



Poster Presentations | 25th Feb'2023 | Day 3

S. No	ABS No.	Title	Presenting Author	Institution	City
P66	612	Comparative study on surface functionalization of PTFE by plasma treatment with different gases for biomedical applications	Shimna M	CIPET	Bhubaneswar
P67	602	Carboxymethylated chitosan/cellulose acetate nanocomposite for biomedical applications	Sumi Vincent	CIPET	Bhubaneswar
P68	542	Development and analysis of polylactic acid/Polybutylene succinate based blown films towards mulching application	Anupam Kumar Gupta	CIPET	Bhubaneswar
P69	546	Development of Poly (lactic Acid) (PLA) based Blend Films as a Substitute for the Petroleum based Plastic Films in the Field of Plastics	Manmath Parida	CIPET	Bhubaneswar
P70	547	Development of polymeric biocomposite scaffolds via 3D printing technology for bone tissue engineering application	Ipsita Pattanayak	CIPET	Bhubaneswar
P71	550	Characterisation and Distribution of inflow of microplastics from Damanganga and Tapi river and Dumas beach, Gujarat, India	Girija Prasad	CIPET	Bhubaneswar
P72	551	Development of Bio-based Multilayer Packaging film for Food packaging Application	Baba Linkanmani Sahoo	CIPET	Bhubaneswar
P73	553	Plasma treated bio derived sisal reinforced flame retardant Thermoplastic Polypropylene composites: A study on mechanical, thermal, morphological, Acoustic and flammability characteristics	Malaya Ranjan Parida	CIPET	Bhubaneswar
P74	555	Efficiency enhancement of solid-state dye sensitized solar cell by incorporation of SWCNT into electrolyte system	Manoj Kumar Mallick	CIPET	Bhubaneswar
P75	556	Diketopyrrolopyrrole based D-A Copolymers: Synthesis, Characterization and their Photophysical Properties	Pranshula Panigrahi	CIPET	Bhubaneswar
P76	503	Enhancement of Barrier and antimicrobial properties of Sodium-metasilicate Modified Guar-gum/PVA film for packaging application	Pooja Priyadarsini	CIPET	Bhubaneswar
P77	394	Studies of Synergetic Effect of Zirconium and Magnesium on Structural and Biological Properties of Mesoporous Bioactive Glass	Pragyan Aparajita Dash	CIPET	Bhubaneswar
P78	393	Flexible Polymer Substrate for Mechanical Energy Harvesting Using a Coating of BCT-based Piezoelectric Ink	Bibhudutta Das	CIPET	Bhubaneswar
P79	570	Preparations of carrageenan-PEG-Lecithin hydrogel membranes enriched with Moringa oleifera as a wound dressing material	Pratibha Singh	IIT Delhi	New Delhi

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P80	389	An Overview on Design and Biomechanical Analysis of Uncemented 3D printed Structurally Porous Auxetic Femur Meta-implants	Lakshyajit Behera	CIPET:SARP-LARPM	Bhubaneswar
P81	448	UHMWPE Impregnated CNT Macrostructures with Improved Packing Density for Superior Mechanical Performances	Mamta Rani	NPL New Delhi	New Delhi
P82	627	Enhanced mechanical stability and sustained release performance of nanoclay reinforced microcapsules	Yogeshwar Aher	CSIR-NCL	Pune
P83	665	Indigenous Bipolar Plate Development for Hydrogen Fuel Cell Application	Prashant Arvind Patil	CSIR-NCL	Pune
P84	658	Controlling Material & Process Defects in Extrusion Film Casting Using Polymer Composites	Dhammaraj S. Rokade	CSIR-NCL	Pune
P85	649	3D printing of modified nanocellulose/PLA nanocomposites	Animesh Gopal	CSIR-NCL	Pune
P86	488	A study on synthesis of carbon fibers from mixture of coal tar pitch and petroleum pitch using chemical stabilization process	Sonu Rani	CSIR-NPL	New Delhi
P87	445	Solid-state linear supercapacitor based on CNT yarn with multi-featured properties for wearable devices	Mayank Pal	CSIR-NPL	New Delhi
P88	533	Thermoelectric Properties of MWCNTs: Effect of Gaseous Environment and Doping	Manoj Sehwat	CSIR-NPL	New Delhi
P89	560	ZnO doped alginate membrane fabrication for Congo red dye removal from wastewater	Sachin	CSIR-NPL	New Delhi
P90	563	Structural changes in toluene insoluble fraction of pitch polymer with different processing conditions	Khushboo Kumari	CSIR-NPL	New Delhi
P91	594	Dehydration of Tetrahydrofuran using ABPBI based Hollow Fiber Membranes	Lavanya Alladi	CSIR-NCL	Pune
P92	566	Avidin-Biotin functionalized Self-Assembled Protein Nanoparticles as Egfr Targeted Therapeutics for The Treatment of Lung Cancer: Characterization and Cell Viability	Drishti Sunil Panjwani	Parul Institute of Pharmacy	Vadodara
P93	565	Development of Surface Conjugated Block Co Polymeric Micelles as Targeted Therapeutics: Characterization And In-Vitro Cell Viability	Shrutiben Patel	Parul Institute of Pharmacy	Vadodara
P94	634	Carbon Black Distribution Driven by Its Concentration And Its Effect on Physico-Mechanical Properties of Styrene Butadiene Rubber and Butadiene Rubber Miscible Rubber Blends	Abitha V K	Mahatma Gandhi Univ.	Kottayam
P95	625	Graphene silica conjugate reinforced epoxy coatings for the corrosion protection of aluminum alloy	Jesiya Susan George	Mahatma Gandhi Univ.	Kottayam
P96	635	Effect of graphene oxide-silica hybrid fillers on the static and dynamic mechanical properties of natural rubber nanocomposites	Prajitha V	Mahatma Gandhi Univ.	Kottayam

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P97	663	Obtaining micro and nanocrystalline cellulose from agricultural waste by the soft organo-solvent method	Paul Jacob	Mahatma Gandhi Univ.	Kottayam
P98	499	Fluorescence probe synthesised from biomass that is bifunctional, highly selective, and sensitive for detecting and eliminating arsenic (III) in water	Preeti Tewatia	Panjab University	Chandigarh
P99	481	Effective biocatalyst developed via genipin mediated acetylcholinesterase immobilization on rice straw derived cellulose nanofibers for detection and bioremediation of organophosphorus pesticide	Kavita Sharma	Panjab University	Chandigarh
P100	469	Combining cellulose nanofibres with microporous organic polymer for mercury detection and removal	Sumit Sharma	Panjab University	Chandigarh
P101	411	Greening Biobased Polybenzoxazine Network: Phytic Acid as an Initiator, Flame Retardant, & Adhesive Modulator	Vaishaly Duhan	Shiv Nadar University	New Delhi
P102	732	Synthesis and Characterization of Bimetallic-Semi-Aromatic Polyester Nanocomposite for Biomedical and Environmental Applications	Shaily Chauhan	Sharda University	Greater Noida
P103	395	In Vivo Toxicological Analysis of MnFe ₂ O ₄ @poly (tBGE-alt-PA) Composite as A Novel Hybrid Nanomaterial for Possible Biomedical Use	Rohit Kumar	Sharda University	Greater Noida
P104	377	Investigation of Electrical and Mechanical Properties of DMF Doped PEDOT:PSS/PVA Stretchable Polymeric Films	Sanjib Sau	IASST	Guwahati
P105	363	Cellulose Nanocrystal Embedded Liquid Crystal Elastomers for Soft Actuation	N Santhiya	Alagappa University	Karaikudi
P106	541	Ipriflavone as an emerging solution for Osteoporosis: In vitro, In vivo Screening and Formulation of a Nano Emulsion	Anish John	NGSMIPS	Mangalore
P107	536	Alginate microspheres containing polymer-induced liquid exfoliated tungsten disulfide for bone tissue engineering	Pandurang Dalavi	Yenepoya Research Centre	Mangalore
P108	518	Synthesis of an Advanced Self-Healing Polymer Electrolyte for Li-ion batteries (LIBs)	Asish Kumar Sahu	Ravenshaw University	Cuttack
P109	507	Fabrication of AgNP/Pectin Composite For Biomedical Applications	Aashi Singh	BCAS	New Delhi
P110	492	A case study on circular bioeconomy through valorization of Pomegranate Peels (Punica granatum)	Shivali Singh Gaharwar	VNIT	Nagpur
P111	432	Synthesis and Characterization of Hydrophilic/Hydrophobic Nanogels for its Application in Acrylic Denture Softliners	Anusree V S	SCTIMST	Calicut

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P112	423	Polypeptide-based electrically conductive hydrogel scaffolds for neural tissue engineering	Supriya Jain	Yenepoya	Mangaluru
P113	417	Study of applications of Chitosan/Gelatin based Hydrogels in sustained release of Nitrogenous fertilisers into soil	Sreedev P	Government College Kasaragod	Kasaragod
P114	412	Thermal, Structural, Spectroscopic, and Optical Properties of Calcium Doped ZnO Nanoparticles Synthesized by Co-Precipitation Method	Ganesha K N	Yuvaraja'S College	Mysore
P115	593	A new bio-based plasticizer for poly(vinyl chloride) based on epoxidized Cassia fistula Seed oil	Chetan Vijaysing Rajput	S P Univ. Anand	Gujarat
P116	596	Bio-Based Hyperbranched Polymer Nanocomposites for Coating Application	Amardip Murlidhar Patil	KBCN Maharashtra Univ.	Jalgaon
P117	544	Influence of Surfactant on Electrospinnability of Polycaprolactone Solution and its Properties	Vandana Kumari	IIT Delhi	New Delhi
P118	730	Development of Polyvinyl Alcohol/Alginate membranes for Biomedical Applications	Shiv Kumar Upadhyay	IIT Delhi	New Delhi
P119	762	Antimicrobial Silicone Catheter by In-situ grafting of Nanosilver Nanohydrogel	Bhuvanesh Gupta	IIT Delhi	New Delhi
P120	697	ZnO nanoparticles/ethyl cellulose-based nanocomposite coating solution for the extended storage life of tomatoes: a study of phytochemicals and proximate analysis	Susheel Kalia	Army Cadet College	Dehradun
P121	643	Preparation and characterization of PDMS coated PVDF based durable hydrophobic membrane for water desalination	Mahendirav arman Elangovan	Annamalai University	Cuddalore
P122	626	Electroactive Shape memory Polyurethanes (eSMPUs) based on optimized Graphene nanoplatelets (GNP) composites	Yadagiri Naik Banothu	DYSL-SM (DRDO)	Hyderabad
P123	677	Polysaccharide-based injectable Hydrogel for Bone Tissue Engineering	Malika	INST	Mohali
P124	624	Development of Zn-Hydroxyapatite/Carbon Nanofiber/Alginate composite for the potential orthopedic application	Sivaraj D	INST	Mohali
P125	500	Synthetic Peptide-Polymer Conjugates to Mimic Actinomyosin Network for Muscle Contraction	Debasish Nath	INST	Mohali
P126	452	Excellent Ferroelectric and Retention Response of β -PVDF thin film Prepared by Heat-Controlled Spin Coating	Pinki Malik	INST	Mohali

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P127	623	Hydrogen production by water electrolysis using nickel hydroxide as a redox mediator	Riddhi Devendra Agrawal	BV College of Engg.	Mumbai
P128	355	Biaxial Characterization of Auxetic Skin Graft Simulants	Vivek Gupta	IIT Delhi	New Delhi
P129	729	Biomechanical Modeling and Characterization of Kidney Tissue Surrogates	Gurpreet Singh	IIT Delhi	New Delhi
P130	427	Modulation of topochemical polymerisation with changing functional groups in chiral diacetylenes towards thermo-, acido- and halochromism	Antarlina Maulik	INST	Mohali
P131	703	Antimicrobials and anticancerious potential of tragacanth gum based materials	Sarita Kumari	SPU Mandi	Mandi