

APA 2024 Jaipur | Oral Presentation

ABS ID	ABS.Title	Full Name	Institution/Affiliation	City
3	Moringa oleifera Enriched Carrageenan-PEG-Lecithin Hydrogel Membrane as an Advanced Wound Dressing Material	Pratibha Singh	Indian Institute of Technology Delhi	New Delhi
7	Designing of Infection-Resistance Polyurethane Films	Manali Somani	Indian Institute of Technology Delhi	New Delhi
46	Improving the performance of thermal liner of fire protective clothing with aerogel technology	Rochak Rathour	Indian Institute of Technology Delhi	New Delhi
105	Direct 3D Printing of Decellularized Matrix with Thermoplastics for Osteochondral Regeneration	Sumit Murab	Indian institute of Technology	Mandi
147	Polysaccharides-nanoparticle hydrogels for biomedical applications	Havazelet Bianco-Peled	Technion - Israel Institute of Technology	Israel
150	Polyolefin/pistachio shell biocomposites: Mechanical, rheological, thermal and morphological properties	Manjeet Singh	Bhabha Atomic Research center (BARC)	Mumbai
156	Integration of homeopathy and biomedicine: Development and Evaluation of nanofibrous matrices loaded with homeopathic mother tincture of Syzygium cumini for wound healing applications	Bhisham Singh	Manipal School of Life Sciences	Manipal
160	Surface phases and the interfacial dilatational response of the supramolecular complex of the poly(styrene)-b-poly(4-vinyl pyridine) and 3-n pentadecyl phenol at interfaces	Padmanabhan Viswanath	Centre for Nano and Soft Matter Sciences	Bengaluru
165	Surface-modified Polysulfone Ultrafiltration Membrane-Antibacterial and Antifouling Analysis	Uttam Kumar Mandal	Guru Gobind Singh Indraprastha University	New Delhi
166	Propane-1,3-bis(hexadecyldimethylammonium bromide)-bentonite-based novel hybrid material for the elimination of textile dyes	Ajmal Koya Pulikkal	National Institute of Technology Mizoram	Aizawl
169	Effect of surfactants on dispersion of SWCNT in N-methylmorpholine N-Oxide for dissolution of cellulose	Geetanjali Mishra	The Bombay Textile Research Association	Mumbai

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170	Alkaline Resistance Polymer Coating on Polyester for Geosynthetic Applications	Shyam Sainik	The Bombay Textile Research Association	Mumbai
175	Design and synthesis of piperazine-based water-dispersible polyurethane coatings for biomedical applications	Anchal Gupta	Indian Institute of Technology Delhi	New Delhi
178	Effect of polyolefin elastomer (POE) variants on mechanical, heat-shrinkable, electrical and morphological properties of LLDPE-POE blends	Rohini Agarwal	Bhabha Atomic Research Centre, Mumbai	Mumbai
180	Modelling the Preferential Conformations and Infrared Spectra of Poly (L-Lactic Acid) Homopolymer by L-lactic Acid Oligomer: Quantum Chemical and Density Functional Theory Investigation	Sagar Marathe	S K Somaiya College, Somaiya Vidyavihar University	Mumbai
181	Sustainable production of Nitrogen-Doped Carbon dots for electrospun fibrous packaging films	Ankit Tyagi	Indian Institute of Technology	Jammu
198	Dextran and its Derivatives as Fouling-resistant Polymers for Surface Modification of Cotton Gauze	Debirupa Mitra	BITS Pilani Hyderabad Campus	Hyderabad
201	Study on Effects of the Multifunctional TPE mat on the Thermal Performance of Wireless Charging Systems	Ikhlas Chandkoti	Uno Minda Ltd	Pune
202	Fabrication and Development of Smart Polymer Composite Based on Low Density Bulk Moulding Compound for Automotive Reflector	Amol Tarachand Naikwadi	Uno Minda Ltd	Pune
207	Advanced technologies for controlling pests	Rathna Vn Gundloori	CSIR-National Chemical Laboratory	Pune
214	Novel polymeric hydrogel mimics the cellular microenvironment and promotes neurite growth with protection from oxidative stress	Pradip Paik	Indian Institute of Technology (BHU)	Varanasi
229	Dissolvable microneedles for the rapid delivery of drugs: Development and evaluations	Rosemary M J	HLL Lifecare Ltd.	Trivandrum

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230	Development of smart piezoelectric strain sensors for Breath Monitoring and Pulmonary Function Analysis	Debashish Nayak	CIPET:SARP-LARPM	Bhubaneswar
236	Self-stratified Multifunctional Hybrid Coating with Self-Healing ability for Superior Adhesion Strength and Hardness	Debaprasad Mandal	Indian Institute of Technology Ropar	Punjab
237	Enhanced dye rejection studies using nanocomposite zeolite infused PPSU membranes	Vijesh A. M.	Payyanur College	Payyanur, Kannur
268	The development of germicidal textiles based on MXene	Subhankar Maity	Uttar Pradesh Textile Technology Institute	Kanpur
269	pH-Responsive Bio-based Materials for Enhanced Agricultural Fertilizer Efficiency	Mehdi Khouloud	UM6P	Morocco
286	Microwave-assisted bio-vitrimer/rGO framework for Anti-corrosion applications	Sravendra Rana	UPES	Dehradun
294	Synthesis and Modification of NBN-Integrated Vinyl Polymer to Explore High-Performance Rubber Materials: Design, Synthesis and Application	Subrata Dolui	Hiroshima University	Japan
300	The curing kinetics of novel phthalonitrile resin system by model-based and iso-conversional kinetic model	Ajit Shankar Singh	DMSRDE (DRDO)	Kanpur
301	Design and Fabrication of Polymeric Substrates For Flexible Optoelectronic Devices	Uday Shankar	Indian Institute of Technology (BHU)	Varanasi
308	Effect of regenerated cellulose derived from coconut shell powder on functional properties of poly vinyl alcohol based biocomposites	Pradeepa K. G.	Sri Jayachamarajendra College of Engineering, JSS Science and Technology University	Mysore
326	Patterned bacterial cellulose patches for multi-drug release in wound management	Mohammed Arif Khan	Indian institute of technology, Hyderabad	Hyderabad

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337	Study of Rheological and Thermo-dynamical Properties of Phosphorylated Phthalonitrile Resin matrix (2c) for Aerospace Applications	Jeetendra Kumar Banshiwal	DMSRDE	Kanpur
339	Role of Different Layered Double Hydroxides (LDH's) on the Properties of PMMA nanocomposites: A Comparative Study	Manish Kumar	Harcourt Butler Technical University	Kanpur
341	Phytosynthesis of Iron oxide Nanoparticle for Evaluating its Antibacterial Susceptibility	Giriraj Tailor	MLS University	Udaipur
343	Mechanical Properties of semi-IPN nanocomposites consist of carbon black loaded natural rubber and sodium carboxymethyl cellulose	Mohanan A	Nehru Arts and Science College Kanhangad	PADNEKAT
345	Development and Characterization of Eco-friendly, Active Food Packaging Films based on Strach/k-Carrageenan Blends Reinforced with Flyash and Functionalized by Eucalyptus oil	A B Hemavathi	SJCE, JSS STU	Mysuru
378	Visible-Light-Mediated and Chlorophyll Catalysed Ultrafast Oxidation of Thiols	Neetu Kumari	Mohanlal Sukhadia University	Udaipur
393	Effect of addition of PLA as tolerant on the thermomechanical and compostability behaviour of PBAT/TPS Blend	Rahul Dubey	Ravenshaw University, Cuttack, Odisha	Cuttack
406	Redox responsive folic acid conjugated PLA-PEG nanoparticles for co-delivery of pirarubicin & salinomycin: Targeted breast cancer therapy in-vitro and in-vivo	Ankushi Bansal	Indian institute of Technology, Delhi	New Delhi
411a	Introduction to Team Wiley and Wiley Journals	Subhabrata Mukhopadhyay	Wiley	India