

POSTER PRESENTATION

Reg. No	Title	Presenting Author	Institute	City
8	Gamma Radiations Induced Adaptations in Lexan	Meenakshi Choudhary	Govt. College Bawal	Mewat
16	Polymeric Flocculant for Separation of Kaolin	Suresha P. R.	CSIR-National Chemical Laboratory	Pune
19	Guar Gum Propionate Transparent Films for Microbial Contact Killing and Food Packaging Applications	Aatrayee Das	University of Calcutta	Howrah
21	Synthesis of AZO Linked Polymers for Photovoltaic Applications	Savita Meena	IIT Delhi	New Delhi
25	Guar Gum Cinnamate Synthesis and Ouzo Nanoparticles: Dual Action Antibiotic Carriers Against Stubborn Gram Negative Bacteria	Sonia Kundu	University of Calcutta	Howrah
28	Silibinin Loaded Xanthan Gum Nanoparticles for Controlled Drug Delivery: Effect of Surfactant	Plabita Gogoi	Tezpur University	Tezpur
29	Wettability Studies on Thermo-Sensitive Poly(N-Isopropylacrylamide-Block-Styrene)	Sanjeevi Prasath	Sathyabama University	Chennai
36	Fabrication of Tunable And Durable Bulk-Superhydrophobic Material from Amine 'Reactive' Formable Polymeric Gel	Adil Majeed Rather	IIT Guwahati	Guwahati
41	Functionalized Biopolymer Nanoparticles Stabilizes Serum Albumin Native Structure and Restricts Amyloid Formations	Aalok Basu	University of Calcutta	Durgapur
43	Bioactive Glass for Applications Beyond Bone Regeneration	Nidhi Gupta	Delhi Technological University	Delhi
46	Effect of Radiation Treatment in Combination with Additives on Lignocellulosic Biomass for its Enhanced Yield of Fermentable Sugars	Khushboo Kapoor	Shriram Institute for Industrial Research	Delhi
57	Soybean Oil and Recycled Polyethylene Terephthalate Waste Derived Biopolymer for Tissue Engineering Application	Krishanu Ghosal	Calcutta University	Chandannagar
60	Polybenzoxazine-Iron Nanoparticles Composite: Dual Benefit Magnetism and Lowering of Cure Temperature	Monisha Monisha	Shiv Nadar University	Uttar pradesh
65	Surface Roughness Evaluation In Drilling of Syntactic Foams	Ashrith H S	National Institute of Technology	Surathkal
67	Chitosan-Based Self-Healing Hydrogel for Bioimaging	Santu Maity	Indian Institute of Engineering Science & Technology	Howrah
68	Self-Healing Polymer as Smart Material with Fluorous Gradients	Anil Kumar Padhan	IIT Ropar	Roopnagar
69	Bio-Inspired Piezoelectric Polymeric Nanofibers For Self-Powered Healthcare Monitoring	Sujoy Kumar Ghosh	Jdavapur University	Kolkata
71	Morphology and Ionic Conductivity Studies of PVDF HFP/LiClO ₄ Electrolyte Film before and after Electron Beam Irradiation	Yesappa L	Mangalore University	Dakshina Kannada

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76	Low Viscosity HPMC as Precipitation Inhibitor in Second Generation Solid Dispersion of a Poorly Water-Soluble Drug	Dhruti Avlani	NSHM	Kolkata
79	Homopolymer and Copolymer Synthesis via Esterification of N-Substituted Phthalimide with Acrylates	Suman Jinger	MLSU, Rajasthan	Udaipur
82	Ferroelectric and Mechanical Behavior of PVDF/TiO ₂ Nanofiber Mat for Energy Harvesting from Body Motion And Acoustic Noise	Md Meheebub Alam	Jadavpur University	Kolkata
83	Electrospun Poly(L-Lactic Acid) Nanofibers as Piezoelectric Electronic Skin for Human Physiological Signal Monitoring	Ayesha Sultana	Jadavpur University	Kolkata
86	Structural and Thermal Properties of Polyaniline - Copper Oxide Nano Composite	Ashokkumar S P	Mangalore University	Mangalore
94	Mechanical Properties of Castor Oil Based RPUF: Effect of Low Cost Fillers	Anuja Agrawal	Delhi Technology University	Delhi
96	Atrp Synthesis of Fluorescent Star Poly(Methylmethacrylate) _S	Gopinath A	University of Madras	Chennai
98	Polyurethane Dendrimers Functionalized with TEMPO Radicals up to Fourth Generation	Mohamad Ali B	University of Madras	Chennai
99	Structural and Morphological Analysis of Newly Synthesized CuO@Alginate Nanocomposite with Enriched Electrical Properties	Vasi Uddin Siddiqui	Jamia Millia Islami	New Delhi
100	Synthesis and Morphological Studies of Novel GO@ZrO ₂ -PANI Nanocomposite with Enhanced Dielectric Properties	Mohd Zaid	Jamia Millia Islamia	New Delhi
105	Production of High Molecular Weight and Low Crystallinity Poly(3-Hydroxybutyrate) From Using Recombinant E. Coli Strain Jm109	Ganesh Mohan	Bharathidasan University	Tiruchirappalli
106	Controlling B-Phase In PVDF Through ZnO Nanofiller and Enhanced Nanogenerator Performance	Huidrom Hemojit Singh	IIT Delhi	New Delhi
108	Optical and Electrical Studies of Copper Oxide Nanoparticles Embedded Polyaniline Nano Composites	Niranjana M	Mangalore University	Dakshina Kannada
109	Mechanically Versatile Double Network Hydrogels From Carboxymethyl Xyloglucan and Poly(Hydroxyethyl Methacrylate-Co-Trimethylolpropane Allyl Ether)	Arun Torris	CSIR-National Chemical Laboratory	Pune
114	Creation Of Polymeric Biosurfactants Using Non-Edible Fatty Materials	Divya Bajpai Tripathy	Gautam Buddha University	Greater Noida
115	Design and Synthesis of Functionalized Fluorescein Based Hydrogel and The Effect of pH on Fluorescence Intensity	Dipika Pan	Indian Institute of Engineering Science and Technology	Howrah
116	Synthesis Of Lysine Mimicking Membrane Active Antimicrobial Polymers	Ankita Arora	IIT Gandhinagar	Gandhinagar
117	Antibacterial Activity of Antimicrobial Peptide (AMP) Grafted Polystyrene Surface	Sasmita Majhi	IIT Gandhinagar	Gandhinagar

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119	Novel Polymeric Adsorbent For The Remediation of Cu(II) ions from Water	Nida Fakhar	Jamia Millia Islamia	New Delhi
121	Blending of Polyethylene Terephthalate Bottle Waste Along With Polyethylene Bag Scraps Using Ionomers into Secondary Product as an Efficient Plastic Reuse	Divya Rajasekaran	IIT Roorkee	Saharanpur
122	Quasi-Static Compressive Response of Thermoplastic Syntactic Foam	Jayavardhan M I	NIT Karnataka	Surathkal
123	Chitosan/Gum Acacia Polyelectrolyte Complex for Controlled Drug Delivery	Bably Khatun	Tezpur University	Tezpur
126	Eggshell Membrane Protein Modified Acellular Goat Dermal Scaffold for Potential Application in Skin Tissue Engineering	Archna Dhasmana	IIT Roorkee	Saharanpur
127	Effect of Drug-Polymer Ratio on Ketoconazole Release from Ethylcellulose Based Microsponges	Priyanka Ghosh	NSHM Kolkata	Howrah
128	Electrical Properties of Doped Poly (O-Toluidine)	Navdeep Sharma	A.P.Goyal Shimla University	Shimla
131	Halogen Free Flame Retardant: Phosphorus-Based Polybenzoxazine Resins	Nagarjuna Mahadas Amarnath	Shiv Nadar University	Dadri
132	Separation of Polycyclic Aromatic Hydrocarbons from Model Diesel Composition via Pervaporation Using a Fabricated Aromatic Polyimide Membrane	Sayan Roychowdhury	University of Calcutta	Kolkata
133	Development of Blend Hydrogel of Guar Gum / Polyvinyl Alcohol for Agriculture Applications	Sudha	Mohan Lal Sukhdia University	Delhi
135	Polyurethane Grafted Alpha Cyclodextrin Copolymers as a Drug Delivery Vehicle	Aparna Shukla	IIT BHU	Varanasi
136	Fabrication of Conducting Copolymer Composite Sheets for Emi Shielding	Rakesh Kumar	PDM University	Delhi
137	Chemo-Rheology and Mechanical Properties of Epoxy-Glass Balloon Syntactic Foams	A.V. Ullas	Delhi Technological University	Lucknow
138	In Situ Mineralization of CaCO ₃ Nanoparticles in Pectin Based Hydrogel System for Oral Drug Delivery Applications	Meenakshi Gautam	Delhi Technological University	New Delhi
140	Evaluation and Characterization of Bacterial Extracellular Polymeric Substances Using Different Oil Substrates in Culture Medium and Their Scope of Applications	Dipanjan Sengupta	University of Calcutta	Kolkata
141	Artificial Neural Network Modeling to Predict Bacterial Attachment on Composite Biopolymeric Scaffold	Shailendra Singh Shera	IIT BHU	Varanasi
142	Effect of PP And PP-g-MA on Mechanical Properties of PA6/PP Blends	Aparna S	BITS-Pilani	Hyderabad
144	Synthesis and Characterization of Cobalt (II) Nanocoposite Using Chemical Precipitation Method	Giriraj Tailor	M.L.S. University	Udaipur

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146	Tuning the Rheological Performance of Shear Thickening Fluid (STF) Using Nanofibrillated Cellulose	Aranya Ghosh	IIT Delhi	New Delhi
147	Development of Novel Dry Lubricant by Modification of Graphite with PTFE	Sachin Singh	Shriram Institute for Industrial Research	Delhi
148	Structural and Electrical Studies on PVA/PBP-Based Polymer Blend Electrolyte for Solid State Electric Double Layer Capacitors	Neetu Yadav	University of Delhi	Delhi
150	Hierarchical Fabrication of A Bilayered Scaffold Comprising Polycaprolactone Nanofiber Electrospun on Microfibrinous Eggshell Membrane for Wound Healing Applications	Preetam Guha Ray	Jadavpur University	Kolkata
151	Herbal Synthesis of Ag Nanoparticles And Screening Its Antibacterial Activity	Shikha Sharma	Jamia Millia Islamia	New Delhi
152	Influence of Slant Length of the Mold on Wall Thickness Distribution of Thermoformed Products	Satish Kommoji	UPES	Guntur
155	Analysis of Tensile Properties of Cenosphere/Epoxy Syntactic Foams	Kiran Hanmant Shahapurkar	National Institute of Technology	Mangalore
157	Sodium-ion Capacitors Fabricated Using Microporous Polymer Membranes	Nitish Yadav	University of Delhi	Delhi
159	Synthesis of New Spherical Nanocellulose-Based Surfactants	Bhagat Ram	H.P.University	Shimla
171	Functional Fibrous Scaffolds via Emulsion Electrospinning	Anilkumar Yadav	IIT Delhi	New Delhi
172	Bio-Based Waterborne Hyperbranched Polyester Carbon Based Nanocomposite with Biodegradable Attribute for Advanced Applications	Deepshikha Hazarika	Tezpur University	Tezpur
173	Sustainable Resource Based Tough Hyperbranched Polyurethane/Carbon Dot-Ag Nanocomposite: A Prospective Rapid Self-Expandable Stent	Rituparna Duarah	Tezpur University	Tezpur
174	Development of Bio-Based Hyperbranched Epoxy and its Nano Composite with Polyaniline/Carbon Dot Nanohybrid	Aditi Saikia	Tezpur University	Tezpur
176	Triboelectric Based Kinetic Energy Harvesting using Polydimethylsiloxane (PDMS)	Amit Sharma	Jawaharlal Nehru University	New Delhi
177	Development of Breathable and Waterproof Fabrics by Deposition of Electrospun Polyurethane and Nanosilica on Cotton and Polyester Fabric	Priya Bansal	Delhi Technological University	Delhi
179	Mechanical Properties of Chicken Feather Fibre Reinforced Natural Rubber Composites	Divia Pazhayakandathil Sreenivasan	MES KVM College	Malappuram
180	Development of Antimicrobial Polyacrylonitrile Microspheres	Avneet Kaur	IIT Delhi	New Delhi
181	Anti-Cancer Peptide Delivery Using Biodegradable Polymeric Nanoparticles for Cancer Therapy	Neha Mehrotra	IIT Delhi	New Delhi

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182	Development of Wood Polymer Nanocomposites Based on Methacrylic Anhydride Modified Epoxidized Soybean Oil	Moon Mandal	Tezpur University	Tezpur
185	Synthesis and Characterization of Biocompatible MoS ₂ Nanosheets for Photodynamic and Photothermal Therapy Applications	Jyoti Choudhary	CSIR-National Physical Laboratory	Delhi
186	Chemically Modified Epoxidised Soyabean Oil Based Composites Reinforced with Keratin Fiber	Gitashree Gogoi	Tezpur University	Tezpur
187	Development of Synthetic Novel Antimicrobial Polymers (SNAPs) for the Treatment of Surgical Site and Implant Associated Infections	Sumana Ghosh	Vyome Biosciences Pvt Ltd	Delhi
188	Functional Nano-Objects from Block Copolymer/Quantum Dot Hybrids via Self-Assembly Approach	Sajan Singh	IIT Delhi	New Delhi
189	Effective Conducting Coating of Electrospun Piezoelectric PVDF Nanofibers for Flexible Electronics Applications	Kuntal Maity	Jadhavpur University	Kolkata
191	Development and Characterisation of Triclosan Incorporated Polyhydroxybutyrate-Covalerate Films for Packaging Applications	Prabhjot Kaur Sabharwal	IIT Delhi	New Delhi
192	Experimentally Developed Hydrogel Improves Skin Delivery of Voriconazole, Antifungal Agent: an in- Vitro Study	Swapno Chanda	Jadavpur University	Kolkata
193	Polyurethane/Graphene Nanocomposite Based Films With Improved Tensile and Helium Gas Barrier Property	Bapan Adak	IIT Delhi	New Delhi
198	Crosslinked Hydrazide-Based Polymers As Cr(VI) Ions Adsorbents	Umesh Kumar Dautoo	Himachal Pradesh University	Shimla
203	Fabrication of Electrospun TiO ₂ Filled Carbon Nanofibers for Lithium Sulfur Batteries	Avinash Raulo	IIT Delhi	New Delhi
207	LDH Decorated Cotton: A Novel Material for Textile Industry	Sunita Barik	Utkal University	Bhubaneswer
210	Investigations on the Foamability of Styrene-Ethylene-Butylene-Styrene (SEBS) Nanocomposites	Ritima Banerjee	IIT Delhi	New Delhi