



# International Conference on Chemistry and Applications of Soft Materials (CASM 2022)

July 25-27, 2022

CSIR-NIIST, Thiruvananthapuram, India



## List of Posters (P001 – P 075)

### Session – 1, 25 July 2022

No.	Presenting Author	Affiliation	Title
P001	Abhijit Behera	NIT, Rourkela	Polymer Modified Alpha-Zirconium Phosphate as an Effective Adsorbent for the Removal of Cr(VI)
P002	Abhilash T. K.	CSIR-NIIST, Thiruvananthapuram	Highly Luminescent, Fast Switching Display Device based on core-shell bimetallic nanoparticles/ ferroelectric liquid crystal composites
P003	Malini Abraham	CSIR-NIIST, Thiruvananthapuram	Elevating the Quality of White Light Utilizing an Innovative Deep Red Emitting Nanophosphor
P004	Paribesh Acharyya	JNCASR, Bengaluru	Intrinsically Ultralow Thermal Conductivity in Ruddlesden–Popper 2D Perovskite $Cs_2PbI_2Cl_2$
P005	Amarjith V. Dev	CSIR-NIIST, Thiruvananthapuram	Novel Lead-Free Organic-Inorganic Metal Halide as Phosphors for White Light-Emitting Diodes
P006	Amrita Singh	CSIR-NCL, Pune	Aniline and Indoline Donors Based Visible-Light Active Unsymmetrical Squaraine Dyes with 1 V of VOC and 8 % of Dye-sensitized Solar Cell Efficiency
P007	Amritha P	CSIR-NIIST, Thiruvananthapuram	Using Green Electrolytes for Electrochromic Devices
P008	Amrutham Linet	CSIR-NIIST, Thiruvananthapuram	Novel Boomerang-Shaped Host Materials for Phosphorescent Organic Light-Emitting Diodes
P009	Anjali Anand	CSIR-NIIST, Thiruvananthapuram	Convergence of 1D and 2D Supramolecular Polymers to Size and Shape Controlled Microspindles with Modulated Emission Pattern
P010	Anjali Nirmala	CSIR-NIIST, Thiruvananthapuram	Metal Organic Thermochromic Complexes For Multi-State Logic Operations And Smart Window Applications



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P011	Anjitha Maria Joseph	University of Madras	Rapid Large-Scale Synthesis of Bimetallic NiCu Nanoparticles supported on Vulcan Carbon for Direct Methanol Electrooxidation Reactions
P012	Anjitha Theres Benny	VIT, Vellore	One-Pot Synthesis of Flavonol Esters and Benzamides via Unusual Base Catalyzed Partial Ring-Opening-Esterification and Amidation of Flavonols and Evaluation of Antibiofilm, Antivirulence and Quorum Quenching Properties of Unusual Flavonol Esters
P013	Ashitha George	CSIR-NIIST, Thiruvananthapuram	Isotropic and Directionally Ice-Templated Nylon 11 Aerogels: Structure and Piezoelectric Properties
P014	Kiran Asokan	CSIR-NCL, Pune	Bulk Synthesis of Covalent Organic Framework for CH <sub>4</sub> Storage and Photocatalytic Water Splitting Applications
P015	B.S.Athira	CSIR-NIIST, Thiruvananthapuram	Electrospun PVDF-KNN Nanofiber based Piezoelectric Nanogenerator for Mechanical Energy Scavenging and Sensing Applications
P016	Avija A.V.	CSIR-NIIST, Thiruvananthapuram	Novel Lead-Free Tin Halide Perovskite with A Quantum Well Type-IIb Band Alignment Exhibiting Anisotropic Photoconductivity and High Charge Carrier Lifetime
P017	Tohira Banoo	NIT, Warangal	Self-assembled Supra-molecular Architecture Derived from Naturally Occurring Molecules
P018	Ranjit Bariki	NIT, Rourkela	CdIn <sub>2</sub> S <sub>4</sub> modified UiO-66 metal organic framework photocatalyst for environmental application and production of Renewable energy sources
P019	Ranajit Barman	IACS, Kolkata	Biomimetic Approach for Designing Antibacterial Polymers with Outstanding Activity
P020	Rebika Baruah	CSIR-NEIST, Jorhat	Multifunctionality of Livistona jenkinsiana/Ag/ZnO Nanocomposites
P021	Basavaraja D	CSIR-NIIST, Thiruvananthapuram	Rapid Visual Detection of Biogenic Amines by Pyrylium Salts for Food Spoilage taggant
P022	Bebin Ambrose	CSIR-CECRI, Karaikudi	Evaluation of Negolyte Properties of Supramolecular Binary Complexes Based on Viologen-Cucurbit[7]Urils
P023	Devi Prasanna Behera	NIT, Rourkela	Impact of Glycosaminoglycans (GAGs) on Stability and Kinetics of Bone Morphogenetic Protein-2 (BMP-2): A Biophysical Approach



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P024	Sukanya Bera	IACS, Kolkata	Comparison between Amphiphilic Hyperbranched and Linear Poly(disulfide) for Intra-Cellular Drug Delivery
P025	Sagarika Bhattacharjee	IIT-Ropar	Effect of Viscosity in Colloidal Processing of Nanoparticles via Self-Assembly
P026	Ainikulangara Sundaran Bhavya	CSIR-NIIST, Thiruvananthapuram	High Power Output Generation in PET-Paper Based Contact-Separation Mode TENG Using Hexagonal Boron Nitride Nanosheets as Triboelectric Negative Material
P027	Hariom Birla	IIT-Kanpur, Kanpur	Effect of Functional Group on The Switching Efficiency of Azobenzene Derivatives on Graphite
P028	Anwasha Chakraborty	IACS, Kolkata	Molecular Recognition Guided Pathway Control in Supramolecular Polymerization
P029	Chinnu R Thara	Mahatma Gandhi University, Kottayam	Green Fluorescent Graphitic Carbon nitride Quantum Dots for Dual Sensing of Heavy Metals and Bio-imaging
P030	Chinnu V. Devan	CSIR-NIIST, Thiruvananthapuram	Low-Temperature Thermoelectric Properties of AgSbTe <sub>2</sub> and Multiphysics Simulation on AgSbTe <sub>2</sub> -Bi <sub>2</sub> Te <sub>3</sub> Thermoelectric Generator
P031	Vibhu Darshan	CSIR-NIIST, Thiruvananthapuram	Fabrication and characterization of non-volatile memory based on sexithiophene (6T) organic field-effect transistors with polystyrene electret
P032	K. Rohini Das	St. Thomas College, Kerala	Charge-Discharge Determination in Lead Acid Batteries via Colorimetric Acid Content Sensing Using Poly N-phenyl ortho phenylenediamine
P033	Angshuman Das	JNCASR, Bengaluru	Enzymatic Reaction-driven Co-operative Supramolecular Polymerization
P034	Dasari Sai Hemanth Kumar	University of Hyderabad	Synthesis of capping agent free Cobalt-Iron Chalcogenides As Electrocatalyst For The Water Splitting Reaction And Cr (VI) Reduction
P035	Darshana Deb	JNCASR, Bengaluru	Amplification of Circularly Polarized Luminescence via Stereoselective Energy Transfer
P036	Deepa John	VIT, Vellore	Synthesis, Characterization and Biofilm Inhibition Properties of Aurones
P037	Shivdeep S. Deshmukh	CSIR-NCL, Pune	Dye Sensitized Solar Cells Based On D-A-D Dyes with a Pyridine Ring as an Anchoring Group
P038	Nayan Dev M K	CSIR-NIIST, Thiruvananthapuram	Large Area Electrochromic Devices, Applications and Challenges



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P039	Devika Surendran	CSIR-NIIST, Thiruvananthapuram	Bismuth Nanoparticle Anchored N-Doped Porous Carbon for Electrochemical CO <sub>2</sub> reduction to Formate
P040	Dinesh Kumar	CSIR-CLRI, Chennai	A “Self-Shrinking” Supramolecular Hydrogel with a Memory Performance from an Unnatural Amino Acid Derivative
P041	Drishya Elizebath	CSIR-NIIST, Thiruvananthapuram	Biomimetic Hierarchical Organization of Peptide Functionalized Nanographene
P042	A. Esokkiya	CSIR-CECRI, Chennai	Electrochemically activated copper nitroprusside as a catalyst for sensing of carcinogenic acetaldehyde in red wine
P043	G.Virat	CSIR-NIIST, Thiruvananthapuram	Polymer Crystallization-Induced Emission Behavior in Curcumin-Appended Poly(L-lactide)
P044	Swadhin Garain	JNCASR, Bengaluru	Pyromellitic Diimide Derived Organic Triplet Harvesters
P045	Gowtham Raj	IISER-Thiruvananthapuram	A Disulfide Decorated Cu <sup>2+</sup> -DNA nanoparticles for Effective Chemodynamic Therapy
P046	Ritu Gupta	IIT Kanpur, Kanpur	All Organic Nanoscale Molecular Supercapacitor for High Energy Density
P047	Hanjun Zhao	Graduate School of Environmental Science, Hokkaido University, Japan	Detection of Singlet Oxygen in Solutions and Cells Using a Molecular Sensor with Visible Fluorescence
P048	Harikrishnan K S	IISER-Thiruvananthapuram	Circularly polarised luminescence enabled highly specific detection of potassium ions using DNA-based sensors
P049	Harris Varghese	CSIR-NIIST, Thiruvananthapuram	A High-performance Flexible Mechanical Energy Harvester based on PAN-PDMS Triboelectric Nanogenerator
P050	Pratyush Ranjan Hota	NIT-Rourkela	Role of Ionic Liquids on Protein stability and Dynamics
P051	Chandrasekar Inbasekar	CSIR-CLRI, Chennai	Single Step Synthesis of Aldehyde Free Biocompatible and Multifunctional Polymeric Syntan for Sustainable Leather Process
P052	Indulekha Mukkatt	CSIR-NIIST, Thiruvananthapuram	Tunable Electrochromic and Capacitive Behaviour in Metallosupramolecular Polymer Assemblies
P053	Avinash P Jadhav	CSIR-NCL, Pune	Donor-Acceptor-Donor Based Unsymmetrical Squaraine Dyes for Dye Sensitized Solar Cells
P054	Anooja Jagadeesh	CSIR-NIIST, Trivandrum	Realizing Record V <sub>OC</sub> of 1.25 V Under Full Sun and 1V Under 1000 Lux from Single Junction DSCs through Photoanode Modification





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P055	Janardhanan Aiswarya	Bharathiar University, Coimbatore	Real-time Detection of Moisture in Organic Solvents, Halochromism and Aggregation Induced Emission in
P056	Jayadev Velore	CSIR-NIIST, Thiruvananthapuram	Understanding Mass Transport in Copper Electrolyte-Based Dye-sensitized Solar Cells
P057	Anju Joseph	University of Hyderabad	Bandgap Tuning On ZnS For Effective Degradation Of Organic Pollutants And Increased Antibacterial Activity
P058	Ganesh Govind kadam	CSIR-CSMCRI, Bhavnagar	Halide Promoted Porous Melamine Formaldehyde Materials as an Efficient Heterogeneous Catalyst for Continuous Synthesis of Cyclic Carbonates from CO <sub>2</sub> and Epoxides
P059	Navnath R Kakde	CSIR-NCL, Pune	Continuous Flow Synthesis of Defect-Free, High Molecular Weight P(NDI2OD-T2) by Stille and DHAP Polymerization
P060	Simanta Kalita	JNCASR, Bengaluru	High-Speed Super-Resolution Imaging with Fluorogenic DNA-PAINT
P061	Ganesh N Kamble	CSIR-NCL, Pune	Design and Synthesis of Photocrosslinker and Light Blocker based on L-Amino acid Polyester and Their Application in Solvent-free Resin Formulation for DLP 3D Printing
P062	Kevin George	VIT, Vellore	Synthesis of 13, 14-Dimethyl-6,7-Dihydrodibenzo[b,j][4,7] phenanthroline derivatives as tuneable fluorescent materials
P063	Payel Khanra	IACS, Kolkata	Pathway Complexity in Supramolecular Copolymers and Heterostructures by Seed-Induced Living Polymerization
P064	Ravichandran Khazeber	IISER Thiruvananthapuram	Single-crystal-to-single-crystal Translation of a Helical Supramolecular Polymer to a Helical Covalent Polymer
P065	Anju Ajayan Kongasseri	JNCASR, Bengaluru	Modulation of Triplet Excited State Emission via Intermolecular Through-Space Charge-Transfer Interactions in Organic Co-Crystals
P066	Binila K Korah	M G University, Kottayam	Bioinspired Nitrogen-Doped Carbon Dots as a Dual Mode Probe for Tetracycline and Mercury ions
P067	Viksit Kumar	CSIR-NCL, Pune	$\pi$ -Extended Heterohelical Nanographenes for Energy Storage Applications



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P068	Kundan Kumar Das	Siksha 'O' Anusandhan, Bhubaneswar	Engineering an oxygen-vacancy-mediated S-scheme charge carrier dynamic coupling $WO_{3-x}/ZnFe_2O_4$ heterojunction towards photo-Fenton-driven levofloxacin degradation
P069	Reena Kyarikwal	IIT-Indore	Synthesis of Tris-Tetrazole Based Nanostructured-Organogels: Studies on Isomeric Effect, Self-Healing, AIEE, Rheological and Fluorometric Sensing of 3-Aminopyridine
P070	Saurodeep Mandal	Visva-Bharati, Santiniketan	A Reliable Fluorescence Technique to Detect the Antibiotic Colistin: An Excess Use Threats to Evolve Multidrug Resistant Bacteria in Environment
P071	Manikandan M	CSIR-NIIST, Thiruvananthapuram	Unravelling the Dual Application of $TiO_2$ Fiber in DSSC
P072	Mariyamuthu Mariyaselvakumar	CSIR-CSMCRI, Bhavnagar	Integrated $CO_2$ Capture and Utilization with Ru Modified Mesoporous Melamine-Formaldehyde Polymer as an Effective Solid Catalyst: from Batch to Flow
P073	Sneha Mathew	M G University, Kottayam	Carbon Dot Based Sensor and Photocatalyst for the Remediation of Environmental Contaminants
P074	Rakesh K. Mishra	NIT, Uttarakhand	Small Molecule Fluorescent Probe for Hydrazine in Solid, Gel and Solution Media
P075	Mohanakumaran Athira	CSIR-CLRI, Chennai	Synthesis of Diverse 9-Fluorenylidene Appended 3H-indole-1-oxides and 2-(5'H-spiro[fluorene-9,10'-indeno[1,2-b]indol]-5'-yl)ethan-1-ones from 9-(Phenylethynyl)-fluorene-9-ol and Nitroso Benzene using $BF_3 \cdot OEt_2$ as Catalyst



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## List of Posters (P076 – P154)

### Session – 2, 26 July 2022

No.	Presenting Author	Affiliation	Title
P076	Ranjeeta Mohanta	NIT, Rourkela	Donor-p-Acceptor Based Amphiphilic Coumarin Conjugates: Design, Synthesis, and Photophysical Applications
P077	Ritik Mohanty	Siksha 'O' Anusandhan, Bhubaneswar	Activated Fullerene@ZnCo <sub>2</sub> O <sub>4</sub> Nanospheres as Efficient Electrode Material for Flexible Supercapacitor Application
P078	Nair Afijith Ravindranath	IGCAR, Kalpakkam	A multilayered YSZ based thin film electrochemical oxygen sensor for monitoring trace level oxygen in inert ambient
P079	Palanichamy Nandhini	Madurai Kamaraj University	Design and Molecular Docking Studies of Natural Products for the Treatment of MRSA Infections
P080	Aswini Narayanan	CSIR-NCL, Pune	A Light-controlled Conductivity Switching in SWCNT-Based Hydrogel
P081	Navin Jacob	CSIR-NIIST, Thiruvananthapuram	Role of the heteroatom in enhancing the thermoelectric performance of doped benzodithiophene-based copolymer and SWCNT composite
P082	Ashwini Nawade	SRM University, Andhra Pradesh	Can We Dope Biomolecules to Enhance their Electrical Conductivity?
P083	Indrajeet S. Nawghare	CSIR-NCL, Pune	Halogen Functionalized Unsymmetrical Squaraine Dyes for Dye-sensitized Solar Cells (DSSCs)
P084	Nayana Suresh P	NIT Calicut	Spectroscopic Evaluation Of Pt <sub>17</sub> Clusters
P085	Nivedha K	CECRI, Karaikudi	A Fabrication of Bi <sub>2</sub> O <sub>3</sub>   CoWO <sub>4</sub> as a Potential Electrode for Long-Life Flexible Asymmetric Supercapacitor
P086	Othoor Anitha	Bharathiar University, Coimbatore	Design, Development and Multiresponsive Features of a Novel Diethylaminophenol Functionalized Pyrimidine Bishydrazone



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P087	Suja P	CSIR-NIIST, Thiruvananthapuram	Copper Single Atoms Incorporated g-C <sub>3</sub> N <sub>4</sub> as an Efficient Heterogeneous Catalyst for Click Reaction
P088	AJC. Padmashrija	VIT, Vellore	Synthesis of 3-Spirocyclopentene, bridged 3-spirocyclopentene and 3-Spiro cycloheptene Appended 2-indalone and 7-aza-2-indalones via RCM/Cross RCM of Allyl/homo allylated 2-indalone/7-Aza-2-indalone Using Grubb's-II Catalyst
P089	Akhil Padmakumar	CSIR-NIIST, Thiruvananthapuram	Self-Reversible Mechanoresponsive Luminescence of Donor-Acceptor Type p-Extended Dyes
P090	Shibam Pal	CSIR-NCL, Pune	Biodegradable, Solvent-Free Photocrosslinkable PLLA Resin Formulations for Additive Manufacturing
P091	Anil Kumar Panda H	IIT Kanpur	Effect of O-Xylene P3HT:PCBM Solution Cooling on Organic Solar Cell Device Performance
P092	Rahul Panth	IIT Delhi	Fabrication of a Multifunctional Polymer Composite having Thermo-Piezo-Conductivity
P093	Ankit Patidar	IIT Delhi	DEVELOPMENT AND VALIDATION OF MARTINI COARSE-GRAINED FORCE-FIELD PARAMETERS FOR THERMOPLASTIC STARCH CLAY NANOCOMPOSITE
P094	Dipak Patra	CSIR-NIIST, Thiruvananthapuram	E/Z-Photoisomerization Induced LCST-based Multistate Photoswitches In Aqueous Medium
P095	Sibun Kumar Pradhan	NIT Rourkela	Facile low temperature synthesis and photocatalytic application of bismuth molybdate based heterostructure materials for water decontamination
P096	Lingaraj Pradhan	CSIR-IMMT, Bhubaneswar	Integrating The Dual Functionality On Material For Electrochromic Supercapacitor Application
P097	Aiswarya Pradhan	NIT Rourkela	Amphiphilic mPEG-Cholesterol Conjugates: Synthesis, Micellization and Application in Curcumin Delivery
P098	Prakash B. Rathod	Savitribai Phule Pune University, Pune	Cadmium(II)-Loaded Fe <sub>3</sub> O <sub>4</sub> @MPTS Nanoparticles: Preparation and Application as a Catalyst for C-N Coupling Reactions





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P099	Valmiki praveen Kumar	CSIR-NIIST, Thiruvananthapuram	Photoinduced Hydroarylation Of Terminal Alkynes With Naphthols And Phenols
P100	Deeptimayee Prusty	Siksha 'O' Anusandhan, Bhubaneswar	Rational Design and Development of Non-stoichiometric $Cu_xIn_{1-x}S$ Quantum Dots for Energy and Environmental Applications
P101	Rishad Baig E	CSIR-NIIST, Thiruvananthapuram	Egg Shell Membrane as a Natural Separator for Supercapacitor Application
P102	Arun Kumar Rachamalla	NIT, Warangal	Fabrication of Flexible Semiconductors from Amphiphilic N-glycosyl Naphthalimides using Molecular Self-assembly
P103	Aritra Rajak	IACS, Kolkata	Crystallization-Driven Controlled Two-Dimensional (2D) Assemblies from Chromophore-Appended Poly(L-lactide)s
P104	Kavya Rajeev	CSIR-NIIST, Thiruvananthapuram	Multifunctional Devices Utilizing the Effect of Surface Orientational Polarization (SOP) on Exciplex Excitons
P105	Cijil Raju	IISER Thiruvananthapuram	Tuning the Regioselectivity of Topochemical Polymerization Through Cocrystallization of the Monomer with an Inert Isostere
P106	R. Preethi	VIT, Vellore	Synthetic Transformation of 7-Aza- and 2-Indolones into Novel Spiro Heterocycles via [3+2]-AMY Cycloaddition and Multiple Michael Addition-Spirocyclization Strategy
P107	Neethi Raveendran	CSIR-NIIST, Thiruvananthapuram	Benzodithiophene based Polymer with Low Thermally Induced De-doping for Superior Thermoelectric Performance
P108	Arthi Ravi	IISER Thiruvananthapuram	Tapping Topochemical Reactions for Responsive Materials and Polymer Synthesis
P109	Sumit Roy	IISER, Pune	Kinetically Regulated Self-Assembly between Nucleotides and Nanomaterials
P110	Karthika S Nair	CSIR-NIIST, Thiruvananthapuram	Designing Synthetic Cells With Compartments to Explore Liquid Liquid Phase Separation
P111	Bhagyashree Mahesha Sachith	Hokkaido University, Japan	Diffusion Controlled Interfacial Electron Transfer in Perovskite Nanocrystal Films
P112	Nihar Sahu	NIT, Rourkela	Development of Supramolecular Polymer using Ferrocene as a Modulator



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P113	Anjali K Sajeer	CSIR-NIIST, Thiruvananthapuram	Efficient Yellow Light-Emitting Devices Based on Stable Lead Free Cesium Copper Halides by Vacuum Thermal Evaporation
P114	Samarjit Pattnayak	NIT, Rourkela	Silver nanoparticles embedded sulfur-doped graphitic carbon nitride quantum dots for fluorescence sensing of mercury ions in aqueous media
P115	Samyuktha A. D.	VIT, Vellore	Synthesis and Evaluation of Virulence Factors, Biofilm Inhibition, and Photophysical Properties of Biphenyl Appended Aurones
P116	Sanjeev Kumar	CSIR-CECRI, Karaikudi	Antioxidant enzymes at liquid-liquid interface
P117	Sanoop Pulassery	CSIR-NIIST, Thiruvananthapuram	Development of SERS-Based Prototype for Creatinine Sensing
P118	Souvik Sarkar	JNCASR, Bangalore	Secondary Nucleation-Triggered Physical Cross-Links and Tunable Stiffness in Seeded Supramolecular Hydrogels
P119	Akshay Saroha	JNCASR, Bangalore	Regulation of Microtubule Dynamics and Function in Living Cells via Cucurbit[7]uril Host-guest Molecular Recognition
P120	Chandradas Shamili	CSIR-NIIST, Thiruvananthapuram	Electrochemical Glucose Sensor with Glassy Carbon Electrode (GCE) Modified using Ag@MWCNT-Fe <sub>3</sub> O <sub>4</sub> -PVA Nanocomposite
P121	Shandini. B	Bharathiar University, Coimbatore	DPA-Stabilized Copper Nanoclusters as a Fluorescent Probe for Selective and Sensitive Determination of Uric acid
P122	Shilpa R	CSIR-NIIST, Thiruvananthapuram	Enhanced Electrocatalytic Hydrogen Evolution using MoS <sub>2</sub> Nanostructures
P123	Udisha Singh	IIT, Gandhinagar	Water Stable, Red Emitting, Carbon Nanoparticles Stimulate 3D Cell Invasion Via Clathrin-Mediated Endocytic Uptake
P124	Jeladhara Sobhanan	Hokkaido University, Japan	Immunofluorescent Quantum Dots and Silica Particles for Spectro-Temporally-Resolved Multimodal Cancer Cell Detection in the Blood
P125	Sourava Chandra Pradhan	CSIR-NIIST, Thiruvananthapuram	Probing Photovoltaic Performance in Copper Electrolyte Dye-Sensitized Solar Cells of Variable TiO <sub>2</sub> Particle Size Using Comprehensive Interfacial Analysis
P126	Sreenivasan Nagappan	CSIR-CECRI, Karaikudi	Tuning the Electronic Structures of 3d Transition Metals based Layered Double Hydroxides (LDHs) as Effective Electrodes in Water Splitting
P127	Diksha Srivastava	IIT Kanpur	Two-dimensional Molecular Materials for Electronic Applications



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P128	Sruthi Suresh	CSIR-NIIST, Thiruvananthapuram	Ultralight, Mechanically Robust and Flame Retardant PVDF-MXene Aerogels for EMI Shielding
P129	Sruthi M. M	CSIR-NIIST, Thiruvananthapuram	Novel Copper Electrolytes for High Performing Indoor Light Harvesters
P130	S. Sudalaimani	CSIR-CECRI, Karaikudi	Disposable-micropipette tip supported electrified liquid-organogel interface as a platform for sensing of acetylcholine
P131	Surya Suma Kuttan	CSIR-NIIST, Thiruvananthapuram	Modulating Electrochemical Performance of Inter-facially Polymerized, MoS <sub>2</sub> Decorated Polyaniline Composites for Electrochemical Capacitor Applications
P132	Susanna Poulose	CSIR-NIIST, Thiruvananthapuram	H-bonded Supramolecular “Hanging Bridge-Type” Thienoindole-Benzoxazole based Cyclobutane Derivative with a High Photoconductivity
P133	N. Mohammed Nafeesa Thaslim	University of Madras, Chennai	Solid-State Synthesis of Microcrystalline Cellulose Supported Bimetallic AuPd Alloy Nanoparticles Catalysts By Using Mortar and Pestle.
P134	Meghana Mary Thomas	CSIR-NIIST, Thiruvananthapuram	Development of Colloidal Crystal Based Colorimetric Sensor for Detection of Toxic Chemical in Seafood
P135	Binita Tirkey	NIT Rourkela	Photophysical Properties, Solubility and Stability of Curcumin in Surfactant Media: The Role of the Surfactant’s Head Group
P136	Vijaykrishnan Jeyavani	CSIR-NCL, Pune	MgB <sub>2</sub> /NaNO <sub>2</sub> -PVA Free-standing Polymer Composite Film as a Green Firework: A Step towards Environmental Sustainability
P137	V. Venkata Sravani	Homi Bhabha National Institute, Mumbai	Development of an Acid Resistant Silicon shielded Amidoxime based Metal Organic Framework for the Recovery of U(VI) from Aqueous Medium
P138	Vaishna Priya K	CSIR-NIIST, Thiruvananthapuram	MIL 100 Derived Fe Decorated Carbon for Persulphate Based Rhodamine B Degradation
P139	R. Vara Prasad	NIT Warangal	Carbohydrate Based Gelator for H <sub>2</sub> S Entrapment and Room Temperature Synthesis of Polyphenylene Sulfide
P140	Vengadesh Krishna M	Bharathiar University, Tamilnadu	Exploration of a plant leaf as a solid electrolyte membrane for eco-friendly solid-state batteries
P141	Natesan Venkatesan	CSIR-CLRI, Chennai	Fabrication of Non-Fluorinated Superhydrophobic and Flame Retardant Porous Material for Efficient Oil/Water Separation



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P142	Ranjana Venugopal	CSIR-NIIST, Thiruvananthapuram	Transition Metal Oxide Based Hetero-structures for Enhanced Cyclic Stability and Energy Storage
P143	S. Vijayakumar	CSIR-NIIST, Thiruvananthapuram	High Capacitive Two Dimensional Networks from Aliphatic Monomers
P144	Vinothini. S	Bharathiar University, Tamilnadu	Investigation of Mg/MnO <sub>2</sub> based battery system comprising natural gum as a solid electrolyte membrane
P145	Vipin G. Krishnan	CSIR-NIIST, Thiruvananthapuram	Biodegradable Polymer Aerogels: Structure and Properties
P146	Rini K. Vishwakarma	Homi Bhabha National Institute, Mumbai	Acetonitrile Modified GO Membranes for Separation of Strontium ions from Aqueous Solutions
P147	V. Sukumaran	IGCAR, Kalpakkam	Studies on Phosphoric Acid Doped PBI Membrane Based Amperometric Sensor for Hydrogen Sensing at Moderate Temperatures
P148	Mahendra A. Wagh	CSIR-NCL, Pune	<i>Nature-inspired</i> Janus G-C Nucleobase for Supramolecular Self-assembly and Functional Polymers
P149	Anudeep Yedla	IIT Delhi	Development and Characterization of Conductive Polymer based Electrode for Bio-Electrochemical Systems
P150	Nishna N.	CSIR-NIIST, Thiruvananthapuram	Development of Bimetallic Cyclometalated Iridium (III) Complexes with Non-innocent Bridging Ligand for OLED Application
P151	Pavithra E.	VIT, Vellore	I <sub>2</sub> /CAN as an Efficient Reagent for the Oxidation and Oxidative Cleavage of 3,3'-Bis-indolyl and 7-Azaindolyl Methanes
P152	Suresh Snoxma Smile	CSIR-CLRI, Chennai	Chemoselective N-S Bond Cleavage of Tosyl Hydrazones by (Het)arynes: One-Pot Synthesis of Diaryl Sulfones, Diazo- methylenes, and 2,2- Diaryl-1-oxa-2-thia-3,4-diazaspiro-2-oxide
P153	Satyajit Patra	JNCASR, Bengaluru	Small Molecule Based Dynamic Coacervates
P154	Lekshmi L.	CSIR-NIIST, Thiruvananthapuram	Angle Dependent Structural Color with Blue Fluorescence in Pentacyclic Pyridinium Dye Doped Photonic Crystals for Anti-Counterfeiting
P155	Adarsh S. Pillai	CSIR-NIIST, Thiruvananthapuram	Silver Nanoparticle decorated MWCNTs for Wearable Devices