

POSTER ABSTRACT ACCEPTED FOR CRSI-NSC-32 to be held at BITS Pilani, Pilani Campus (February 2-4, 2024)

Poster Session 1, P1-147: February 2, 2024 2.00 PM - 4.00 PM

Poster Session 2, P148-294: February 3, 2024 2.00 PM - 4.00 PM

Poster No.	Presenting Author	Title of the poster
P-1	A M Shanmugesh	Reactivity and mechanistic perspectives for the oxidation of cyclic ketones by 3,5-dimethylpyrazolium chlorochromate
P-2	A Vamshi Krishna	Design and synthesis of 4-amino-1,8-naphthalimide Tröger's base polyimide as organic electrode material for battery applications
P-3	Aarya	Rapid detection of Ag(I) via size-induced photoluminescence quenching of biocompatible green-emitting, l-tryptophan-scaffolded copper nanoclusters
P-4	Aayoosh Singh	Fluorescent probe based on coumarin for selective detection of Cu ²⁺ and Zn ²⁺ : Unveiling its multifunctional photochemical properties
P-5	Abhijit Saha	Tuning the electronics of bis(tridentate)ruthenium(II) complexes with high ROS (¹ O ₂) generation: Modification to the ligand skeleton with varying the aromaticity beyond classical extended pi-conjugation group decoration
P-6	Abhishek Kulshrestha	Ring closing metathesis (RCM) based approach towards the synthesis of (+) kirkamide
P-7	Adithya K	Exploring lithocholic acid as the template for the formation of strongly coupled dye aggregates and highly photoluminescent nanotubes for artificial light harvesting application
P-8	Aditi Soni	Efficient synthesis of vinyl ethers functionalized with ferrocene and their use as optical sensors for gauging the presence of Cu ²⁺ ions
P-9	Ajeet Singh	Homogeneous photocatalysis driven by benzothiadiazole-based small organic molecular photocatalyst (SOMP) for oxidative coupling of amine to imine
P-10	Akhil Padmakumar	Molecular rotors with designed polar rotating acceptor groups of π-extended dyes for self-reversible mechanochromism
P-11	Alehegn Eskemech	Zn-MOF as single catalyst with dual Lewis acidic and basic reaction sites for CO ₂ fixation
P-12	Alka Karn	Porous organic polymer with free carboxylic acids (carboxy-POP) for heterogeneous catalytic one-pot synthesis of xanthenes and acridines

P-13	Amanda Ana Pinheiro	A carbon-dots-based pseudochemodosimeter approach for fluorescent turn-on detection of sulphide and fluoride ions
P-14	Amilan Jose D	Liposomes based nitric oxide (NO) donors and their therapeutic potentials.
P-15	Amit Debnath	Temperature-dependent kinetics of anti-CH ₃ CHOO with CH ₃ CHO: Experiment and theory
P-16	Amit Gharu	Computational studies on Ni/Cu/Zn-4f based molecular magnets
P-17	Amlan Kumar Pal	Efficient photocatalytic hydrogen production using Pt(II)-bis(quinolinyl) complexes
P-18	Amrita Rudreshwar Natekar	Green nanotechnology driven synthesis of metal nanoparticles and its modifications for medicinal applications
P-19	Ananda Shankar Mondal	Cr(III)-salen catalyzed regio-, chemo-, and enantioselective C3-aryloxylation reaction of spiro-epoxy oxindoles for the synthesis of 3-aryloxy-3-hydroxymethyl oxindoles
P-20	Ananya Dutta	Palladium-catalyzed aerobic oxidative spirocyclization of alkyl amides with maleimides via β -C(sp ³)-H activation
P-21	Anchal Singhal	Green synthesis of bis-imines and biological applications
P-22	Angana Mahanta	Electrochemical study of northeast Indian coal-water slurry for hydrogen evolution reaction
P-23	Anindya Roy	Plasmonic absorbance based fibre optic probe for selective detection of iron(II) in water
P-24	Anirban Panua	Organometallic complexes of doubly n-confused porphyrins
P-25	Anjali	Cuboctahedral In(IMTB)-MOF for sequestration of aqueous pollutant and remediation of wastewater treatment
P-26	Anjali Anand	Host induced supramolecular polymerization in aqueous medium with enhanced emission
P-27	Anju A K	Modulating ambient triplet harvesting through non-covalent sensitization in pyromellitic diimide organics
P-28	Annu Agarwal	Phosphorescent and bright emissive iridium(III) complex for luminescent detection of oxygen in cells
P-29	Antarlina Maulik	Dynamics in chiral diacetylenes: Modulation of chiroptical properties using solvent, ph and plasmonic interactions
P-30	Anup Kumar Pradhan	Metal-free ternary composite based bifunctional electrode for oxygen electrocatalysis impacting zinc-air battery
P-31	Anuvasita Parikh	Application of polymeric copper complex in the adsorption of Cr(III) and Cr(VI) ions from water
P-32	Apurva Mishra	Understanding huntington protein aggregation in cell mimicking environment

P-33	Arindam Kundu	Visible light induced metal free selenation of tryptamines/3-substituted indoles
P-34	Arjun V	Chiral transient ligand enabled enantioselective synthesis of atropisomers decorated with unactivated olefins via a palladium catalyzed C-H olefination
P-35	Asha Rolaniya and Akta Yadav	An experimental and kinetic assessment of oxidation of paracetamol by n-bromosuccinimide in presence of mercuric acetate - a mechanistic study
P-36	Ashif Iqbal	Two-chamber-enabled hydrogenation reactions using Al-H ₂ O/NaOH: Access to pharmaceuticals
P-37	Asish Pal	Biomimetic pH responsive peptide-polymer conjugate to model biopolymeric network for muscle contraction
P-38	Astha Dwivedi	Synthesis and application of chiral thiourea derivatives as chiral solvating agents
P-39	Astha Gupta	Ru single atom catalyst supported on NiCo ₂ O ₄ matrix for overall water splitting in alkaline medium.
P-40	Aswin P	Green approach on conversion of 5-hydroxymethyl furfural (HMF) to 2,5-bishydroxymethyl furan (BHMF) using CuAl-Mo catalyst
P-41	Atul Jankiram Dolas	Enantioselective direct synthesis of C3-hydroxyalkylated pyrrole via an amine-catalyzed aldol/Paal-Knorr reaction sequence.
P-42	Avinash Chaurasia	Design, synthesis and characterization studies of a series of Se ₃ N ₃ type organoselenium compounds & its interactive behaviour with d ¹⁰ metal ions
P-43	Bhawani	TBHP/FeCl ₃ -mediated mechanochemical synthesis of unsymmetrical 3,3' bis(indolyl)methanes
P-44	Bhawna Rawat	Utilizing the undesirable oxidation of lead-free hybrid halide perovskite nanosheets for solar-driven photocatalytic C(sp ³)-H activation : Unraveling the serendipity
P-45	Bhupesh Kumar Sharma	Design and synthesis of C-8 spiro-isoxazoline analogues of 14-deoxy-11,12-didehydroandrographolide (14-dda) for dual targeting of CDK4 and BCL2 mediated anticancer activity
P-46	Bidyutjyoti Dutta	A bifunctional task specific ionic liquid for metal free oxidative synthesis of quinazolin-4(3H)-ones
P-47	Bijoy Debnath	Palladium-catalyzed annulative coupling of spirovinylcyclopropyl oxindoles with p-quinone methides
P-48	Binal B Parmar	Synthesis and application of optically pure amino alcohols as chiral solvating agent
P-49	Bubul Das	Access to chromenopyrrole via tandem [3 + 2] cycloaddition and intramolecular C-O coupling

P-50	Celin Rooth	Design, synthesis, photophysics and applications of carbazole based organo gel
P-51	Chandrakanta Dash	One-pot domino synthesis of biologically relevant benzofuran and indole scaffolds using a series of well-defined palladium N-heterocyclic carbene complexes
P-52	Chandrani Pal	Modulation of supramolecular chirality by stepwise axial coordination in a nano-size metalloporphyrin trimer
P-53	Chandresh Kumar Patel	Copper-catalyzed C(sp ³)-H functionalization and annulation of 2-bromoaryl oximes with active methylene compounds towards synthesis of isoquinoline N-oxides
P-54	Chitra Gurnani	Novel nanohybrids for sustainable neuromorphic electronics
P-55	Darshana Deb	Amplification of circularly polarized luminescence via stereoselective energy transfer
P-56	Dashrat Vishambar Sutar	Direct intramolecular coupling of primary/secondary alcohols with secondary alcohols for the macrocyclic alkenylation using Ni-zeolite catalyst under continuous-flow
P-57	Debarghya Sarkar	Pentahelicenes in chirality sensing of amines – A tale of conformationally tuned chirality induction
P-58	Debashis Barik	Design and synthesis of tertiary amine-based sequence-defined oligomer for biomaterial applications
P-59	Debasmita Sarkar	β -amino-ester linkage assisted design of substrate, process and liquid-independent solid slippery coating
P-60	Deepak Sharma	Fe – Cu bimetallic catalytic one pot system for amide synthesis via amino-carbonylation using Mo(Co) ₆ as a surrogate of CO
P-61	Deepika Khasa	Discovery of small molecule inhibitors for human tousel-like kinase 1 (TLK1)
P-62	Delna Johnson	Exploring the therapeutic potential of pyridazinone-fused indole molecules as TLK1 inhibitors for cancer therapy
P-63	Desai Bhargav Rasikbhai	Copper-catalyzed synthesis of diaryl sulfones via cross-coupling of boronic acids and p-toluenesulfonyl hydrazide
P-64	Dhananjay Shrinivas Nipate	Rh(III)-catalyzed oxidative [4+2] annulation of 2-arylquinoxalines and 2-aryl-2H-indazoles with allyl alcohols
P-65	Dhanashri Ashok Sable	Heteroatom-assisted regio- and stereoselective palladium catalyzed carboxylation of 9-allyladenine.
P-66	Dharini A	Investigation of aggregation-induced emission properties and applications of simple pyrene containing α -cyano stilbenes
P-67	Dipayan Mondal	Design and synthesis of bioinspired flavin analogues for diverse potential applications

P-68	Divyansh Dhiman	Facile synthesis, spectral and redox properties of β -diformyl silver(III) corroles: A new methodology for formylation
P-69	Dripta De Joarder	Synthesis of a new class of terpyridine-M(II) catalysts and their role as catalysts
P-70	Drishya Elizebath K	Spontaneous curvature induction in an artificial bilayer membrane
P-71	Esha Gera	Understanding spin-crossover behavior of Fe-tetraazatricyclo/aminomethylpyridine complexes
P-72	Garima Agrawal	Designing multifunctional polymer based stimuli responsive microgels for sustainable agriculture
P-73	Gaurav Rai	Studies on small molecule inhibitors against tyrosine threonine kinase (TTK)/HMPS1 for developing novel therapeutics for breast cancer
P-74	Golam Rosul Khan	Enhanced fluidity of water in superhydrophobic nanotubes: Estimating viscosity using jump-corrected confined Stokes-Einstein approach
P-75	Gulshan Anjum	Green fluorescent protein linked porous organic polymers for sensing of nitro explosive compound and other organic pollutants
P-76	Gulshan Singh	Chemical fixation of CO ₂ to value-added chemicals using functionalized covalent organic frameworks (COFs) under mild conditions
P-77	Gunjan	Design of photo-tunable peptide materials by tethering visible wavelength azobenzene.
P-78	Hari Prasad Kokatla	N-oxide induced ugi reaction: a novel synthesis of quinoline-C2-amino amides/sipro via deoxygenative C(sp ²)-H functionalization
P-79	Hariharan	Blue led-mediated synthesis of 3-hydroxy-2-oxindoles
P-80	Haritha D	Exploring inosine-5'-monophosphate dehydrogenase as a novel drug target against helicobacter pylori infection
P-81	Harsha	Visible light-mediated radical-cascade addition/cyclization of activated alkenes for the construction of quinoline-2,4-diones
P-82	Harsha K Sasidharan	Unravelling the labile nature of Ni-N ₂ bond in complexes: An EDA-NOCV approach
P-83	Heena	Investigation of C-H...Se hydrogen bond and comparison with C-H...O and C-H...S hydrogen bond
P-84	Hemanga Bhattacharyya	Redox-neutral α -Csp ³ -H bonds functionalization of secondary cyclic amines: A greener strategy for N-arylation/formal cross-dehydrogenative couplings
P-85	Himanshu Bansal	Green nanotechnology - A solution for wastes
P-86	Imon Jyoti Dutta	Theoretical exploration of single molecule toroids and single molecule magnets in 3d-4f systems

P-87	Imtiyaz Ahmad Shah	Organocatalytic [4+2] annulation between enals and nitro-olefins for the direct synthesis of highly substituted 2-nitro-1,1'-biphenyl: Scope and applications
P-88	Indranil Chatterjee	Palladium-catalyzed regioselective synthesis of mono and bis(arylthiol) alkene from propargyl carbonate and thiophenol
P-89	Indukalpa Das	Microbial biosurfactant mediated fabrication of zinc oxide nanoparticles (ZnO nps) for enhancement of seed germination in cicer arietinum seeds
P-90	Injamam Ul Hoque	Visible light mediated difunctionalization of olefin under photoredox catalysis
P-91	Jagannath Bhuyan	Histamine-bound metalloporphyrins: diverse coordination modes, reactivity and role in chlorophyll degradation
P-92	Jahanvi Ralhan	Photo-chemical modulation of peptide nanostructures for tunable piezoresponse
P-93	Joy Mukhopadhyay	L→S coordination complexes: Quantum chemical design and synthesis
P-94	Jugun Prakash Chinta	Metallo-cyclic peptides: a search for probable therapeutic agents
P-95	Junaid Shafi Banday	Ligand free asymmetric A3 coupling: Application in the synthesis of nucleosides, disachharides and aza sugars
P-96	Jyoti Sharma	Amidophosphine boranes as hydroboration reagents for nitriles, alkynes and carboxylic acids
P-97	Kajal Bibhishan Meher	Lightening copper: Unleashing radical reactivity of diazo arylidene succinimides to enable one-step synthesis of PMDI core
P-98	Kamal Kant	HFIP-mediated cyclodesulfurization for the synthesis of benzoxazole and benzothiazole derivatives
P-99	Kangkan Pradhan	Photo-induced transitionmetal free direct C-N coupling of nitro derivatives: A route to access NSAIDs
P-100	Kanika Sharma	Synthesis, in-vitro antimicrobial, and in-silico ADMET, DFT, molecular docking studies of 7-azaindole N-linked 1,2,3-triazoles
P-101	Kankana Bhattacharjee	Identification of key regulators in pancreatic ductal adenocarcinoma: A systematic network analysis
P-102	Karishma Kishor Mashelkar	Synthesis of methylphenidate via Suzuki cross-coupling and C-H bond activation
P-103	Karunamayee Mondal	Visible light-induced C-centered radical mediated cascade processes: Demonstration of XAT and SET events
P-104	Kavya P	L-tyrosine capped silver nanocluster: An efficient reusable luminescent nano-probe for simple, rapid and reliable detection of hemoglobin in real blood samples
P-105	Keerthika K	A synergistic interaction of diboron and togni reagent for trifluoromethylative borylation of unactivated alkenes

P-106	Khushika	Effect of ions on structure and dynamics of water
P-107	Kirti Singh	Lipase mediated Friedel-Craft alkylation reaction of indole and further transformations
P-108	Kishor Haribhau Shinde	Regioselective alkyne-azide cycloaddition affording 1,2,3-triazoles under photocatalytic conditions using carbene-phosphinidenide-stabilized TADF Cu ₈ nanocluster: A fascinating synthetic methodology
P-109	Km Kajol	Synthesis of 4-(hydroxymethyl)oxazoles via sequential one-pot method and their application in phosphonates synthesis
P-110	Komal Goel	A two-step access to fused-/spiro-polycyclic frameworks via double Heck cascade and acid-driven processes
P-111	Kshatri Durga Lalitha Bai	Tuning photoluminescence properties by controlling: Eu ⁺³ /Eu ⁺² ratio in a single host lattice via a novel Li insertion method
P-112	Kshitiz Verma	Sc(OTf) ₃ -catalyzed domino C–C/C–N bond formation of aziridines with quinones via radical pathway
P-113	M Aakshika Sree	Carbonyl-terpyridyl-manganese complex based soft materials for photoactivated carbon monoxide delivery
P-114	M P Gayathri	Blue-light-activated water-soluble Sn(IV)-porphyrins for antibacterial photodynamic therapy (APDT) against drug-resistant bacterial pathogens
P-115	Mahanthi Sankarrao	Efficient UV light-induced synthesis of 9,10-diaroylphenanthrenes from 2,5-diarylphenanthreno-[c]-thiophenes
P-116	Mahender Singh	Keggin cluster modulated photocatalytic activity of aryl sulfonium polyoxometalate hybrids toward dichromate reduction.
P-117	Malika	Polysaccharide-based injectable hydrogel for bone tissue engineering
P-118	Mamta	Two-pot sequential multicomponent metal-free synthesis of pyrrolo[2,3-d]pyridazin-7-ones and pyrrolo[2,3-d]pyridazines
P-119	Manaswini Ray	Nano-confinement effect of molecular prism
P-120	Manik Jana	Metallation induced aromaticity switching in N-confused N'-fused porphyrinoids.
P-121	Manisha Agrabhai Patel	Ambient temperature, metal-free, CDI-mediated ex-situ conversion of acids to amides: Useful late-stage strategy
P-122	Manisha Sharma	Asymmetric synthesis of hydrophenanthrenones bearing multiple stereogenic centers via squaramide-catalyzed domino 1,4-/1,4-addition desymmetrization sequence
P-123	Manisha Sharma	Exploring mixed precision CCSDT with frozen natural orbitals: Computational implementation and pilot applications.
P-124	Manoj Kumar Kumawat	Design and synthesis of mixed ligand polypyridyl transition metal complexes towards future drug development targeting DNA

P-125	Mariya Midhu Francis	Creating self-cleaning and dual-mode antimicrobial nanocomposites: CuO/AgX (X = Cl, Br, or I) heterojunctions from metal-organic frameworks
P-126	Meenu	Exploring bimolecular electron transfer quenching rate: insights via density functional reactivity theory
P-127	Mohamamad Junaid	Light-induced arylation (alkylation) of n-sulfonylhydrazones with aryl and alkylboronic acids
P-128	Mohammad Saleem	Transition-metal-free visible-light induced siloxycarbene additions to N=N of azodicarboxylates: Synthesis of acyl hydrazides from acylsilanes
P-129	Monika Malik	Diaryliodonium salt promoted regioselective and efficient synthesis of benzo-fused carbazoles
P-130	Monika Yadav	Pharmacologically important macrocyclic complexes of Cu(II): Synthesis, characterization, molecular modeling and molecular docking studies and in-vitro anti-bacterial and anticancer studies
P-131	Mukhtar Ahmed	Sulfonylpyrazole- and pyrazole-directed ortho-selective C–H functionalization/alkenylation and desulfonylative olefination of aryl(sulfonyl)pyrazoles
P-132	Musarrat Fatma	Electrochemically driven regioselective organoselenation for selective synthesis of β -hydroxy substituted selenylated ketones
P-133	Muzamil Samad	Ter-butyl nitrite mediated one pot click chemistry using hydrazines as azide surrogates: Easy access to triazole functionalities and late-stage functionalization to natural products.
P-134	Namrata Kotwal	Organocatalytic asymmetric synthesis of carbo- and oxa-cyclic seven-membered bridged-biaryls via nucleophile-dependent switchable domino processes
P-135	Nandini Sharma	Off-the-shelf fluorescent chemical sensors for the selective detection of herbicide paraquat (PQ)
P-136	Narayanapillai Manoj	Design, synthesis and characterization of indolo[3,2-a]carbazole-based small molecular mass hole-transporting materials for perovskite solar cells
P-137	Narendra Dinkar Kharat	Rhodium-catalyzed regioselective C3Ar-functionalization of tyrosines with maleimides and its late stage peptide exemplification
P-138	Narshimha Verma	Iodine(III)-promoted efficient synthesis of heteroaromatic-annulated porphyrins with enhanced near-IR absorption
P-139	Naveen Joseph Roy	Salicylanilide-based photoactivable H ₊ /Cl ⁻ transporters for the inhibition of gram-negative bacterial proliferation
P-140	Naveen Kumar Maurya	Palladium-catalyzed tandem Mizoroki-Heck/Suzuki-Miyaura coupling with cyclic diaryliodonium salts to access 2,2'- bifunctionalised biaryls
P-141	Neeharika Baruah	Unveiling hetero atom containing fluorescent carbon dots from indigenous soil bacterial metabolites for toxic Cr(VI) ion detection

P-142	Neha Saini	Coalescing solar-to-chemical and carbon circular economy: mediated by metal-free porphyrin and triazine-based porous organic polymer under natural sunlight
P-143	Nidhi A J	Mechanistic insight into the amyloid fibrillation inhibition of hen egg white lysozyme by three different bile acids
P-144	Nikita Chakraborty	Synthesis of α -keto-N-acyl sulfoximines by decarboxylative sulfoximidation of cinnamic acids and their further cyclization to S-arylthiazolones
P-145	Nilakshi Dutta	ESP mediated Cu catalyst: a bio waste based catalytic approach for tandem oxidative synthesis of quinazolin-4(3H)-ones
P-146	Nirupama Saladi	Oxoalkoxovanadium(v) complexes with O,N,O chelators: Catalytic activity in selective monoalkylation of amines with alcohols
P-147	Nitika	In-situ transformation of layered double hydroxide to hierarchical metal-organic framework for energy conversion and storage
P-148	Nitin	A ruthenium nitrosyl-functionalized liposomes for light-controlled nitric oxide delivery: Role of ancillary ligand and therapeutic potential
P-149	Noushija M K	Amino-1,8-naphthalimide-based small molecular fluorescent chemosensors for selective detection of Cu(II) ion and heparin in an aqueous medium
P-150	Om Prakash Joshi	Copper-catalyzed one-pot synthesis of 2-benzoylbenzofuran and 2-benzoylfuro[3,2-b]pyridine scaffolds via domino sonogashira coupling/cycloisomerization reactions.
P-151	Palani Purushothaman	An anti-corrosive behaviour of conjugated polymer inhibitor as an additive in coating material
P-152	Pallab Karjee	Expedient (3+3)-annulation of in situ generated azaoxyallyl cations with diaziridines
P-153	Pallabi Paul	Synthesis of polysaccharide derived carbon dots for high-throughput detection of folic acid and application in drug delivery
P-154	Paramita Pattanayak	Ncs-promoted regioselective C-H thiocyanation and selenocyanation of pyrazolo[1,5-a]pyrimidines
P-155	Parmeshthi Parikh	A selective glycoconjugate-based turn-on chemosensor for Lu(III) ion sensing
P-156	Parmjeet Kaur	Design and preparation of novel bifunctional nanobiohybrid catalyst by combining palladium and α -amylase enzyme: application in the one-pot chemoenzymatic catalysis
P-157	Partha Pratim Sen	Investigating the potency of a phenalenyl-based photocatalyst under the photo-electrochemical condition for the intramolecular C-S bond formation
P-158	Pooja Kumari Jat	Electro-oxidative direct C-H chalcogenation of indolizine frameworks

P-159	Poorvi Gupta	Ni ₂ MnAl heusler alloy nanoparticles for chemoselective hydrogenation of nitro compounds
P-160	Prabhat Kumar Maharana	Cobalt-catalyzed stereospecific C-N/C-O bond formation of oxiranes with diaziridines
P-161	Pradeep Pilonia	In silico design of pyrido[2,3-b]pyrazine-3(4H)-one derivatives as potent aldose reductase inhibitors through QSAR study, molecular docking modeling and ADMET analysis
P-162	Pragya	Pyrazinium-based chemosensors for analyte detection
P-163	Pragyansmriti Sunani	A metallomicellar catalyst for pH-controlled chemoselective conversion of feedstock materials in water using open air as oxidant
P-164	Prahallad Meher	A general charge transfer assembly driven photoactivation platform of diaryliodonium reagents: arylation of heterocycles
P-165	Prakriti Saraf	Regioselective synthesis of bodipy dyes using readily accessible BODIPY(aryl)iodonium salts
P-166	Pramod Kumar M	Spectral aspects, crystal structure and in silico molecular docking of a N(II) chelate of tridentate aroylhydrazone
P-167	Pranav Bhagwat	Design, synthesis and biological activity of quinazoline based small molecule inhibitors against ATR kinase
P-168	Pranaya Milind Naik	Phenotype screening of chalcone analogues of biobased cyrene into quinoline moiety as potential leads towards antimalarial drug discovery
P-169	Pranjal Kumar Baruah	Environmentally benign methods for the synthesis of various heterocyclic compounds
P-170	Prasad V Bharatam	1,1-Diaminoazines: Organocatalysis and organometallic catalysis
P-171	Prasanjit Agasti	Structural and magnetic phase transition in Mn _{2-x} Cu _x SnS ₄ : From defect rock salt structure to disordered spinel.
P-172	Prashant Choubey	Sulfur/nitrogen-codoped carbon-dot-modified WO ₃ nanosheets toward enhanced charge-carrier separation in a saline water-splitting reaction
P-173	Pravat Kumar Swain	Production of biofuels and valuable products from biowaste: a prospective challenge in 21st century
P-174	Praveen Kumar	Calf thymus DNA binding and plasmid DNA cleavage studies of diorganotin(IV) derivatives of <i>p</i> -hydroxy-/ <i>p</i> -nitrobenzoic acid and 1,10-phenanthroline: Characterization, single crystal X-ray structure of [Bu ₂ Sn(<i>p</i> -NO ₂ C ₆ H ₄ CO ₂) ₂]/[Me ₂ Sn(<i>p</i> -NO ₂ C ₆ H ₄ CO ₂) ₂ .phen] and DFT calculation
P-175	Priti Kumari	Silver(I) complexes: synthesis, characterization and electrochemical behaviour changes with metal core nuclearity
P-176	Priya Sahni	Deep-blue photoluminescent Cu(I)-NHC complexes for photoredox catalysis
P-177	Priyambada Prusty	Co(III)-catalyzed three-component assembling of N-(2-pyrimidyl)indoles with dienes and formaldehyde through C-H bond activation

P-178	Priyanka Sarkar	BSA-capped dual emissive silver nanoclusters for detection of IO ₄ ⁻ and Cu ²⁺ ions
P-179	Priyanka Jha	Redox-neutral site-selective C-H allylation and iodolactonization of benzoic acids using Morita-Baylis-Hillman adducts in water
P-180	Prof A Sakthivel	Transition metal decorated layered zeolite: A promising catalyst for hydrogenation of lignin model compounds
P-181	R Monica Denise R	In vitro and in silico approach towards biocidal and antioxidant behaviour of water-soluble chitosan dialdehyde biopolymers
P-182	Raghu Chitta	Bis-pyrrolic systems as energy and electron relay in light induced process
P-183	Rahul Vishwakarma	Lewis acid-promoted domino processes for the synthesis of homoallylic amines, quinolines and tetrahydroquinolines under oxidant-free conditions
P-184	Raj Kamal	Application of geminal ditosyloxyketones for the regioselective synthesis of 2,4,5-trisubstituted pyrimidines
P-185	Rajarshi Sarkar	Sierpiński pyramids via molecular entanglement
P-186	Rajesh Patra	A post-synthetically modified thiol MOF, UiO-66-NH-SH functionalized with silver nanoparticles for efficient CO ₂ fixation
P-187	Rajesh Ravindranath Sahu	Phenothiazine-based Cu(II)-selective fluorescent sensor: GHK-Cu sensing applications
P-188	Rajeshkhanna Gaddam	Heterostructured Co@Fe-based core@shell materials: as remarkable bifunctional electrocatalysts for green hydrogen production via electrolysis
P-189	Rakesh Kumar Rai	The pivotal role of non-covalent interactions in controlling the functions of metalloenzymes
P-190	Ramji Meher	Organocatalytic asymmetric dearomative spirocyclization/oxa-michael addition sequence: synthesis of polycyclic tetralones
P-191	Raseswari Dash	Efficient one-pot synthesis, electrochemical and photophysical traits of thia-quasi[7]circulenes
P-192	Rashmi Ranjan Khatua	Synthesis and antibacterial studies of phenethylamine alkaloid natural products along with their analogues: Discolin a, b, e and bacillimidazole b
P-193	Ravinder Punia	Regioselective synthesis of fused 11h-benzo[5,6][1,4]thiazino[3,4-a]isoindol-11-ones and benzo[b]indeno[1,2-e][1,4]thiazin-11(10aH)-ones
P-194	Ravneet Kaur	Asymmetric organocatalytic multicomponent conjugate addition to α,β -unsaturated enones using [1,2]-phospha-brook rearrangement
P-195	Ritambhara Sharma	3-Pyrrolyl bodipy based fluorescent systems

P-196	Ruchi Sharma	Pd-catalyzed double Heck and Heck-Suzuki cascade reactions of (CF ₃)-acrylamides
P-197	Sai Rachana Pramatha	Temporal evolution of supramolecular polymers of NIR dyes into homochiral superstructures via secondary nucleation
P-198	Saista Afreen	Regioselective hydro-heteroarylation of 1,6-diyne via carboxamide assisted indole C(2)-H activation using cobalt catalyst
P-199	Sajjad Ahmed	Boron trifluoride diethyl etherate-promoted heteronucleophilic/bifunctionalization of aldehydes: Access to unsymmetrical gem-diarylmethyl thioethers and arylmethyl-substituted organophosphorus compounds"
P-200	Sakshi	Characterization of zeolite-Y encapsulated Zn(II)salmphen complex with targeted anticancer property
P-201	Sakshi Bajaj	Zinc(II) salophen complexes in neat and encapsulated form as catalysts for CO ₂ upcycling
P-202	Samir Kumar Mondal	Design, synthesis and antiviral activity of novel acyclic purine nucleosides
P-203	Sanchita Ghosh	Intrinsically ⁶⁹ Ge-labeled biocompatible gallium oxide nanoparticles: A new nanoprobe for pet imaging for cancer
P-204	Sangeeta Kumari	Ortho C-H activation in benzyl selenide is assisted by a ruthenium (II) complex with a selenated NHC-half pincer
P-205	Sanjit Konar	Spin-state switching in dynamic molecules and chiral cages
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