

APM 2023 - POSTER PRESENTATIONS

Day 1 – March 17th, 2023

Sl. No.	APM Code	Name of the Speaker	Affiliation	Title of Talk
1.	APM23 - PP01	Bilga Bhuvan	CUSAT, Kochi	Evaluation of Alginate-Based Electrostatically Crosslinked Hydrogels as Bioink for 3D Printing
2.	APM23 - PP02	A. Archana Royal	Atria Institute of Technology, Bangalore	A Succinct Review of Additive Manufacturing Technologies and Materials used In Medical
3.	APM23 - PP03	Abhilipsa Sutar & Priyansha Biswal	CIPET: IPT- Bhubaneswar	Development of Distemper Paint
4.	APM23 - PP04	Abhishek Bhabani	CIPET:IPT- Bhubaneswar	Synthesis of Conducting Paints
5.	APM23 - PP05	Akshay A Akare	Kamla Nehru Mahavidyalaya, Nagpur	Synthesis and Characterization of Copolymer derived from 8-Hydroxyquinoline 5-Sulphonic Acid-Acrylamide-Formaldehyde
6.	APM23 - PP06	Aman Pal	CIPET:IPT- Bhubaneswar	Synthesis of Table Tennis Racquet Inner Frame
7.	APM23 - PP07	Shaju M	Karpagam Academy of Higher Education, Coimbatore	Overview of Conversion of Waste Plastic to Fuels <i>Via</i> . Pyrolysis Using Nano Zeolite Catalyst
8.	APM23 - PP08	Mohit Rajauriya	Mundra Solar Techno Park Ltd (MSTPL), Gujarat.	Thermal and Mechanical Properties and Durability Behaviour of Polyolefin Encapsulant in Photovoltaic Modules

9.	APM23 - PP09	Riya Bisht	CIPET:IPT- Bhubaneswar	Polyaniline Nanoparticle Sensor for Bacterial Detection
10.	APM23 - PP10	Roshani Matawale	CIPET:IPT- Bhubaneswar	Fabrication and Characterization of Coir Fibre Reinforced Recycled Polypropylene Composite for Various Applications
11.	APM23 - PP11	S Pramila	CIPET:IPT- Bhubaneswar	Development of Cellulose Acetate Purification Membrane from Cigarette Butts for Controlling Air Pollution
12.	APM23 - PP12	S. M. Sontakke	Mahatma Gandhi Mahavidyalaya, Armori	Synthesis, Characterization, Morphology and Biocidal Studies of Copolymer Derived from Sulphanilic Acid And Semicarbazide
13.	APM23 - PP13	Sarthak Das	CIPET:IPT- Bhubaneswar	Preparation of Biodiesel
14.	APM23 - PP14	Mohammed Imaad	Atria Institute of Technology, Bangalore	FDM Machine Reliability and its Failures
15.	APM23 - PP15	Monish Kumar G	Atria Institute of Technology, Bangalore	The Significant Effect of Process Parameters on FDM Printed Parts
16.	APM23 - PP16	Suraksha T S	Siddaganga Institute of Technology, Tumkur	Fusogenic Liposome-Coated Nanoparticles For Rapid Internalization into Donor Corneal Endothelial Tissue to Enable Prophylaxis before Transplantation
17.	APM23 - PP17	Swarup Ranjan Dash	CIPET:IPT- Bhubaneswar	Epoxy Resins and Its Applications

18.	APM23 - PP18	Purnima Nimse	Jaipur National University, Jaipur	Synthesis of Carbon Nanofibers Using Camphor Oil and its Application For Textile Effluent Treatment
19.	APM23 - PP19	Hema S	Amrita Vishwa Vidyapeetham, Kollam	Diffusion and Transport of Organic Solvents Through NR-NBR Blends
20.	APM23 - PP20	Asha K	Sree Kerala Varma College, Kerala	Mechanical And Thermal Properties of PVDF-Zinc Tungstate Nanocomposite Films
21.	APM23 - PP21	Nimisha Babu Raj	Sree Kerala Varma College, Kerala	Effect of Lead Tungstate Nanofillers in the Mechanical And Thermal Properties of Poly Vinyledene Fluoride (PVDF) Polymer
22.	APM23 - PP22	Shabnam Siddiqui	B M S College of Engineering, Bangalore	Modelling and Optimization of Adsorption Conditions using Response Surface Methodology for Removal of Amoxicillin Antibiotic from Aqueous Solution on Chitosan Grafted Sodium Acrylate/Nanoclay/Hap Composite
23.	APM23 - PP23	Sandesh Jaybhaye	B.K. Birla College, Maharashtra	Exploration of an Agricultural Waste (Oryza Sativa) as Sustainable Microwave Absorption Materials
24.	APM23 - PP24	Aleena Sabu	Amrita Vishwa VIdyapeetham, Kollam	Polyvinylidene Fluoride-Graphite- Based Conducting Nanocomposites: Effect of Magnetite Nanoparticles on the Electrical Properties
25.	APM23 - PP25	Anuradha Biswal	Veer Surendra Sai University of Technology, Sambalpur	Nanogold Imprinted Chitosan/Poly(Acrylic Acid)@Caco3 Nanocomposite Hydrogel as Wound Dressing Materials

26.	APM23 - PP26	Archana Bharathy	Anna University – MIT Campus, Chennai	Functionalization of Microcrystalline Cellulose and its Effect on Polymer Reinforcement
27.	APM23 - PP27	Ashish Raghavan	CIPET : SARP-LARPM, Bhubaneswar	Evaluation of Properties and Value-Addition in Biomedical Waste-Based Thermoplastic Recycled Blends
28.	APM23 - PP28	B.U. Kelkar	Institute of Wood Science and Technology, Bengaluru	Performance of Bamboo Strand Lumber Produced From Thermally Modified Dendrocalamus Strictus Bamboo Bonded With Phenol Formaldehyde Against Accelerated UV Irradiation
29.	APM23 - PP29	Baba Linkanmani Sahoo	CIPET : SARP-LARPM, Bhubaneswar	Development of Core Layer: Bio Based Multilayer Packaging Films
30.	APM23 - PP30	Dibya Prakash Sethy	CIPET:IPT- Bhubaneswar	Preparation of Alkyd Resin from Phthalic Anhydride
31.	APM23 - PP31	Dishari Chatterjee	Institute of Wood Science and Technology, Bangalore	Superhydrophobic Coatings Using Nanoparticles For Protection of Wood
32.	APM23 - PP32	G.J.Naveen	Sambhram Institute of Technology, Bengaluru	Process Parameter Optimization and Validation for Manufacturing of Ball Point Pen Cap In Injection Molding Machine Using Taguchi Design Of Experiments
33.	APM23 - PP33	Kartikey	CIPET:IPT-Jaipur	Development of Eco-Friendly Plastic Bricks for Construction Application Using Recycled Plastic Bottle Waste - A New Sustainability

34.	APM23 - PP34	Kowsika Murugesan	CIPET:SARP-APDDRL, Bengaluru	Human Hair Reinforced Recycled Polypropylene Composite
35.	APM23 - PP35	Laxmikanta Behera	CIPET:IPT- Bhubaneswar	Sustainable Production of Cellulose Based Hydrogels with Superb Absorbing Potential in Physiological Saline
36.	APM23 - PP36	Megha Rangari	Kamla Nehru Mahavidyalaya, Maharashtra	Selective Removal of Toxic Metal Ions From Waste Water Using 2-Hydroxyacetophenone-Acrylamide-Furfural Type Chelating Resins
37.	APM23 - PP37	Piyush Gupta	IIT Kharagpur	A Facile Strategy for the Development of Halogen Free-Flame Retardant Silicone Rubber Composites for Refrigerator and Air-Conditioning Applications
38.	APM23 - PP38	P Nagraik	Institute of Wood Science and Technology, Bengaluru	Physico-Mechanical Properties and Characterization of Nano-Wood Composite Prepared from Nano-Zinc Oxide Fortified Furfuryl Alcohol
39.	APM23 - PP39	Pragyan Aparajita Dash	CIPET : SARP-LARPM, Bhubaneswar	Effect of Metal Ions on Structural and Biological Properties of Bioactive Glass for Biomedical Application
40.	APM23- PP40	Girija Prasad	CIPET : SARP-LARPM, Bhubaneswar	Characterisation and Distribution of inflow of microplastics from rivers Damanganga and Tapi and Dumas beach, Gujarat, India
41.	APM23 - PP41	Previn R	CIPET : IPT-Chennai	Design and Analysis of Floater for Floating Solar Power Plant in Colder Region

42.	APM23 - PP42	R. Gurumoorthi	CIPET : IPT-Chennai	Design and Fabrication of Microstructured 3D Printed and Biocompatible Scaffold for Bone Tissue Engineering
43.	APM23 - PP43	R. Jeyanthi	The Gandhigram Rural Institute, Tamil Nadu	On The Electrical and Thermal Properties of Chitosan- Starch Blend Incorporated with different Ammonium Halides
44.	APM23 - PP44	Rahul Chatterjee	University of Calcutta, Kolkata	Design and Processing of Thermoplastic Elastomers In 3D Mode
45.	APM23 - PP45	Sameer Nayak	CIPET: IPT- Bhubaneswar	Preparation of Bioplastic from Corn starch
46.	APM23 - PP46	Saswat Ranjan Saho	CIPET: IPT- Bhubaneswar	Synthesis of phenol urea formaldehyde resin
47.	APM23 - PP47	Sharath C M	CIPET:IPT- Chennai	Hybrid Taguchi Approach And Grey Rational Analysis Model In Optimizing Process Parameters of Injection Moulded Ophthalmic Lens
48.	APM23 - PP48	Divine Sharon M	CIPET:IPT- Chennai	Effect of Reprocessed Thermoplastic Elastomers on The Physico-Mechanical Characteristics And Durability of High Density Polyethylene (HDPE)
49.	APM23 – PP49	Stephen Jose	CIPET:IPT- Chennai	Synthesis & Characterization Of Water Soluble Multicolour Emitting Polymer Nanocomposites
50.	APM23 – PP50	P. Lal Mohammed Khan, Syed Amanulla	CIPET:IPT- Chennai	Design and Fabrication of High Efficiency Hexa Drone for Agricultural Applications

51.	APM23 – PP51	Siddhartha Arya	Institute of Wood Science and Technology, Bengaluru	Oriented Sisal Fibres Embedded Bamboo Polymer Composite Panels
52.	APM23 – PP52	Hariram, Godwyn & Yoganandam K	CIPET:IPT- Chennai	Influence of Silicon nanoparticles on mechanical properties of Morus Alba fiber reinforced Epoxy Composites
53.	APM23 – PP53	Varsha, Gowtham, Gautham A, Pushparajan S, Yoganandam K	CIPET:IPT- Chennai	Design and Fabrication of Compact Ampule Opener Using Multijet Fusion Technology
54.	APM23 – PP54	Prashant Kumar Ojha, Pooja Roy, Navtej R.V., Sanjay Nagaraj	CIPET: SARP-APDDRL, Bengaluru	Super-wettability System and Materials: Fundamentals to Oil-Water Separation

APM 2023 - POSTER PRESENTATIONS

Day 2 – March 18th, 2023

Sl. No.	APM Code	Name of the Speaker	Affiliation	Title of Talk
1.	APM23 - PP55	Selvi K	CIPET:IPT- Chennai	Development of a rapid Fluorescence based bacterial identification with MEH-PPV, π -Conjugated Polymer for direct microscopic diagnosis
2.	APM23 - PP56	Shuvendu Shuvankar Purohit	Veer Surendra Sai University of Technology, Sambalpur	GQD Doped Protein Nanocomposite Hydrogels For Wound Healing Applications
3.	APM23 - PP57	Simarani Nayak	CIPET:IPT-Bhubaneswar	Mould of PS and PMMA By Solvent Casting Method
4.	APM23 - PP58	Sreelakshmi K Narayanan	Cochin University of Science and Technology	Isolation and Characterization of Chitosan From Shrimp Shell Waste.
5.	APM23 - PP59	Susobhan Swain	Veer Surendra Sai University of Technology, Sambalpur	Selective Detection of L-Cysteine <i>Via</i> . Fluorometric Assay Using Silver Nanoparticles And Rhodamine B In Aqueous Medium
6.	APM23 - PP60	Swapnita Patra	Veer Surendra Sai University of Technology, Sambalpur	Glucose Sensing By CQDS Incorporated Chitosan-PVA Nanocomposite In Real Human Blood Serums
7.	APM23 - PP61	Swati Jakhmola	CIPET: SARP-APDDRL, Bengaluru	Insight On Bio-Based Polyurethane Nanocomposite For Coating Applications: Recent Trends And Development
8.	APM23 - PP62	Tusharkanta Nayak	CIPET: SARP-LARPM, Bhubaneswar	Properties Analysis of Plasma Treated PGS/PU Polymeric Sheet: A Comparative Study

9.	APM23 - PP63	Usha Nellur	Jain Deemed-To-Be University Bangalore	Ce-MOF Infused Membranes With Enhanced Molecular Sieving In Application of Dye Rejection
10.	APM23 - PP64	Gabriel A	CIPET:IPT- Chennai	Evaluation of Glass Fiber Composite Materials For Body In White (BIW) Structures: An Experimental And Numerical Approach
11.	APM23 - PP65	Sanskriti Smaranika Dani	CIPET: SARP-LARPM, Bhubaneswar	Study on Flexible Electrospun PVDF Nanocomposite Fiber For High Performance Piezoelectric MEMS
12.	APM23 - PP66	Suchismita Behera	CIPET:IPT-Bhubaneswar	Synthesis of Copper Nanoparticles by Leaf Extract
13.	APM23 - PP67	Gowri Krishan A S & Swati Mondal	CIPET:IPT-Bhubaneswar	Preparation and Characterization of Grafted Polypropylene In Addition With Zinc Oxide For Textile Application
14.	APM23 - PP68	Raman kumar Jayabalan	Vellore Institute of Technology	Production Of Biocomposites Using Indigenous Tapioca (Manihot Esculenta Crantz) Tuber
15.	APM23 - PP69	Alex Y	CIPET: SARP-LARPM, Bhubaneswar	Advancement of AM Technology In Development Of Personalized In-Vivo And In-Vitro Prosthetic Implants
16.	APM23 - PP70	Akashdeep Singh	Harcourt Butler Technical University, Kanpur	Development of Polyacrylate Films With Polymer Nanocomposite
17.	APM23 - PP71	Sourav Patel	CIPET:IPT-Bhubaneswar	PLA/TiO ₂ Nanoparticle Scaffold For Bone Tissue Engineering
18.	APM23 - PP72	Roshni Pattanayak	CIPET: SARP-LARPM, Bhubaneswar	Assessment Of Volatile Organic Compounds (VOCs) and Biodegradability of Developed Absorbent Core Targeted to Hygiene Application

19.	APM23 - PP73	Lekshmi S B	CIPET:IPT-Kochi	Photocatalytic Degradation of Methylene Blue Using Copper Complex Catalyst
20.	APM23 - PP74	Jaminraja	CIPET: SARP-APDDRL, Bengaluru	Design and Development of Lightweight Honeycomb Panel Using Fiber-Reinforced Polymer For EV Vehicle
21.	APM23 - PP75	Shruti Kumari	CIPET:IPT-Ahmedabad	Development of Superhydrophobic Surfaces Using Oxygen Plasma Processing
22.	APM23 - PP76	Boobalan S	CIPET:IPT- Chennai	Fabrication of Flexible Nanocomposite Based on Thermoplastic Polyurethane with Conductive Carbon Fillers
23.	APM23 - PP77	Mitali Yadav	Institute of Science and Technology for Advanced Studies & Research(Istar)	Studies of Composites Based on Modified Multi-Functional Resin System
24.	APM23 - PP78	Sonali Naik	CSIR-NCL, Pune	Additive Manufacturing Technology for Architectural Design of Functional Polycaprolactone Scaffolds for Tissue Engineering Applications
25.	APM23 - PP79	Shraveni Malapati	Siddaganga Institute of Technology, Bengaluru	Grafting of DABCO-Piperidinium Based Dual Hydroxide Conductors on Highly Fluorinated Poly Arylene Ethers: Discrepancy In Using Decafluorobiphenyl For Block Copolymerization.
26.	APM23 - PP80	Abdul Malik Areekkadan	CIPET:IPT-Kochi	Cellulose Nanofiber-Based Polymer Composite; Synthesis By In Situ Mini-Emulsion Polymerization And Application as a Potential Coating For Paper-Based Packaging

27.	APM23 - PP81	Nishanth V K	Madras Institute of Technology, Anna University	Ti Fabrication of Composite Roofing Pipe Using Prepregs and Study on Compression Properties Between Unidirectional and Bidirectional Glass Fiber Mat
28.	APM23 - PP82	Aparna Santhoshkumar	CIPET:IPT-Kochi	Analysis and Characterization of Electrospun Polymer-Henna Leaves Extract Scaffolds For Wound Healing In Skin Tissue Engineering
29.	APM23 - PP83	Aakshai Kumar	CIPET: IPT-Kochi	Computational Method to Design a Unit Cell for Bone Tissue Engineering Scaffold
30.	APM23 - PP84	Jisha S Lal	Mahatma Gandhi University, Kottayam	Development and Evaluation of Chitosan/Zinc Oxide/Alginate Microspheres For The Release Studies of Metformin Hydrochloride
31.	APM23 - PP85	Anupam	CIPET:IPT-Bhubaneswar	Development and Analysis of Polylactic Acid/Polybutylene Succinate Based Blown Films With Incorporation of Natural Fillers For Mulching Application
32.	APM23 - PP86	Kurmi Ashish Omprakash	CIPET:IPT-Ahmedabad	Preparation and Characterization of Biodegradable and Compostable PBAT/PLA/TPS/ESO Compositions
33.	APM23 - PP87	Reshma V S	CIPET:IPT-Kochi	Development of Biopolymer Based on Chitosan Grafted Polyglycidylmethacrylate and Polycaprolactone
34.	APM23 - PP88	Chanchal	CIPET:IPT-Ahmedabad	Utilization of Printer Toner Waste Into Useful Products
35.	APM23 - PP89	Pawar Dhiraj Sakharchand	CIPET:IPT-Ahmedabad	Evaluation of Thermal Conductivity and Dielectric Properties Of Epoxy Nanocomposites.
36.	APM23 - PP90	Chetan Kumar	CIPET:IPT-Ahmedabad	Application of Different Polymeric Materials In Battery Development

37.	APM23 - PP91	Roselin Gladys J	CIPET:IPT- Chennai	Synthesis And Characterization of Light Emitting Polymer for Rapid Detection of Pathogens Causing Urinary Tract Infections
38.	APM23 - PP92	Nakul Rajput	CIPET:IPT-Ahmedabad	Study of Biodegradable Film By Using Bio-Filler
39.	APM23 - PP93	Shimna M	CIPET: SARP-LARPM, Bhubaneswar	Comparative Study On Surface Functionalization of PTFE By RF-Plasma Treatment
40.	APM23 - PP94	Puja Singh	CIPET:IPT-Ahmedabad	Development Of Adhesion Functional Properties of PEEK & CFs Composites Using Surface Modification Techniques
41.	APM23 - PP95	Ipsita Pattanayak	CIPET: SARP-LARPM, Bhubaneswar	Development of HAP Based Customized Polymeric Scaffolds Via 3D Printing Technology For Biomedical Application
42.	APM23 - PP96	Bibhudutta Das	CIPET: SARP-LARPM, Bhubaneswar	Mechanical Energy Harvesting Using a Coating of BCT-Based Piezoelectric Ink on A Flexible Polymer Substrate
43.	APM23 - PP97	Asish Kumar Sahu	Ravenshaw University, Cuttack	Synthesis of An Advanced Li-Salt Monomer For Self-Healing Polymer Electrolytes For Li-Ion Battery (LiB) Application
44.	APM23 - PP98	Deepak Singh Patel	CIPET:IPT- Ahmedabad	To Study The Retention Time/Aging Effect of Plasma Treated PET, HDPE And LDPE
45.	APM23 - PP99	Lakshyajit Behera	CIPET: SARP LARPM- Bhubaneswar	Current Trends on Design and FEA Analysis of Uncemented 3D printed Structurally Porous Femur Meta-implants.
46.	APM23 - PP100	Chinmayee Mohapatra	CIPET: SARP LARPM- Bhubaneswar	Recovery of Polyols from Flexible Polyurethane Wastes by Glycolysis: A Chemical Depolymerization Method