

Organized by CIPET: IPT - KOCHI



Day 1: 24 th November, 2023		
08.45 am - 10.00 am INAUGURATION		
10.00am -10.30 am Tea Break		
PLENARY LECTURE		

Session: 1 Chair: Dr. R Sailaja, CUSAT Hall: VC Hall -1st Floor

S. No.	Time	Speaker	Topic
PL1	10.30 am - 11.15 am	Prof Dr Kamal Nain Chopra Laser Science and Technology Centre, (LASTEC) Defence Research and Development Organization (DRDO),Delhi	Recent Important Advances in Biopolymers and Green
PL2	11.15 am - 12.00 pm	Dr. Parveen Saini CSIR-NPL, New Delhi	Circular Economy Driven Sustainable Waste Management Practices
Sessi	Session: 2 Chair: Dr. T. O. Varghese Former Director, CIPET Hall: VC Hall -1st Flo		
PL 3	12.00 pm - 12.45 pm	Dr. S.N. Jaisankar CSIR-Central Leather Research Institute	Recent developments in polyurethanes for biomedical applications
PL 4	12.45 pm - 1.30 pm	Dr. Susy Varughese IIT Mardas	Rheological behaviour of pectin polysaccharides and its relevance in the biological world and in engineering applications



Organized by
CIPET: IPT - KOCHI



	1.30 pm - 2.30 pm	Lunch break	
PL 5	2.30 pm - 3.00 pm	Dr. Pugalendi Pandian Pandian advanced medical centre Madurai	In the making of synthetic bone graft
Session: 3 Chair: Dr. Parveen Saini, CSIR-NPL Hall: VC Hall -1		CSIR-NPL Hall: VC Hall -1st Floor	
PL 6	3.00 pm - 3.30 pm	Dr. Vasudevan Venugopal DFRL, Mysore	Sustainable Food Packaging Technologies
PL 7	3.30 pm - 4.00 pm	Dr. A. Seema C MET, Thrissur	Renewable Energy: Global Trends
	4.00-4.15pm		Tea Break
		INVITED LECT	ΓURE
Session: 4		Chair: Dr. Leny Mathew	Hall: VC Hall -1st Floor
IL 1	4.15 pm - 4.30 pm	Dr Saju Daniel St. Xavier's College Vaikom, Kothavara P O	Multifunctional Natural Rubber Based Polymer Nano Composites for a Sustainable Future
IL 2	4.30 pm - 4.45pm	Dr. Mujeeb Rahman P Govt. Arts & Science College, Calicut.	Experimental and Theoretical Investigation of chitosan nano ZnO Films prepared by one pot procedure.
IL 3	4.45 pm - 5.00pm	Dr Nisha St Alberts College	Multifaceted applications of various green composite films based on Chitosan



Organized by CIPET: IPT - KOCHI



Day 2: 25th November 2023

PLENARY LECTURE

Session: 5 Chair: Dr. K E George, Former Head, PSRT, CUSAT Hall: VC Hall -1st Floor

S. No.	Time	Speaker	Topic
PL 8	9.30 am - 10.15 am	Dr. Ramendra Pati Pandey School of Health Sciences and Technology (SOHST), UPES, Dehradun, Uttarakhand, India (Online)	The Translational Prospective of secretory proteins of <i>Mycobacterium tuberculosis</i> encapsulated in Bio-polymeric nanoparticles: An Interplay of Immune Response and Oxidative stress
PL 9	10.00 am - 10.45 am	Dr. Mudrika Khandelwal Department of Materials Science and Metallurgical Engineering, Indian Institute of Technology Hyderabad (Online)	Nanostructured Engineering of microbial cellulose for energy health and environment
10.45 am - 11.00am Tea Break		Tea Break	



Organized by
CIPET: IPT - KOCHI



Session	Session: 6 Chair: Dr. Manjulakshmi, CIFT, KOCHI Hall: VC Hall -1		mi, CIFT, KOCHI Hall: VC Hall -1st Floor		
	INVITED LECTURE				
PL 10	11.00 am - 11.30am	Dr. Sunder Balakrishnan Naturetec., Chennai (Online)	Value proportion and market drivers for bioplastics in India		
PL 11	11.30 am - 12.00 pm	Prof. Dr. Nour Sh. El-Gendy Environmental Sciences, Sustainable Development, Clean Energy, and Nano- Biotechnology, Egypt (Online).	Recruitment of Lignocellulosic Waste Biomass to Achieve a Clean and Sustainable Environment.		
PL 12	12.00 pm - 12.30 pm	Dr. Shivanada K N ITC Limited, Bangalore (Online)	Trends in Biopolymer Coatings		
IL 4	12.30 pm - 12.45 pm	Dr Rehan Khan Institute of Nano Science and Technology (INST)	Inhibition of inflammatory arthritis using nanobiomaterials		
IL 5	12.45 pm - 1.00pm	Dr. Riysudheen N IG - WMO Arts and Science College Wayanad	Novel Copper doped reduced graphene oxide/ Polyurethane electrospun composite membranes and their electrochemical performance		
IL 6	1.00 pm - 1.15 pm	Dr. Hasan Sayğıli Batman University, Batman, Turkey (Online)	High capacity removal of Congo red in biomass-based green composite: Characterization and isotherm studies		
	1.15 pm - 2.00 pm Lunch break				



Organized by CIPET: IPT - KOCHI



ORAL PRESENTATION

Session: 7 Chair: Dr Nisha, St Albert's College Hall: VC Hall -1st Floor

S. No.	Time	Presenter	Topic
OP 1	2.00 pm - 2.10pm	Bhavya E P Kerala University of Fisheries and Ocean Studies, Pananga	FORMULATION OF CARAGEENAN BASED BIONANOCOMPOSITE FILM FOR FOOD PACKAGING
OP 2	2.10 pm - 2.20 pm	Nikhitha Augustin Amrita School of Physical Science, Amrita Vishwa Vidyapeetham, Coimbatore	Analysis of electrical and electromagnetic interference shielding properties of polyvinylidene fluoride (PVDF)/ poly(lactic acid) (PLA)/ expanded graphite (ExGr) blend nanocomposites
OP 3	2.20 pm -2.30 pm	S.U.Subhalakshmi The Gandhigram Rural Institute (Deemed to be university)	Bioplastics and Biocomposites: Future of food packaging is Sustainability
OP 4	2.30 pm -2.40 pm	Shagufta Bi Lodhipur Rajpoot Delhi road, Moradabad U.P.	Green Synthesis of Nanoparticles and Its In-Vivo application
OP 5	2.40 pm - 2.50 pm	Gurumoorthi Ramar CIPET KOCHI	Zinc oxide incorporated composite electrospun scaffolds for bone tissue engineering
OP 6	2.50 pm - 3.00 pm	C. Balaji Ayyanar Coimbatore Institute of Technology, Coimbatore, Tamilnadu, India.	n-vitro and in-vivo Characterization of thin film
OP 7	3.00 pm - 3.10 pm	Manish Yadav Indian Institute of Technology Mandi, Mandi, Himachal Pradesh	Electrospun $\alpha\text{-Fe}_2O_3/PAN$ nanofibers mat: A multifunctional and efficient platform in wastewater treatment



Organized by CIPET: IPT - KOCHI



OP 8	3.10 pm - 3.20 pm	K. Amudhan	Fibre-reinforced polymer made Pylon tube for Lower Limb
		Mepco Schlenk Engineering College, Sivakasi,	Prosthesis: Fabrication, Experimentation and Finite Element analysis
		Tamilnadu, India	
OP 9	3.20 pm - 3.30 pm	Gopika Preethikumar	Dual-sized electrospun CA/PVP core-shell fiber membranes:
		CSIR-National Institute for Interdisciplinary	Fabrication and characterisation
		Science and Technology, Trivandrum	
OP10	3.30 pm - 3.40 pm	G. Manikanda Raja	Enhancing of mechanical Properties of Novel Ternary Epoxy Resin
		AAA College of Engineering and Technology,	Composites: A strategic approach using Blended Graphene Oxide and
		Tamilnadu, India	Polypropylene Fillers
OP 11	3.40 pm - 3.50 pm	Hsin-Cheng Chiu	New combination treatment from Ros-induced sensitized
		National Tsing Hua University, Taiwan	radiotherapy with nanophototherapeutics to fully Eradicate
			Orthotopic Breast cancer and Inhibit metastasis
3.50 pm - 4.00 pm		Tea Break	
Josephi Too phi			
VALEDI	VALEDICTORY FUNCTION Hall: VC Hall -1st Floor		



Organized by
CIPET: IPT - KOCHI



POSTER PRESENTATION

Poster No	Time	Name of participant	Title of poster
PP 1		Abhijith S Amaljyothi College of Engineering, Kanjirappalli , Kottayam	Lotus Fiber reinforced epoxy composite for Automobile Interior applications
PP 2		Adithya A V CSIR- National Institute for Interdisciplinary Science and Technology (NIIST)	Surface Modified Cellulose Nanofiber Composites -Synthesis and Development for High-Performance Materials
PP 3	-	Akshaya S VIT Vellore	Bio-nanocomposites of alginate and cellulose nanofibers from agrowaste for food packaging applications
PP 4	2.00 pm - 3.00pm	Anjali Prakash CIPET-IPT, Chennai	Composition Optimization of Iron-Nickel-Nanographite Particles for Tuning the Electromagnetic Parameters of Silicone Rubber Composites
PP 5		Arjun Somarajan Amrita Centre for Nanoscience and molecular medicine, Kochi	Fabrication of Flexible, Hydrophobic and UV-Resistant Hybrid Nanocomposite of Polypropylene via Latex Technology for Green EMI Shielding
PP 6		Bibin Amaljyothi College of Engineering, Kottayam	Flax Fibre Reinforced epoxy composite for Automotive Application
PP 7		Deepika Central University of Haryana, Mahendragarh, India	Biopolymers Application in Urinary Tract Infection
PP 8		Reshma V S CIPET KOCHI	Development of Biopolymer based on Chitosan grafted Polycaprolactone and Polyglycidylmethacrylate



Organized by
CIPET: IPT - KOCHI



PP 9	Roopa Rajan	Biofunctional properties of Seaweed based composite films
	Kerala University, Kerala	blended with natural polymers for seafood preservation
PP 10	Saranya Kunjumon Central University of Kerala, Kerala	Cotton Gauze impregnated by Plant Mediated Ag/CuO
PP 11	Sourav C Kufos, Madavana, Kochi	Extraction of eco-friendly packaging components from aquatic weed (<i>Eichhornia Crassipes</i>).
PP 12	Stephan Jose CIPET - Kochi	Synthesis & Characterization of Fluorescent Polymer Nanocomposites for Biosensing Applications
PP 13	Suji Mary Zachariah Mahatma Gandhi University, Kottayam, Kerala, India	Janus Structure Inspired PVA based Double Layered
PP 14	Manish Kumar Indian Institute of Technology Mandi, Himachal Pradesh	Piezo-photocatalytic activity of mechanochemically synthesized BiVO4 for dye cleaning
PP 15	Premkumar K Central Institute of Petrochemicals Engineering and Technology, Chennai, Tamil Nadu, India	Synthesis and Fabrication of Activated Prosopis Juliflora -char reinforced with recycled Polypropylene based Biocomposites.
PP 16	Selvi K CIPET Kochi	Conjugated polymer based Direct Microscopic detection of microbial pathogens
PP 17	Deepali Sachin Kamble Shivaji University, Kolhapur	A review on synthesis and applications of polyaniline hydrogels