

S. No	ABS No.	Title	Presenting Author	Institution	City
P1	742	Humidity Sensing Studies of Polyaniline-Transition Metal Dichalcogenide Composites	S. Manjunatha	VVSI PU College	Ballari
P2	743	Humidity sensing performance of nanorods of polyaniline-Yttrium oxide composite prepared by mechanical mixing method	Y.T. Ravikiran	VVSI PU College	Ballari
P3	719	Investigation of Biomolecule-Modified PVDF Electrospun Nanofibers for E-Textiles	Akhilesh K Sharma	IIT Delhi	New Delhi
P4	641	Up-scalable synthesis of ZnO nanostructures using Microwave and CVD for applications in functional textiles	Pranay Ahuja	IIT Delhi	New Delhi
P5	638	Mesoporous SnO ₂ fibers derived from gradient electrospinning of two Immiscible polymers (PVP/PAN) for Energy storage applications	Vaishali Tanwar	IIT Delhi	New Delhi
P6	617	Comfort and radiative heat protective performance of multi-layer extreme heat protective clothing of firefighters	Sudhanshu Maurya	IIT Delhi	New Delhi
P7	524	pH responsive drug delivery of PLA-based nanoparticles for breast cancer therapy	Priya Gupta	IIT Delhi	New Delhi
P8	525	Redox responsive Biodegradable Polymeric Nanoformulation for Cancer therapy	Harshdeep Kaur	IIT Delhi	New Delhi
P9	477	Polyurethane based adhesive functionalized with UV-additives for inflatable laminated textiles	Shuchita Tomar	IIT Delhi	New Delhi
P10	480	Multifunctional Thermoplastic Polyurethane Nanocomposites for Inflatables	Bharti Rana	IIT Delhi	New Delhi
P11	324	Relation between immersion precipitation bath conditions and crystalline content of porous poly(vinylidene fluoride) films	Nitish Yadav	IIT Delhi	New Delhi
P12	345	Development of Chitosan /PEO Membranes for Biomedical applications	Rohini Verma	IIT Delhi	New Delhi
P13	388	Concomitant Delivery of Pirarubicin and Anti-MUC 1 in Biodegradable Polymeric Nanoparticles: A Novel Targeted Drug Delivery approach for Breast Cancer Therapy	Ankushi Bansal	IIT Delhi	New Delhi
P14	526	Revealing the unexplored effect of residual iron oxide on the photoreforming activities of polypyrrole nanostructures on plastic waste and photocatalytic pollutant degradation	Rituporn Gogoi	IIT Mandi	Himachal
P15	535	Synthesis and characterization of bipolar membrane for self-humidifying hydrogen fed fuel cell	Amit Suhag	IIT Roorkee	Saharanpur
P16	517	Separation and optimization of proteins from eggshell membrane for biomedical applications	Preeti Sharma	IIT Roorkee	Saharanpur
P17	410	Synergistic effect of hybrid hydroxylated boron nitride and cellulose nanocrystals for enhancing the thermal, mechanical, and hydrophobic properties of composite film	Manoj Sathwane	IIT Roorkee	Saharanpur

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P18	347	Surface Functionalization of Polypropylene via RF Plasma	Vipula	IIT Delhi	New Delhi
P19	409	Agriculture waste derived cellulose nanocrystals: Isolation and Characterization	Shakshi Bhardwaj	IIT Roorkee	Saharanpur
P20	360	Chemically tailored liquid crystalline nanocellulose composites featuring elliptical birefringence for photonic applications	Shiva Singh	IIT Roorkee	Saharanpur
P21	320	Studies on Encapsulation of ionic liquids and antioxidant in metal organic frameworks to achieve high proton conductivity and chemical durability of proton exchange membranes	Madhuparna Ray	IIT Roorkee	Saharanpur
P22	520	Infrared reflective and hydrophobic polymer encapsulation to render organic perovskite photovoltaics moisture repellent and durable	Aneela Perumalla	IIT Madras	Chennai
P23	376	Oil-Water Separation Using Eco-friendly Membranes; Synergistic Application of Superhydrophobicity and Photocatalysis	Santhra Krishnan P	IIT Madras	Chennai
P24	315	Thermodynamic Phase Behavior studies and Molecular Dynamics simulations on Poly(sodium 4-styrenesulphonate)- Water- 1, 4- Butanediol system	Rinsha Padmarajan P. V	IIT Madras	Chennai
P25	357	Gold Nanorod Decorated Graphitic Carbon Nitride with improved Electrochemical properties for NS1 Dengue Biomarker Sensing	Priya Singh	IIT (BHU)	Varanasi
P26	775	Evaluating NiS film electrode for efficient photo-electrochemical dye degradation of Methylene Blue: A photo-electrochemical and Operando spectroelectrochemical study	Sarvatej Kumar Maurya	IIT (BHU)	Varanasi
P27	472	Cu (II) Encapsulated Thiazole-Based Porous Organic Polymers: As Efficient Catalysts for the Synthesis of Quinolines and Benzothiazoles	Ajay Kumar Sahoo	IIT Kanpur	Kanpur
P28	755	Improving osteogenic and antibacterial bone regeneration by encapsulating Sr and Ag nanoparticles in TiO ₂ nanotubes	Konduru A K Raju	NIT Rourkela	Odisha
P29	757	Development of Herbal Scaffold for Bone Tissue Regeneration	Samapti Padhiary	NIT Rourkela	Odisha
P30	573	An Equivalent GNF Model as an Efficient Approximation for Flow Analysis Of Polymer Solutions	Indranil Saha Dalal	IIT Kanpur	Kanpur
P31	523	Mechanically Deformed Covalent Organic Framework as Efficient Photocatalyst for Reduction of Hexavalent Chromium and Fenton reaction under visible light	Swadhin Kumar Jena	IIT Mandi	Mandi
P32	785	Thermoacoustic textiles and its applications	Siddhi V S Rao	IIT Delhi	New Delhi

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P33	773	Evaluating Zn ferrite ($Zn_xFe_{3-x}O_4$; $0 \leq x \leq 1$) for alkaline water oxidation: An electrochemical and Operando spectroelectrochemical study	Amisha Soni	IIT (BHU)	Varanasi
P34	628	Enhancement of ammonia gas sensitivity and selectivity at room temperature by PBTTT-C14/MoS ₂ -QDs hybrid film based OFET fabricated via Floating Film Transfer method	Shipra Gupta	IIT (BHU)	Varanasi
P35	558	The utilization of Low-cost natural mucilage as a binder for dry compaction of quartz waste	Jyoti Kumari	IIT (BHU)	Varanasi
P36	416	Li-Al based Nanostructured Inorganic Layered Double Hydroxide for efficient drug delivery for cancer treatment	Swapan Maity	IIT (BHU)	Varanasi
P37	722	Effect of UHMWPE blending on its foam processability using supercritical carbon dioxide (sc-CO ₂) technology	Prashant Mani Shandilya	IIT Delhi	New Delhi
P38	721	Crystallinity Studies of PP-TiO ₂ Nanocomposites under Supercritical CO ₂ treatment	Mayank Prakash	IIT Delhi	New Delhi
P39	691	Development of antimicrobial dressing coated with alginate/glycerol/tannic acid blend	Ankita Sharma	IIT Delhi	New Delhi
P40	614	Design of a Cost-Effective water Heating System by using Nonwoven Textile Material as A Substrate	Sudhanshu Singh	NIT Jalandhar	Jalandhar
P41	459	Development of fenugreek gum-based hydrogels as an adsorbent for wastewater treatment	Jyotendra Nath	NIT Srinagar	Srinagar
P42	325	Reduced Phosphorene Incorporated Biopolymer Composite Based Electronic Biosensors for the Detection of Uric Acid	Nasrin Sultana	IASST	Guwahati
P43	362	Designing of Infection Resistance Polyurethane Biomedical Implant	Manali Somani	IIT Delhi	New Delhi
P44	349	ZnO/chitosan Sacrificial Composite Template for Synthesis of High Surface Area Porous ZnO	Rahul Chaudhari	DIAT	Pune
P45	675	PET like Plastic: New Generation of Bioplastics from Corn-starch	Ketaki Samanta	IISC Bangalore	Bangalore
P46	402	Harvesting of energy from real waste water using micron scale Microbial fuel Cell	Aparajita Roy	IIT Guwahati	Guwahati
P47	607	Polyoxometalates immobilized carbon nanotube constructs triggered through host-guest assembly results in excellent electromagnetic interference shielding	Kunal Manna	IISC Bangalore	Bangalore
P48	475	Imidazole integrated porous organic polymer: a highly efficient organocatalyst for one-pot synthesis of 2-amino-3-cyano-4H-pyrans and spirochromenes	Alka Karn	IIT Kanpur	Kanpur

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P49	476	Continuous flow synthesis of disordered covalent organic framework for ultra-high removal of industrial pollutants in flow	Astha Singh	IIT Mandi	Mandi
P50	407	Polyoxometalates based inorganic-organic hybrid polymeric materials for underwater adhesion	Ganga Singh	IIT Ropar	Ropar
P51	341	Biopolymer Immobilization on Hydrophilic and Hydrophobic Surfaces	Sanu Sarkar	IASST	Guwahati
P52	329	High drug loading nanoparticles stabilized with autologous serum proteins passively inhibits tumor growth	Mimansa	INST	Mohali
P53	654	Green Synthesis and characterization of a novel bio-based membrane for female hygiene application	Roshni Pattanayak	CIPET	Bhubaneswar
P54	657	Development of a novel modified Polyurethane based composite for vascular graft tissue engineering application	Tusharkanta Nayak	CIPET	Bhubaneswar
P55	358	Designing of Biopolymer Based Functional Nanomaterial For Biomedical Applications	Chetna Verma	IIT Delhi	New Delhi
P56	468	Plant derived graphite synthesis and characterized for detoxification of Industrial toxic chemicals	Siddhartha Dan	NIT Jalandhar	Jalandhar
P57	372	Synthesis, Characterization, and visible-light-driven photocatalysis of organic pollutant using heterostructure oxides	Aarti Sharma	SLIET Longowal	Sangrur
P58	368	Synthesis of PAN/Fe-MOF electrospun nanofibre and application as fluoroprobe for detection of carbonyl group	Gagandeep Kaur	SLIET Longowal	Sangrur
P59	650	Piezoelectric and calcium ion synergistic approach for UCMSC differentiation into cardiomyocytes for Cardiac Tissue Engineering	Navita Salaria	INST	Mohali
P60	789	Synthesis and study of mechanical strength in phenol-naphtholic derived epoxy and vinyl ester resins	Nirmal Rathore	MLS Univ.	Udaipur
P61	790	Polyacrylamide based hybrid hydrogel derivatives for their various sustainable environmental applications	Pooja Badsara	MLS Univ.	Udaipur
P62	788	Phytochemical screening and Antimicrobial evaluation of Nickel Nanoparticles derived from Ixora Coccinea (Leaves) via facile and sustainable synthesis approach	Megha Yadav	MLS Univ.	Udaipur
P63	706	Phytochemical Screening; Green Synthesis, characterization and Biological significance of Cadmium Nanoparticles from using Nyctanthes arbor-tristis (Leaves)	Chetna	MLS Univ.	Udaipur
P64	787	Biogenic Synthesis of Iron Nanoparticles using Ficus benjamina leaf extract for validating their in-vitro Antibacterial and Antifungal susceptibility	Chesta Mehta	MLS Univ.	Udaipur
P65	710	Branched Flourinated Polymer Gold Nanoclusters for cancer theranostics	Priyanka Sharma	INST	Mohali