorkee	PP-69	Electron-rich β -Tetrathiophenyl Porphyrins: Synthesis, Structural, and Redox Properties and Their Application as Hole-Transporting Materials in Photodetectors
70	Riya Patel	BHU	PP-70	Synthesis and characterization of dithiocarbamate Cobalt (III) complexes and its optoelectronic Application
71	Sangeeta Jatiwal	School of Physical Sciences, Jawaharlal Nehru University	PP-71	Polyoxometalates-Based Metal–Viologen Pho
72	Teenu Singh	IIT Roorkee	PP-72	Thriving the Biological and Catalytic Potential of Vanadium Complexes of Phenylhydrazinecarbothioamide Based ONS Donor Ligands
73	V Swapna	Goa University	PP-73	Chemistry of Metal Carboxylates Containing N-Donor Ligands- Synthesis, Characterisation, and Applications.
74	Vinod J	Manipal Institute of Technology Bengaluru, Manipal Academy of Higher	PP-74	Tripodal Schiff Base Derived Cd(II)–Ln(III) Heterometallic Complexes as Selective Fluorescent Sensors for Picric Acid
75	Abhinav Yadav	University of Delhi	PP-75	Optimized Mo-Doped Ni ₂ P Nanorings: A Pathway to Efficient Hydrogen Production via Seawater Electrolysis

76	Anjali Mishra	BHU	PP-76	Synthesis, Structural Characterization, and Electrocatalytic Hydrogen Generation Activity of fac-Tris(β -Oxodithioester-O ⁻ S)Cobalt(III) Complexes
77	Aritra Guha	IIT Bombay	PP-77	Copper Outmatches Cobalt for Dual Active CO ₂ /CO Conversion with Unique Molecular Catalyst Design
78	Ashish Kumar Yadav	Rajiv Gandhi Institute of Petroleum Technology, India.	PP-78	Synergized Nano-interfaced Ultrafine FeNiP Nanoparticles Embedded into Amorphous FeNiO Nanosheets for Ampere-Level High Current Density Water Oxidation
79	Balakumaran Kamaraj	IIT Kanpur	PP-79	Hydrogen Generation from Stainless-steel Scrap as Electrodes and RO Reject as Electrolyte: A Sustainable Electrolysis Approach
80	Deepak Kumar	IIT Dharwad	PP-80	Nitrate Reduction Enabled by Nuclearity-Dependent Reactivity of Nickel Thiolate Nanoclusters
81	Fareen Umar	IISER Bhopal	PP-81	High Entropy Metal Phosphate Pre-catalyst For Oxygen Evolution Reaction
82	Harshit Gupta	BHU	PP-82	Regulation of the Second Coordination Shell of Ruthenium Single Atoms for Improved Acidic Hydrogen Evolution Reaction
83	Hirak Kumar Basak	IIT Delhi	PP-83	Enhancing the Valence Band Charge Localization via Zinc Doping into MnWO ₄ to Promote Selective Ammonia Electrooxidation
84	Khanindra Kalita	IIT Indore	PP-84	Reversible Formic Acid Dehydrogenation and CO ₂ Hydrogenation to Formic Acid Over Ruthenium-imidazolyl Amine Complexes–ligand Tuned Catalytic Activity
85	Mahesh Jadhav	Savitribai Phule Pune University, Pune	PP-85	Synthesis and Structural Elucidation of Functionalised Naphthoquinone Derivative for Energy Application
86	Neha Clare Minj	IIT Kanpur	PP-86	Repurposing Cu Scrap into a Multi-Functional Catalytic Anode for Energy Conversion Reactions

87	Pabitra Mandal	IISER Bhopal	PP-87	Catalytic CO ₂ -Hydrogenation with Molecular Cobalt-NHC Complexes
88	Pavan Bavanavar	IIT Dharwad	PP-88	Ni ₆ L ₁₂ Cluster Catalysed Electrocoupling of Nitrate and Carbon dioxide to Urea
89	Pracheta Trivedi	IIT Kanpur	PP-89	Galvanic Displacement Strategy for Fabricating Pt–Decorated Cu Electrodes Towards Efficient HER
90	Samarpita Das	IEST Shibpur	PP-90	Ce and Co Incorporated Covalent Organic Polymer Based on Tetraethylene Glycol-Linked Porphyrin as a Trifunctional Catalyst for Water Splitting and Zn–Air Batteries

DAY-2, 19th December, 2025

S.No	Name	Affiliation	PP No.	Title of Abstract
1	Sandeep Yadav	IIT kanpur	PP-91	Ni–Fe MOFs-Derived Hydroxides for Oxygen Evolution: Mechanistic Insights via Chemical Probes and pH Studies
2	Saswati Ray	IISER Bhopal	PP-92	Nucleobase-NHC Hybrid Ligand-Templated Molecular Mn Complexes toward Electrocatalytic CO ₂ -to-HCO ₂ H Reduction Reaction
3	Shalinee Dubey	BHU	PP-93	Engineering metal macrocycles-carbon composites for stable and efficient oxygen reduction
4	Shalini Sanjay Mishra	University of Hyderabad	PP-94	Intercalating a Potassium–Aqua Complex Cation into an α -MoO ₃ Layer without Reducing Molybdenum: A Potential Storage System
5	Sneha Mittal ¹	IIT kanpur	PP-95	Electrochemical Corrosion-Directed Conversion of Moderately Active NFC Electrode into A High-performance Anode for OER
6	Subarna Sukanya Padhy	IISER Tirupati	PP-96	CO ₂ -derived Dimethyl Carbonate as Hydrogen Carrier
7	Sujeet Pandey	BHU	PP-97	Enhanced Water Oxidation via Vanadium-Induced Electronic Modulation in Mixed Metal Selenides
8	Sushmita Sushil	Amrita Vishwa Vidyapeetham, India	PP-98	Synergistic Study of Novel Dicationic Triazolium Electrolyte and Activated Carbon Electrode with Nickel foam and Stainless steel as current collector
9	Thillai Natarajan M	IIT (ISM) Dhandbad	PP-99	Cu(II)-Assisted Electro-oxidation of Ammonia to Green Hydrogen Through Hydrazine Pathway

10	Vaishnavi Yerkar	Savitribai Phule Pune University, Pune	PP-100	Anthocyanin-derived chromophores as a natural photosensitizer in Dye-sensitized solar cells
11	Vandana	University of Delhi	PP-101	Electrocatalytic Investigation of Mononuclear Co(II) Schiff Base Complexes for Proton Reduction
12	Allepuram Rameshwari	University of Hyderabad	PP-102	Internal Electric Field Developed at the Interface Between CoNiP Core and ZnIn ₂ S ₄ Shell Leading to Efficient Charge Separation for Photochemical Hydrogen Evolution
13	Anay Saha	IEST Shibpur	PP-103	Room temperature palladium-catalyzed synthesis of novel bioactive unsymmetrical diamide scaffolds containing moieties of α -ketoester via a homogeneous Pd(IV) intermediate triggered
14	Arkopal Das	IISER Berhampur	PP-104	Cooperative Nickel Catalyst Bearing Tetradentate Ligand Scaffold Utilized for Dehydrogenative Coupling of Alcohols and Internal Alkynes
15	Aruntima Das	Jadavpur University, Kolkata	PP-105	Functional Integration of [Ir(ppy) ₂ (bpy)] and a Molecular Nickel Complex into Metal–Organic Frameworks for Photocatalytic Carbon Dioxide Reduction
16	Arya Singh	IIT Roorkee	PP-106	An Iron-Catalyzed Sustainable Functional Group Transfer Strategy of Organic Sulfides to Sulfoxides by a Hydroxylamine-Derived Oxidant: Mechanistic Insights into the Reductive N–O Bond Cleavage
17	Bharath M	Ashoka University	PP-107	Molecular Engineering of Pyridine-2,6-disubstituted Iron Complexes for Hydrogen Generation
18	Bhawana Shekhawat	MNIT Jaipur	PP-108	C-H Functionalization of 9H-fluorene using Cu(II)-triazolyl-pyridine Complexes via Borrowing Hydrogen Strategy
19	Dev Raj	IIT(ISM) Dhanbad	PP-109	Molecular Cu(II) complexes as an electrocatalyst for oxygen evolution at an alkaline pH
20	Divyansh Dhiman	IIT Roorkee	PP-110	Efficient and Robust Oxido-Molybdenum(V) Corrole Catalysts for CO ₂ Utilization

21	Fizzah Fatima	IIT Hyderabad	PP-111	Robust Dehydrofluorination of HFC-245fa to HFO-1234ze via In-Situ VOFx Formation over Non-Oxalic acid assisted V2O5 / γ -Al2O3 Catalyst
22	Hemant Rawool	IIT Bombay	PP-112	Electrochemical Screening of Nickel, Copper, and Manganese meso-Aryl Dipyrinato Complexes Probing Electrocatalytic Hydrogen Evolution
23	Kailash Mohar	IIT Guwahati	PP-113	Exploring the Potential of a Non-Phosphine Cobalt System for Alco
24	Keshav Sharma	IIT Roorkee	PP-114	Bio-inspired Zn-complex, a potential functional analogue of alcohol dehydrogenase enzyme and its catalytic applications for the synthesis of N-heterocycles
25	Keya Roy	IEST Shibpur	PP-115	Reusable, Iron-Copper Catalyzed (CSP2–N) Cross-Coupling Enabled Access to N-Arylamides as Potential Antibacterial and Anticancer Agents: Investigating the Oxidation State of Heterogeneous Active
26	Kritika Dogra	Shiv Nadar Institution of Eminence Deemed to be University UP	PP-116	Investigation of the True Catalyst: A Binuclear Ni-NHC Complex for Water Oxidation
27	Md. Adnan Khan	Birla Institute of Technology-Mesra, Ranchi,	PP-117	Electrocatalytic hydrogen evolution via copper-terpyridyl mono nuclear complex in homogeneous aqueous medium and after incorporation of graphene oxide to immobilize on Glassy carbon
28	Mohd Farhan Ansari	IIT (BHU)	PP-118	Heterogeneous Manganese Catalyzed Selective β -Alkylation of Secondary Alcohols by Primary Alcohols through Double Hydrogen Autotransfer
29	Naveenkumar K	Vellore Institute of Technology, Vellore	PP-119	Phosphine-Free Ruthenium Arene Catalysts: A Green Approach to Acceptor-Less Dehydrogenation for Alcohol and Quinoline Production
30	Palak Kumari Jaiswal	IIT(ISM) Dhanbad	PP-120	Manoeuvring Organo-electrocatalytic Selective CO2 Reduction to CO by Terpyridine Derivatives: DFT Mechanistic Exploration
31	Pankaj Kumar	Ashoka University, Sonipat	PP-121	Buffer pKa dependent hydrogen evolution catalyzed by cobalt Bis(pyridylmonoimine) complex in water

32	Payal Sharma	Central University of Rajasthan	PP-122	Selective N-Alkylation of Amines using Alcohols Catalyzed by Tailor-Made Ruthenium Complexes of Bidentate N,N-Ligand
33	Preeti Kang	Indian Institute of Technology Jodhpur	PP-123	Sustainable Solid Acid Catalysts for Aqueous-Phase Conversion of Cellulosic Biomass to Biofuels and Fine Chemicals
34	Rahul Chauhan	IIT Roorkee	PP-124	Alcohol-derived synthesis of triaryl pyrazolines and bis(indolyl)methanes catalysed by tetrazene-based cobalt catalysts
35	Rhitwika Chowdhury	IIT Kanpur	PP-125	3-Pyridonate Functionalized Tetradentate Ni(II)-NHC Catalyst for CO ₂ Reduction: Selective N-Functionalization of Amines to N-Formamides and N-Methylamines
36	Rohan Dey	IIT Bombay	PP-126	Aerobic Oxidative Coupling of Isonitriles with 2-Aminophenols and 2-Aminothiophenols Yielding Benzoxazoles and Benzothiazoles Catalysed by Cobalt(II) Complexes
37	Rohitash Kumar	NIT Jalandhar	PP-127	Enhanced Photocatalytic Activity of β -Cyclodextrin Capped Carbon Dot-Based Synergistic Fe ₂ O ₃ Nanocomposites for Emerging Pollutant Degradation
38	Sarban Kumar Yadav	Shiv Nadar Institution of Eminence, Deemed to be University, Greater Noida	PP-128	Enantioselective C(sp ³)-H Chlorination by Ni(II)-CTAmide complex
39	Selvaraj Shanmugavadivel	National College (Autonomous) affiliated to Bharathidasan University,	PP-129	Cytosine-Derived Monocopper(II) Complexes: Multifunctional Catalysis and Anticancer Activity via Greener Pathways
40	Shamim Islam	Tezpur University	PP-130	On Water C-H Bond Oxidation of Benzyl Alcohol by Heterogeneous Co(II)-Zeolite-Y through Non-Radical PMS Activation
41	Shivani Rathi	IIT Roorkee	PP-131	Utilization of β -Functionalized Oxidovanadium Porphyrins as Efficient and Recyclable Catalysts for the Synthesis of Bioactive Pyranopyrazoles
42	Smruti Rekha Padhy	IISER Tirupati	PP-132	Transition-Metal-Catalyzed Direct Allylic C(sp ³)-H Arylation of Olefins

43	Sneha Ray	Jadavpur University	PP-133	Electrochemical CO ₂ Reduction to CO by a Series of Dimeric Thiosemicarbazone Rhenium(I) Catalysts
44	Souvik Kundu	IIT Kharagpur	PP-134	Efficient and Sustainable Degradation of PET Using Simple Air-Stable Terpyridyl Based Ru(II) Catalysts
45	Subarna Kar	IIT Madras	PP-135	Efficient Synthetic Approach to m-Terphenyl Derivatives via Arylation of Azolium Salts
46	Sundharrajan Jegadeesan	IIT Kanpur	PP-136	Synthesis of Cyclic Carbonates under Ambient conditions: Role of (Hydroxy) Pyridonate Functionalized Imidazolium Zincate and Zinc(II) complexes as catalysts
47	Suprakash Sahoo	IIST Shibpur	PP-137	Palladium-Catalyzed Decarboxylative Cross-Coupling of 2,4-Dienoic Acids and Aryl Halides: Access to Fluorescence Active (E,E)-1,4-Diarylbutadienes
48	Supriya Das	IIT Kharagpur	PP-138	Design and Development of Metallo-BODIPY Hybrid Conjugates as an Effective Photosensitizer for Sustainable Photocatalytic Organic Transformation
49	Tapas Mahata	IIT Kharagpur	PP-139	Cationic Ru(II) Catalyzed N-Alkylation of Amides with Benzylic Alcohols: A One-Pot Strategy toward Antiemetic Drugs
50	Tonmoy J Bora	Tezpur University	PP-140	UV Light Driven Suzuki–Miyaura Cross-Coupling Reaction over ZnO Photocatalyst with Ultra-low Pd and Ru Loading
51	Kanishka Raghuvanshi	BHU	PP-141	Aggregation-Driven NIR-II Luminescence in a Pr(III) Polymer chain with pyridine-2,6-dicarboxylic acid: A New Frontier in Lanthanide Photophysics
52	Uttam Sarkar	NIT Raipur	PP-142	Tunable White Light Emission from Lanthanide Schiff Base–PMMA Composite Films
53	Biplab Mahata	CSIR-National Chemical Laboratory, Pune	PP-143	Mastery of Magnesium in Transition Metal-Free Catalysis

54	Chhavi	IISER Bhopal	PP-144	Design, Synthesis, and Antibacterial Activities of Multi-functional C2-Functionalized 1,4-Naphthoquinonyl Organoseleniums
55	Chinmoy Majumder	IIT Delhi	PP-145	Cyclic Alkenyl Amino Carbene (SMeCAenAC): Introducing a Member to the Cyclic Alkyl Amino Carbenes Family Featuring a Narrow Energy Gap
56	Dharmveer Bhedi	Central University of Rajasthan	PP-146	A Facile Green Synthetic Route for C-C Bond-Forming Reactions of Naphthalenemethanol with Various Substituted Arenes Mediated by Bi(OTf) ₃
57	Jogendrananda Barik	IIT Madras	PP-147	N-formylation of Amines using Anilido-pyrazolate Ligand Supported Germylene
58	Pallabi Mondal	IIT(ISM) Dhanbad	PP-148	Hypervalent Sn(IV) compounds as efficient catalysts for the synthesis of xanthene derivatives
59	Raj Kumar Sahani	BHU	PP-149	Studies on indium(III) furan-2-thiocarboxylates and their catalytic activity toward multicomponent reactions
60	Souvik Goswami	Indian Institute of Technology Bhilai, Durg, Chhattisgarh	PP-150	Unveiling a metal-free synthesis of imidazolones
61	Sudipta Chakraborty	IIT(ISM) Dhanbad	PP-151	Element Ligand Cooperativity of Mononuclear Organotin (IV) Compounds for Hydroboration Reactions of Aldehydes
62	Tanya Batra	IIT Delhi	PP-152	Heavier Analogs of Bis(germaamides) Stabilised Through a Pyrrole-Imine Dimeric Ligand
63	Vishakha	IIT Delhi	PP-153	Activation of the E-X Bonds of Molecules by a Bis(germylene) (E = C, Ga, Ge, Sn, Ag and X = Cl, Br, I)
64	Vishal Singh	IIT Delhi	PP-154	Dianion separated Bis(Stannylene) Cations: Highly Efficient Catalysts for Aldehyde Hydroboration

65	Yashdeep Maurya	IIT Roorkee	PP-155	Unveiling the Potential of Bismuth in Homogeneous Electrochemical Proton Reduction
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68	Aditya Kamal	IIT Kanpur	PP-158	Exploring tetrazine-viologen in high-performance electrochromic devices
69	Agamoni Pathak	National Institute for materials Science (NIMS), Tsukuba, Japan	PP-159	Electrochemical Fabrication of Reduced Graphene Oxide Hybrid Thin Films Using Bifunctional Metal Salt Electrolytes
70	Ainam Payang	NIT Rourkela	PP-160	Structural Phase Transition in 0D (TMBA) ₃ Bi _{2-2x} Sb _{2x} Cl ₉ . Metal Halides: Expression of the Lone Pair Effect and Polyhedral Distortion
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73	Amit Kumar Singh	BHU	PP-163	Smart Luminophore Integrating AIE, Mechano-/Thermo-/Viscochromism, and Dual Zn ²⁺ /Cu ²⁺ Detection for Live-Cell Imaging
74	Amit Nagar	IIT Ropar	PP-164	Isomeric Cyano-vinylene-linked Covalent Organic Frameworks and Their Impact on Photocatalytic Hydrogen Evolution
75	Anannya Sahaw	IIT Kharagpur	PP-165	A Copper(I/II) – Metallohydrogel as a Reusable Catalyst in the Copper-Catalyzed Alkyne-Azide (CuAAC) Cycloaddition Reaction

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78	Chhanda Mondal	IIT Kharagpur	PP-168	Zn(II)-Metallopolymers with Thermally Induced Self-Healing and Iodine Capture Capability
79	Dipali Pawar	Savitribai Phule Pune University, Pune	PP-169	Naphthoquinone oxime ligand-based metal complexes as a catalyst for alcohol oxidation.
80	Glory James	IISER Thiruvananthapuram	PP-170	Ligand-Free Au ₉ Nanocluster Templated Growth of Zirconium-Base
81	Gourab Hati	IIT Kharagpur	PP-171	Synergistic Effect of 2D/3D Oxide-Hydroxide Hybrid With PDMS for High-Capacitance Symmetric Supercapacitors
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83	Huidrom Mangalsana	CSIR- Central Leather Research Institute (CLRI), Chennai	PP-173	Redefining Biomimetic Catalysis: A Smart 2D Nanozyme Exhibiting a Unique Product-binding Activated LMCT Signalling Mechanism During Catalytic Nerve Agent Degradation
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85	Lavkesh Kumar	Dr. Harisingh Gour University (A Central University), Sagar	PP-175	Doping Driven Tunability of Photo-dependent and Photo-independent Antibacterial Therapies Using Indium Sulphide Nanoparticles
86	Manoj Kumar Baskey	IACS Kolkata	PP-176	Evaluation of Metallogelation and Biological applications of L-Phenylalanine-Based Zn(II) Coordination complex-derived nanomaterial

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92	Paltu Kumar Giri	IIT Ropar	PP-182	Designing Functionalized Metal-Organic Frameworks for C–H Bond Carboxylation to Produce Valuable Compounds by the Utilization of CO ₂
93	Parul Aggarwal	IISER Bhopal	PP-183	Temperature-Dependent Synthesis of Robust Ultrathin Cobalt Oxide Nanomesh for Oxygen Evolution Reaction
94	Parul Yadav	IIT Roorkee	PP-184	Synergistic effect of ultrasonication-induced surface activation and A-site Sr/Ba distribution unlocks cocatalyst-free hydrogen evolution in Sillén-Aurivillius photocatalysts
95	Pradeep Sachana	IIT Kanpur	PP-185	Electrosynthesis of Molecular Memory Elements†
96	Pranaya Mohanty	IIT Kanpur	PP-186	Persistent Photoinduced Charge Transport Enabled by Rigid Pyrene-Metal Coordination
97	Prasad C. Walimbe	P. Mandali's, Sir Parashurambhau College, Tilak Road, Maharashtra,	PP-187	Reaction–Diffusion Routes to Engineer Functional Mo-based Heterostructures for Electrocatalysis and Energy Storage

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101	Roopal Pal	Special Centre for Nano Science, Jawaharlal Nehru University,	PP-191	Pharmaceutical Cleanup: Ag^+ and Co^{+2} incorporated $\text{K}_2\text{La}_2\text{Ti}_3\text{O}_{10}$ for Photocatalytic Ciprofloxacin Degradation
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103	Sesadeva Mallick	NIT Rourkela	PP-193	MFO@BOB@Ag Heterostructure for Enhanced Photocatalytic Removal of Water Pollutants"

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6	Sumana Podder	AcSIR Ghaziabad	PP-199	Probing Under-Utilized Melem as Host Scaffold with Strategic Modulation of Cobalt Oxidation State to Accelerate Alkaline Water Splitting
7	Suparno Debnath	IIT Kharagpur	PP-200	Toroidal Nickel(II)-Thiolate Nanoclusters as Recyclable Catalysts for the Reductive Functionalization of Nitroarenes with Olefins
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10	Anshul Yadav	Banasthali Vidyapith, Newai,	PP-203	Azomethine-Based Co (II) and Mn (II) Complexes: Synthesis, Characterization, and Biomedical Potential
11	Astha Kamboj	Banasthali Vidyapith, Banasthali	PP-204	Lanthanide Schiff Base Complexes: Emerging Prospects in Cancer Treatment
12	Ayushi Chaudhary	IIT Kanpur	PP-205	Cuproptosis Induction by Cu(II) Complex in Metastatic Triple-Negative Breast Cancer
13	Ayushi Yadav	School of Physical Sciences, Jawaharlal Nehru University	PP-206	Photoinactivation of Multidrug-Resistant Bacteria and Biofilms Using Cyclometalated Iridium(III) Complexes
14	Deepika Chauhan	School of Physical Sciences, Jawaharlal Nehru University	PP-207	Ultrasensitive Detection of NAD(P)H in Aqueous and Cellular Media Using Red-Emitting Iridium AIEgens
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17	Pritha Chatterjee	IIT Kanpur	PP-210	A Water-soluble photolabile ruthenium(II) complex with a terpyridyl-dicarboxylate ligand: photocytotoxicity triggered by structural strain
18	Riya Kumari	BHU	PP-211	The impact of aromatic ring count on the cytotoxic potential of Copper(I) complexes against human cervical cancer cells-HeLa.
19	Swati Singh	BHU	PP-212	In vitro and in vivo assessment of antitumor activity of Ni(II) and Pd(II) complexes derived from thiourea-based ligands
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72	Ashok Kumar	IIT Kharagpur, Kharagpur, India	PP-265	PCP Pincer Carbene Nickel and Palladium Complexes, and DMSO as Catalysts for Reductive Functionalization of CO ₂
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78	Girbide Amitkumar Ramakant	Indian Institute of Technology Hyderabad, Kandi, Telangana- 502 285 India.	PP-271	Probing the nature of intramolecular (sp ³)C–H...Cu(i) interactions in organo thione copper(i) cages
79	Gopendra Muduli	Indian Institute of Technology Hyderabad, Sangareddy, Telangana,	PP-272	Luminescent Copper(I) Picolyl Benzimidazole-Based Coordination Polymers for Optoelectronic and Security Applications
80	Javed Ali	Banaras Hindu University, Varanasi, India.	PP-273	High Catalytic Efficiency and Selectivity in Ketone Transfer Hydrogenation Using Arene Ruthenium Pre-catalysts with Isopropanol as Proton Donor
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86	Manisha	Malaviya National Institute of Technology Jaipur, JLN Marg, Jaipur - 302017, Rajasthan,	PP-279	Iron-Water Synergy for Green Transfer Hydrogenation and Reductive Amination Reaction

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89	P. R. Amrutha,	CSIR-National Chemical Laboratory, Dr. Homi Bhabha Road,	PP-282	Synthesis and Reactivity of of NHC Stabilized Boriranes
90	Pallivi Jagota	Dhanalakshmi Srinivasan University, Tiruchirappalli, Tamil Nadu, India.	PP-283	S,N-Coordinated Rhenium(I)–Sulfuryl Thiourea Complexes: Design and Application in Water Splitting
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94	Rajni	Centre of Advanced Studies in Chemistry, Panjab University, Sector-14, Chandigarh-	PP-287	Ferrostatin-based 1,3-Benzoselenazoles: Synthesis, Antioxidant, and In Silico Ferroptosis Inhibitory Activities
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109	Ayan Ghosh	Indian Institute of Technology Madras, Chennai 600036, India	PP-302	Template Induced Orientational Selectivity of Ligands in a Double Cavity Coordination Cage
110	D. John	Indian Institute of Technology Madras, Chennai 600036, India	PP-303	Ligand Isomerism in Palladium(II)-Based Coordination Cages
111	Debasish Mandal	IIT Bombay, Mumbai, India	PP-304	Dipyrroethene: An Emerging Chromophore for Material Science and Biology
112	Deepti Ahlawat	University of Delhi, Delhi, India	PP-305	Metal-Organic Frameworks Offering Hydrogen Bonding Cavities: Cavity-Specific Sensing and Catalytic Applications
113	Iti Ghosh	IACS, Kolkata, West Bengal	PP-306	Methyl-Induced Conformational Tuning of a Halogen Bond Donor Hexapodal Receptor
114	Jugmendra Singh	Deshbandhu College, University of Delhi, Kalkaji, New Delhi-110019, India	PP-307	Indole-Based CNS Donor ligated Ortho- and Peri-Cyclopalladate for Electrocatalytic Oxygen Reduction Reaction
115	K. Jiji	University of Hyderabad, Telangana, India	PP-308	Synthesis, Characterization and Photophysical Properties of 2,7,12,17 tetra-(p-tert-butylphenyl)dinaphthoporphycene and its Boron Complex
116	Kader Asfaque Nazibullah	IISER, Bhopal, India	PP-309	Light-Driven Conformational Modulation in a Photo-switchable Eight-Crossing Molecular Knot
117	Kamna	Indian Institute of Technology (IIT) Jammu, Jagti, Jammu & Kashmir,	PP-310	Completely o-Phenylene Bridge N4-Cyclophane: A Missing Link in the Phenylene Bridge N4-Cyclophane Family
118	Kongki Gogoi	Indian Institute of Technology Tirupati, Tirupati, India	PP-311	Designing Redox-active Hybrid Molecular Analogues for Energy Storage Applications
119	Kusum Boora	University of Delhi, Delhi, India	PP-312	Metal Synergy and Cavity Engineering in Multimetallic Complexes for Visible-Light Photocatalysis

120	Meenakshi	University of Delhi, Delhi, India	PP-313	Rational Design of Metalloligand-Based MOFs for Tailored Visible Light-Driven Photocatalysis
121	Meenakshi	J.C. Bose University of Science & Technology, YMCA, Faridabad, 121006	PP-314	Design and Development of Cu@Hybrid Framework Exhibiting Enhanced Peroxidase-Like Activity
122	Monotosh Dalapati	National Institute of Science Education and Research (NISER), Khurda 752050,	PP-315	Self-Assembled Porous Coordination Cages for High-Performance Iodine Capture from Vapor and Aqueous Media
123	Pragati R Sharma	Indian Institute of Technology Jodhpur, Jodhpur, India-342030	PP-316	α -Methylbenzylamine Functionalized Crown-Ether Appended Calix[4]arene Phase Transfer Catalyst for Enantioselective Henry Reaction
124	Prioti Choudhury Purba	University of Sheffield, Sheffield, United Kingdom	PP-317	Exploiting Weak Supramolecular Interactions to Form Ultrathin Nanosheets
125	Soumya Dey	IISc Bangalore, Bangalore 560012, India.	PP-318	Post-Assembly Modification of a Metal-organic Cage and Fullerene Encapsulation to Synergistically Enhance its Photocatalytic Performance under Visible Light
126	Subham Mandal	Indian Association for the Cultivation of Science, Kolkata-32, India	PP-319	Halogen bonding assisted chemo-selective C-Br bond arylation over C-I bond using palladium complexed a new pyridine-based macrobicycle
127	Tanmay Chanda	Indian Association for the Cultivation of Science (IACS), Jadavpur, Kolkata, West	PP-320	Investigation of Anti-melanoma Activity of a Topical Gel from Nitrile Functionalized Zn(II) Coordination Polymer
128	Tapaswini Sethi	Jawaharlal Nehru University, New Delhi	PP-321	Tuning of Thermal Expansion Properties of Mixed-Ligand MOF by Ligand Variation
129	T. Dakua	Indian Institute of Technology Madras, Chennai 600036, India	PP-322	Linearly Conjoined Multi-Cavity Discrete Coordination Cages: Molecular Soybeans
130	Umang Kumar	Indian Institute of Technology Ropar, Rupnagar, India	PP-323	Machine Learning-Assisted Fluorescence Sensor Array for Detection and Discrimination of Biogenic Amines in Real Food Samples

131	Akhilesh Sharma	IIT Roorkee	PP-324	B–B Sites in Molten Boron Oxide are Superior to Cyclic B–O–B Sites for Methane Oxidation to Formaldehyde and Carbon Monoxide
132	Gursahib Singh Sethi	Max Planck Institute for Chemical Energy Conversion, Mülheim and der Ruhr,	PP-325	Understanding the Experimental Observations of Se-Incorporated Mo-Nitrogenase Resting State through QM/MM Studies
133	Simranjeet Kaur	CSIR-National Chemical Laboratory, Dr. Homi Bhabha Road, Pashan, Pune	PP-326	Mechanistic Insights into Zirconocene-Catalyzed Ethylene/1-Octene Copolymerization: Kinetic Hindrance Governs α -Olefin Insertion
134	Soumyajit Karmakar	IIT Kharagpur	PP-327	Outer-Sphere Ligand-to-Metal Charge Transfer in an Fe(III)-Bimetallic Photocatalysts: Insights from Excited State Calculations
135	Dhanveer Singh Rawat	NIT Delhi	PP-328	Inorganic Pollutant Driven Ensemble Learning Framework Integrating Environmental Parameters for Air Quality Prediction in Delhi, India
136	Krishna Kumar M S	School of Physical Sciences JNU	PP-329	Naphthalene Diimide Radical Ion Qubits: Probing Relaxation and Nutation Dynamics
137	Parna Pramanik	IIT Kharagpur	PP-330	Synthesis, Crystal Structure, Electronic Structure and Magnetic Properties of $\text{Ni}_3\text{Ge}_{2-x}\text{Sb}_x$ ($0 \leq x \leq 2$)
138	Khushboo Aggarwal	University of Delhi	PP-331	Ag-Modified ZnO@SiO_2 Core-Shell Nanocatalysts for Photocatalytic Degradation and Catalytic Reduction of Organic Pollutants
139	Karambir	JNU	PP-332	Sustainable removal of cationic dyes using Pistacia Vera Testa-derived nanoparticles: Experimental Validation and Theoretical studies
140	Prabhat Dwivedi	BHU	PP-333	Dual mode responsive fluoro chromogenic probe enabling Cu^{2+} detection with DFT insights and biological support