

PROGRAMME SCHEDULE

DAY 1: 14 th March, 2024 (Thursday)	
REGISTRATION	08:00 Hours
INAUGURATION	09:30 – 10:15 Hours
HI-TEA	10:15 – 10:30 Hours

HALL - I	PLENARY SESSION	10:30 – 12:30 Hours
Session Chairpersons: Dr. S K Sharma and Dr. PSG Krishnan		
Title		Time (hrs.)
Sustainable Catalytic Materials Design for Development of Low Carbon Energy <i>K K Pant</i> <i>IIT Roorkee</i>		10:30-11:00
Designing for “Biodegradability and Compostability” as solution to managing packaging plastic wastes <i>Ramani Narayan</i> <i>Michigan State University, USA</i>		11:00-11:30
Role of Tribology in Sustainable Development <i>Rajneesh Tyagi</i> <i>IIT BHU</i>		11:30-12:00
Novel Biochar and Activated Carbon Materials Production from Biomass, and Their Industrial Applications. <i>Ajay Dalai</i> <i>University of Saskatchewan, USA</i>		12:00-12:30

HALL - I	KEYNOTE SESSION	12:30 – 13:20 Hours
Plastics waste recycling – Need for standardization <i>Rajeev Dwivedi</i> <i>Director TTRC Lohia Group, Kanpur</i>		12:30-12:55
Plastic Industry and Future Growth <i>Mr. Manish Dedhia</i> <i>President, AIPMA</i>		12:55-13:20
LUNCH BREAK		13:20 – 14:00 Hours

Conference Room	14:00 – 15:00	INDUSTRY INTERACTION MEET
Co-ordinator		Shri Kirti Trivedi, CIPET:IPT-AHMD

POST LUNCH SESSIONS: 14:00 –16:00 Hours

Hall – I	Hall – II	Hall – III
Functional Materials - I	Blends Alloys & Composites - I	High Performance Polymers – I

Hall – I	Functional Materials – I
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Session Chairpersons: Prof. Dhyan Singh Arya and Dr. Prakash Biswas

Title	Time (hrs.)
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INVITED TALK

Synthesis of ZnO nanostructure and doping of Cu NPs: Its investigation as a gas sensing device <i>Navinchandra Gopal Shimpi</i> <i>University of Mumbai, Santa Cruz</i>	14:00-14:15
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Synthesis and Gas sensing performance of β-Ga₂O₃ <i>N. Gopalakrishnan</i> <i>NIT, Trichy</i>	14:15-14:30
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Phosphorous and Nitrogen recovery from source separated human urine using vermiculite incorporated cylindrical earthen separator as a Cation exchange membrane in microbial fuel cell <i>Arvind Kumar Mungray</i> <i>SVNIT, Gujarat</i>	14:30-14:45
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Importance of Materials Perspective to achieve Net Zero <i>Kumar Patchigolla</i> <i>Teesside University, UK</i>	14:45-15:00
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CONTRIBUTORY PAPERS

A novel (ZIF-11@GO) composite material blended into polysulfone matrix for enhanced CO₂/CH₄ separation <i>Ajay V Gawali</i> <i>PDEU, Gandhinagar</i>	15:00-15:10
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Synthesis and Characterization of HPA Modified Zirconia Catalyst to study the Isomerization Reaction of Pinane <i>Sunder Lal Pal</i> <i>NIT Bhopal</i>	15:10-15:20
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Nanocomposite of 2, 5-polybenzimidazole (ABPBI) and sulphonated polyhedral oligomeric silsesquioxane (SPOSS) for High Temperature Polymer Electrolyte Membrane fuel cell application <i>Sonali Anbhule</i> <i>Naval Material Research Laboratory, Maharashtra</i>	15:20-15:30
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Application of conventional and emerging low-cost adsorbents as sustainable materials for removal of dyes from contaminants water <i>Uma R. Upadhyay</i> <i>KNM, Nagpur</i>	15:30-15:40
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Ion- matter interaction with ZnO nanowire <i>A K Behera</i> <i>CIPET:IPT-Bhubaneswar</i>	15:40 -15:50
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Development of Bio-based plasticizer from Acid oils & it's plasticizing properties in PVC film <i>Prince Hareeshbhai Patel</i> <i>Institute of Science and Technology for Advanced Studies & Research, Gujarat</i>	15:50-16:00
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TEA BREAK

16:00 – 16:15 Hours

Hall – II	Blends Alloys & Composites – I	
Session Chairpersons: <i>Prof. Nikhil Kumar Singh and Dr. S K Jain</i>		
	Title	Time (hrs.)
INVITED TALK		
Some Studies on Sponge Iron Slag Filled Polymer Composites <i>Alok Satapathy</i> <i>National Institute of Technology Rourkela</i>		14:00-14:15
3D Processing of Isotactic Polypropylene <i>Abhijit Bandyopadhyay</i> <i>University of Calcutta, West Bengal</i>		14:15-14:30
An Overview of Elastomers: Mechanical, Thermal and Rheological Properties SBR-Nanocomposites with Aluminium Oxide Filler <i>Wasudeo B. Gurnule</i> <i>Kamla Nehru Mahavidyalaya, Nagpur</i>		14:30-14:45
The effect of Flax fiber and Silicon Carbide on the microstructure and properties of Epoxy based composites <i>M. Ravichandran</i> <i>K. Ramakrishnan College of Engineering Samayapuram, Trichy</i>		14:45-15:00
Natural fiber based green composites for sustainable Development: Advancements and Challenges <i>G L Devnani</i> <i>HBTU, Kanpur</i>		15:00-15:15
CONTRIBUTORY PAPERS		
Preparation and Characterization of Interpenetrating Network of NR and PS Based Composite for Metal Bonding Adhesive Application <i>Susmita Dey Sadhu</i> <i>BCAS, New Delhi</i>		15:15-15:25
Role of Green Solvent in Modification of Properties of Rubber Composites <i>Anal Dhruvkumar Bhatt</i> <i>GTU, Ahmedabad</i>		15:25-15:35
A Circular Economy: Harnessing rGO from Plastic Waste for adaptable thermoplastic Nanocomposites <i>Alok K Sahu</i> <i>CIPET:IPT-Rajpur</i>		15:35-15:45
A comprehensive study on toughened fiber reinforced FRP composite and its impact on hybridization <i>Vijay Shankar Mishra</i> <i>NMRL, Ambemayth</i>		15:45-15:55
Data-driven modeling for predicting the machining performance of ramie-epoxy based hybrid composites using machine learning algorithms <i>Sourav Kumar Mahapatra</i> <i>NIT, Rourkela</i>		15:55-16:05
TEA BREAK		16:05 – 16:15 Hours

Hall – III	High Performance Polymers – I	
Session Chairpersons: <i>Dr. S Anandhan and Dr. S N Yadav</i>		
	Title	Time (hrs.)
INVITED TALK		
Membrane based desalination in holistic sense: Water, Energy and Environment <i>Hiren D. Raval</i>		14:00-14:15

<i>CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar</i>	
Innovative Materials for Sustainable Filtration Solutions – A Pragmatic Assessment <i>Shetty Ravindra Rama</i> <i>H&V Advanced Materials (India) Pvt. Ltd, Mysuru</i>	14:15-14:30
Plastic – A Wonderful Versatile Resource <i>SK Goyal</i> <i>CSIR-NEERI</i>	14:30-14:45

CONTRIBUTORY PAPERS

Alginate electrospun nanofiber membrane for adsorption and separation of cationic dye and heavy metal <i>Devendra Rai</i> <i>IIT Roorkee</i>	14:45-14:55
Large Scale Liquor Carbonation And Modeling Study with The Use Of LDO Fired Boiler Flue Gas In Mining And Mineral Ore Processing Plant <i>Vipin Kumar Sharma</i> <i>IIT, Tirupati</i>	14:55-15:05
A newer approach on synthesis and characterization of high-performance polyesters containing Cyanuric Chloride <i>Jignasa Modh</i> <i>PPSU, Surat</i>	15:05 -15:15
Polymer-Assisted Zero Liquid Discharge Strategies for Sustainable Dye Intermediate Production <i>Heli Modi</i> <i>Nirma University, Ahmedabad</i>	15:15-15:25
Evaluate the Mechanical Property and Microstructure Prepared By Low Cost New Hybrid Reinforced MMC <i>Uttam Kumar Mandal</i> <i>NIT, Agartala</i>	15:25-15:35
Optimizing the synthesis parameters for ZIF-8 MOFs for enhanced photocatalytic degradation of organic compounds <i>Rahul Sinha</i> <i>IIT Tirupati</i>	15:35-15:45
Polymeric Hybrid Coagulants and Their Application for Industrial Wastewater Treatment: A Review <i>Amit Kumar Boora</i> <i>SVNIT</i>	15:45-15:55
TEA BREAK	16:00 - 16:15 Hours

POSTER SESSION

OLC ACADEMIC BLOCK – I Floor	15:30 – 17:00 Hours
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EVENING SESSIONS: 16:15 –18:00 Hours

Hall - I	Hall – II	Hall – III
Sustainable & Green Chemistry	Emerging Technologies for Waste Management	Nanotechnology Integration

Hall – I	Sustainable & Green Chemistry	
Session Chairpersons: <i>Dr. Nilanj Mishra and Dr. Smita Mohanty</i>		
	Title	Time (hrs.)
INVITED TALK		
	Bio-based Thermoplastic Elastomers (TPE) via Sustainable Approach <i>Nikhil Kumar Singha</i> <i>IIT, Kharagpur</i>	16:15-16:30
	Chitosan biopolymer derivatives for CO₂ capture and conversion <i>Santosh Kumar</i> <i>Harcourt Butler Technical University, Kanpur</i>	16:30-16:45
	Fabrication of a specific Zeolite based green concrete for CO₂ Storage <i>Biswabandita Kar</i> <i>KIIT Shikhar, Odisha</i>	16:45-17:00
	Sustainable Chemistry for Industrial Safety <i>Hitesh Patel</i> <i>Gujarat University, Gujarat</i>	17:00-17:15
CONTRIBUTORY PAPERS		
	Process Engineering for Bioplastic & Sustainability <i>Vineet Aniya</i> <i>CSIR-IICT, Hyderabad</i>	17:15-17:25
	Green Use of Barley Husk in the preparation of Carbon Dots and Silica <i>Gyan Kumar Agarwal</i> <i>BIT, Patna</i>	17:25 -17:35
	Investigation of acetone as an additive in the preparation of hydrophobic polyvinylene Di fluoride (PVDF) flat sheet membranes via phase inversion process <i>Sushant Upadhyay</i> <i>MNIT Jaipur</i>	17:35-17:45
	Enhancing Sustainable End-of-Life Vehicle Management in India <i>Rajnikant Bidajwala</i> <i>IACE, Gandhinagar</i>	17:45-17:55
	Fully biodegradable food packaging materials based on <i>Salvia hispanica</i> <i>V H Sangeetha</i> <i>CIPET:IPT-Lucknow</i>	17:55-18:05

Hall – II	Emerging Technologies for Waste Management	
Session Chairpersons: <i>Dr. Ajay K Nema and Dr. Shiny Velayudhan</i>		
	Title	Time (hrs.)
INVITED TALK		
	Radiation Technology: A sustainable waste water management tool <i>Virendra Kumar</i> <i>Bhabha Atomic Research Centre(BARC), Mumbai</i>	16:15-16:30
	Innovation and Design for circularity through PCR <i>Sirisha Yerramsetti</i> <i>Banyan Nation</i>	16:30-16:45
	Future Pathways for sustainable Energy and Environment <i>Dhananjay Singh</i> <i>IET Lucknow</i>	16:45-17:00
CONTRIBUTORY PAPERS		

A Nanoapproach towards transfiguring biowastes to treat industrial effluents paving a way towards innocuous technology. <i>Anuradha Pandey Dubey</i> <i>Sharon Institute of Nanotechnology, Jaipur</i>	17:00-17:10
Eco-Friendly Metal Recovery from E-Waste Using Deep Eutectic Solvents <i>Aaliya Javed</i> <i>SVNIT, Surat</i>	17:10-17:20
An effective technique for the valorization of waste fly ash produced from thermal power plants and other industrial sources <i>Sachin Kumar</i> <i>IIT, ROORKEE</i>	17:20-17:30
Co-pyrolysis of plastic waste and biomass for fuel oil generation <i>Isha J. Jasani</i> <i>VGEC, Ahmedabad</i>	17:30-17:40
Valorization of Waste Transformer Oil to Liquid Fuel <i>Richa Tiwari</i> <i>RTMNU, Nagpur</i>	17:40-17:50
AI-Powered Autonomous Sorting of Post Consumer Plastics <i>Sandip Singh</i> <i>IRS Pvt. Ltd., Ahmedabad</i>	17:50-18:00

Hall – III	Nanotechnology Integration & Additive Manufacturing	
Session Chairpersons: <i>Dr. Abhijit Bandyopadhyay and Dr. Alok Sahu</i>		
	Title	Time (hrs.)
INVITED TALK		
	Global solutions through synthesis and design of sustainable 2D nanomaterials <i>Harish Kumar</i> <i>Central University of Haryana, Mahendergarh</i>	16:15-16:30
	Nano Carbides – An Innovative Materials For Energy Applications <i>O.P. Pandey</i> <i>Tapar University, Punjab</i>	16:30-16:45
	β-Cyclodextrin polymer/zinc ferrite nanocomposite: Synthesis, characterization, and adsorption application for the removal of malachite green and Congo red <i>Pragnesh N Dave</i> <i>Sardar Patel University, Gujarat</i>	16:45-17:00
	Additive manufacturing and sustainability <i>Vishvesh Badheka</i> <i>Pandit Deendayal Energy University, Gujarat</i>	17:00-17:15
CONTRIBUTORY PAPERS		
	The effect of accelerated damp heat (DH) ageing on the interfacial bonding between Ethylene vinyl acetate (EVA) copolymer and substrate backsheet for Solar PV module application <i>Bhuwanesh Kumar Sharma</i> <i>PPSU, Surat</i>	17:15-17:25
	Plasma Fabricated Nanoparticle based Catalytic System for Remediation of Pollutants <i>Swarnima Rawat</i> <i>BARC, Mumbai</i>	17:25-17:35
	Experimental and Numerical analysis of CO₂ absorption processes using fly ash based nanofluids <i>Parag Thakur</i> <i>Sardar Vallabhai National Institute of Technology, Gujarat</i>	17:35-17:45

Designed Attachment for a Toy, Fabricated with Polypropylene Composite

*Nikhil Chauhan
IIT, ROORKEE*

17:45-17:55

18:00 – 18:30

Hours

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HALL - I

**Special Lecture on “*Opportunities for Academic and Research
Mobility: Crossroads with SICI*”**

Dr. Prachi Koul,

Director, Shastri Indo-Canada Institute

18:30 PM onwards

CULTURAL NIGHT

(Performance by Students of CIPET)

DAY 2: 15th March, 2024 (FRIDAY)

HALL - I	PLENARY SESSION	09:00 – 12:15 Hours
Session Chairpersons: Prof. Ramani Narayan and Prof. Rajneesh Tyagi		
Title		Time (hrs.)
Development of Smart Biobased Materials <i>Alcides Lopes Leao</i> <i>UNESP – Botucatu, Sao Paulo State University, Brazil</i>		09:00-09:30
Mechanical and the effect of oil absorption on tribological properties black polymer composite brake pad <i>K Kanny</i> <i>Durban University, South Africa</i>		09:30-10:00
Towards the development of sustainable processes: Chemicals and Materials from alternate feedstocks <i>Shiju N Raveendran</i> <i>University of Amsterdam, Netherlands</i>		10:00-10:30
TEA BREAK		10:30 – 10:45
Integration of Electrospinning and Additive Processing for Harvesting (a): Energy in IoTs, and (b): Atmospheric Water Using Nature-inspired Shapes <i>Ashok Vaseashta</i> <i>Institute of Electronic Engineering and Nanotechnologies, Chisinau Moldova</i>		10:45-11:15
Engineering at the Nanoscale: A strategy for Developing High performance functional materials from Biomass <i>Sabu Thomas</i> <i>Mahatma Gandhi University, Kerala</i>		11.15-11.45
HALL - I	KEYNOTE SESSION	12:15 – 13:10 Hours
Circular Economy application for plastics in packaging - A Novel Approach <i>Lakshmi Raghupathy</i> <i>Teri University, New Delhi</i>		11:45-12:10
MDO (Machine direction orientation) Technology- sustainable and recyclable solution for multilayer flexible packaging <i>Ajay K Nema</i> <i>SB- Constantia, Ahmedabad</i>		12:10-12:35
Morphology and Rheology of polyurethane nanocomposites for coating applications <i>S. N. Jaisankar</i> <i>CSIR-CLRI, Chennai</i>		12:35-13:00
LUNCH BREAK		13:00 – 14:00 Hours

Conference Room	14:00 – 15:00	PANEL DISCUSSION
Topic: Circular Economy – A Key to Sustainability		
Moderator	Dr. S K. Jain / Shri P K Sahoo	
PANEL OF EXPERTS	<ol style="list-style-type: none"> 1. Prof. Ramani Narayanan 2. Prof. Kanny 3. Dr. Raiker 4. Dr. S K Sharma 	

POST LUNCH SESSIONS: 14:00 –16:00 Hours

Hall – I	Hall – II	Hall – III
Thin films and Coatings	Recycling Technology & Circular economy	Functional Materials - II

Hall - I	Thin films and Coatings, Biopolymers, Modelling and Optimization
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Session Chairpersons: *Dr. Harish Kumar and Dr. S N Jaisankar*

Title	Time (hrs.)
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INVITED TALK

<p>The Role of AI/ML in Materials Process Optimization Research <i>Kishalay Mitra</i> <i>IIT Hyderabad</i></p>	14:00-14:15
<p>Polymeric Thin-film Nanocomposite Membranes: Sustainable and innovative Materials for Industrial Needs <i>Pravin G. Ingole</i> <i>CSIR-North East Institute of Science and Technology, Assam</i></p>	14:15-14:30
<p>A Green Strategic Engineering for the Fabrication of Bio-based Industrial Coatings <i>S. Ananda kumar</i> <i>Anna University, Chennai</i></p>	14:30-14:45
<p>The Thermal method of analysis in polymer application <i>Premchand S. Jain</i> <i>Hitachi High-Tech India Private Limited</i></p>	14:45-15:00
<p>Enhancing Biocompatible Functionality of Polymer Surface Engineered Cobalt Metal Oxide Nanoparticles <i>Susarla Venkata Ananta Rama Sastry</i> <i>HBTU Kanpur</i></p>	15:00-15:15

CONTRIBUTORY PAPERS

<p>Advancing Biomedical Applications: The Potential Of Strontium-Based Polymeric Composites As Novel Biomaterials <i>Tusharkanta Nayak</i> <i>CIPET:SARP-LARPM</i></p>	15:15-15:25
<p>Shear Strength and Fracture Toughness of Adhesively Bonded Steel Joints at Different Adhesive Thickness <i>Swati Gupta</i> <i>MNNIT, Allahabad</i></p>	15:25-15:35
<p>Thin film composite membranes with customised pore size and surface characteristics for precision molecular sieving and high desalination efficiency <i>Manas Ranjan Puhan</i> <i>CSIR-CSMCRI, Bhavnagar</i></p>	15:35-15:45
<p>Exploring the Potential of Nano Filler on Mechanical, Thermal, Morphological and Barrier performance of Polyethylene composite film for sustainable packaging applications <i>Pijush Kanti Mandal</i> <i>CIPET:IPT-Bhubaneswar</i></p>	15:45 – 15:55

TEA BREAK

16:00 – 16:15 Hours

Hall - II	Recycling Technology & Circular economy
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Session Chairpersons: <i>Prof. Naveen Kumar Navani and Dr. Alok Satapathy</i>	
Title	Time (hrs.)
INVITED TALK	
Sustainable recycling: Synthesis of low carbon marine fuel from end-of-use Plastics <i>V L Mangesh</i> <i>KL Universit, Andra Pradesh</i>	14:00-14:15
CONTRIBUTORY PAPERS	
Recycling of single-used plastic for aerogel preparation and its application in oil-water separation <i>Suwendu Manna</i> <i>UPES, Dehradun</i>	14:15-14:25
Impact of EBR on LLDPE and PDMS Rubber Blend Nanocomposites <i>Radhashyam Giri</i> <i>CIPET:IPT-Chennai</i>	14:25-14:35
Erosion wear response of glass-epoxy composites filled with pistachio shell particles <i>Gowtham Batha</i> <i>NIT, Rourkela</i>	14:35-14:45
Depolymerization of Non-recyclable Plastic Waste: Post-consumer Waste Polyethylene Terephthalate to Green Plasticisers <i>T Sai Prafulla</i> <i>CSIR-IICT, Hyderabad</i>	14:45-14:55
Go Green with Graphene: Recycling Natural waste to Best <i>Arti Sharma</i> <i>BGIEM, Jabalpur</i>	14:55-15:05
Solvent Assisted Glycolytic Depolymerization of waste Polyethylene Terephthalate (PET) <i>Nishant Markandeya</i> <i>CSIR-NCL</i>	15:05-15:15
Co-pyrolysis behaviour of de-oiled mahua cake and waste LDPE using thermogravimetric analysis and artificial neural network <i>Yash Jaiswal</i> <i>DDU, Nadiad</i>	15:15-15:25
Study of NBR/SBR blend based nanocomposites incorporated with halloysite nanotubes <i>Ambika Joshi</i> <i>CIPET:IPT-Rajpur</i>	15:25-15:35
Modeling and optimization of supercritical fluid extraction of Argemone mexicana seed oil <i>Bhupendra Suryawanshi</i> <i>DDU, Nadiad</i>	15:35-15:45
TEA BREAK	16:00 – 16:15 Hours

Hall - III	Functional Materials – II
Session Chairpersons: <i>Dr. Hiren D. Raval and Dr. PSG Krishnan</i>	
Title	Time (hrs.)
INVITED TALK	
Cellulose nanofibers from lignocellulosic materials and their applications <i>Shakti Chauhan</i> <i>ICFRE, Bengaluru</i>	14:00-14:15
Evolution of structure, molecular and functional properties in oligo- and	14:15-14:30

<p>polycarbosilanes during an extended pyrolysis polycondensation <i>G Santhana Krishnan</i> <i>CSIR-National Aerospace Laboratories (NAL), Bengaluru</i></p>		
<p>Innovative Functional Oxides: From Magnetodielectrics to Graphene Oxides <i>Utpal S. Joshi</i> <i>Gujarat University, Ahmedabad</i></p>		14:30-14:45
<p>Crystal and Molecular docking studies of 3-hydroxy-2-((2-hydroxy-4, 4-dimethyl-6-oxocyclohex-1-enyl)(4-methoxyphenyl)methyl)-5,5-dimethyl cyclohex-2-enone with focal adhesion kinase inhibitors <i>KS Kiran</i> <i>Jain Deemed to be university, Bengaluru</i></p>		14:45-15:00
CONTRIBUTORY PAPERS		
<p>Polyhouse Design and use of Graphene nanomaterials, for optimized to cold and dry zones <i>Pragyan Jain</i> <i>GGITS, Jabalpur</i></p>		15:10-15:20
<p>Revolutionizing Feminine Hygiene: Nanocellulose Grafted – SAP for Sanitary Pads <i>Srimukhi Mandava</i> <i>CSIR-IICT, Hyderabad</i></p>		15:20 -15:30
<p>High Strength 3D robust EMI Shielding Materials for Light weight Electric Vehicles <i>T. Senthil</i> <i>CIPET:IPT-Jaipur</i></p>		15:30-15:40
<p>Design and Fabrication of a Value-Oriented Portable Precision CNC Engraving Machine <i>P Prasenjit Swain</i> <i>CIPET:IPT-Jaipur</i></p>		15:40-15:50
<p>Cellulose Nanofibers from bagasse and their utilization as a binding agent for fiberboards <i>Garima Joshi</i> <i>ICFRE, Bengaluru</i></p>		15:50 – 16:00
TEA BREAK		16:00 – 16:15 Hours

POSTER SESSION	
OLC ACADEMIC BLOCK – I Floor	15:30 – 17:00 Hours

EVENING SESSIONS: 16:15 –18:15 Hours		
Hall - I	Hall – II	Hall – III
Smart Materials	Blends, Alloys and Composites - II	High performance Polymers - II

Hall - I	Smart Materials	
Session Chairpersons: <i>Dr. Shuhas C. Shit and Dr. Biswabandita Kar</i>		
Title		Time (hrs.)
INVITED TALK		
<p>Synthesis and assessment of biocompatibility of TPU-based scaffolds containing Sr-doped hydroxyapatite nanorods <i>S Anandhan</i></p>		16:15-16:30

<i>NIT, Suratkal</i>	
Dissolving Microneedles for Delivery of Analgesics <i>Shiny Velayudhan</i> <i>SCTI, Trivandrum</i>	16:30-16:45
Organic Solar Cells: from Molecules to Devices <i>Amaresh Mishra</i> <i>Sambalpur University, Odhisa</i>	16:45-17:00
Plasma Enhanced Chemical Vapor Deposition: A versatile tool for tailoring surface functionalized materials with novel applications <i>Nilanjali Mishra</i> <i>Bhabha Atomic Research Centre, Mumbai</i>	17:00-17:15
CONTRIBUTORY PAPERS	
Hydrogel-based Electrochemical Microfluidic Sensor for Food Safety Applications <i>Deepak Kumar</i> <i>CSIR-CSIO, Chandigarh</i>	17:15-17:25
CNO/CMS/PANI/ZnO composite flexible piezo-tribo nanogenerators <i>Sreelakshmi C C</i> <i>Amal Jyothi College of Engineering, Kottayam</i>	17:25-17:35
Sustainable Polymer Composites for Waste Water Treatment <i>Shubhalakshmi Sengupta</i> <i>VFSTR, Guntur</i>	17:35-17:45
Application of 3D Printing in Wastewater Treatment <i>Ashaka Desai</i> <i>PDEU, Gandhinagar</i>	17:45-17:55
Biodegradable Materials for Packaging Applications <i>Sanchit khanna</i> <i>NOKIA, Noida</i>	17:55-18:05

Hall - II	Blends, Alloys and Composites - II	
Session Chairpersons: <i>Vishvesh Badheka and Dr. Virendra Kumar</i>		
	Title	Time (hrs.)
INVITED TALK		
	Polymer based Nanocomposites for Packaging Applications: Effect of Layered Fillers <i>Sarat kumar Swain</i> <i>Veer Surendra Sai University of Technology, odisha</i>	16:15-16:30
	Parameters for Sustainable Natural Fiber Reinforced Polymer Composite Design <i>Sanjay Palsule</i> <i>Institute of Technology, Roorkee (India)</i>	16:30-16:45
	The use of supra-molecular structure formed by bio-degradable ABA type of block co-polymers as drug carrier <i>Shubhas C Shit</i> <i>CIPET (Retired)</i>	16:45-17:00
	Functional Polymers on Leather and Leather-like Materials <i>Debasis Samanta</i> <i>CSIR-CLRI</i>	17:00-17:15
CONTRIBUTORY PAPERS		
	Tribological performance of the CNT based polymer composites <i>Saurabh Singh</i> <i>SVNIT, Surat</i>	17:15-17:25

Sustainable Development Of LBC-Composite to Adsorb Nitrogen Dioxide from Ambient Air and Adsorption Kinetics Study <i>Abhishek Verma</i> <i>IIT, Roorkee</i>	17:25-17:35
Preparation of Sustainable Wood-Plastic Composites Using Recycled Materials <i>Kiran Kumar Vuba</i> <i>CIPET:CSTS-Hyderabad</i>	17:35-17:45
Alkaline pretreatment of banana fiber using a twin-screw extrusion composite material preparation of Interior automotive parts <i>Mulla Abdul Mannan</i> <i>CSIR-IICT, Hyderabad</i>	17:45-17:55

Hall - III	High performance Polymers - II
Session Chairpersons: <i>Dr. M Patri and Dr. Debasis Samanta</i>	
Title	Time (hrs.)
INVITED TALK	
Chitin/Chitosan based natural polymeric nanomaterials in drug delivery system <i>Sushil Kumar</i> <i>MNNIT, Allahabad</i>	16:15-16:30
CONTRIBUTORY PAPERS	
Macro – porous Polymeric materials with Enhanced Ionic conductivity in Anion Exchange Membrane Fuel Cells <i>Devendra Kumar</i> <i>Pondicherry University, Pudhucherry</i>	16:30-16:40
Property dependence of hot cracking in LPBF for different materials <i>Ayush Singh</i> <i>PDEU, Gandhinagar</i>	16:40-16:50
A Novel Polysulfone-Modified ZIF67@PEGMA-5000 mixed matrix membrane for separation of oily wastewater <i>Sapna Gawali</i> <i>PDEU, Gandhinagar</i>	16:50-17:00
Sustainable process for simultaneous production of polyhydroxyalkanoate and polylactic acid utilizing Jatropha hydrolysate as substrate <i>Anjali P S</i> <i>CSIR-CSMCRI, Bhavnagar</i>	17:00-17:10
Development of a flame retardant Halloysite/Expanded Graphite (EG) incorporated melamine polymer composites <i>Benet Martin</i> <i>AJCEA, Kottayam</i>	17:10-17:20
Study on the Characterization of PVC Resin and the Enhancement of PVC Nanocomposites through the Incorporation of Graphene Oxide <i>Swarnalata Sahoo</i> <i>CIPET:IPT-Bhubaneswar</i>	17:20-17:30
Effects of Date Palm Pits (Phoenix Dactylifera) on the Performance of Maize Starch-DPP Biodegradable Film <i>Vipul Kumar</i> <i>CIPET:CSTS-Bhopal</i>	17:30-17:40
Bacteriostatic/ Bactericidal effect of carbon-based fillers for improved anti-microbial property in water storage applications <i>Mousam Choudhury</i> <i>CIPET:CSTS-Aurangabad</i>	17:40-17:50

18:15 PM onwards

CULTURAL NIGHT

(Performance by Students of CIPET)

DAY 3: 16th March, 2024 (SATURDAY)

HALL - I	PLENARY SESSION	09:00 – 11:45 Hours
Session Chairpersons: <i>Prof. Dyan Singh Arya and Dr. K N Pandey</i>		
Title		Time (hrs.)
Current Advances in Nanotechnology and Thin Film Research: Sustainable & Innovative Materials for Global Needs <i>Ashutosh Tiwari</i> <i>University of Utah, Utah</i>		09:00-09:30
Plastics-The good, the bad, and the Ugly, using Nano-bioengineering approaches to diminish the bad and Ugly <i>Naveen Kumar Navani</i> <i>IIT Roorkee</i>		09:30-10:00
Current Reviews and Future Perspectives of the Standardization of Bio based Plastics and Bio-Attributed Plastics Products <i>Yorimasa Suwa</i> <i>WIPO GREEN/Asia-Pacific Industrial Property Center (APIC), Japan</i>		10:00-10:30
TEA BREAK		10:30 – 10:45
Defluoridation through membranes –potential <i>A. Bhattacharya</i> <i>CSIR-Central Salt & Marine Chemicals Research Institute, Gujarat</i>		10:45-11:10
HALL - I	INVITED TALK	12:10 – 13:15 Hours
Polymer networks and its nanocomposites for damping of structural vibrations <i>M. Patri</i> <i>CEPTAM, Metcafe House, Delhi</i>		11:10-11:25
Sustainable materials for bio-based polymers <i>Jignesh Shukla</i> <i>Polymers Business, Atul Ltd, Gujarat</i>		11:25-11:50
Role of Plastics Industries in Defense Applications <i>Dr. D.H. Raiker</i> <i>Ex. Deputy Director & Head, CIPET:IPT-Chennai</i>		11:50-12:15
CONTRIBUTORY PAPERS		
Enhancing properties of low-quality wood via polymer modification: A value addition approach <i>Priya Nagraik</i> <i>IWST, Bengaluru</i>		12:15-12:25
Experimental and Numerical Investigation on the Effect of Process Parameters on Weld Quality of Dissimilar Materials by Friction Stir Welding <i>Jahnvi Katakpara</i> <i>IITRAM, Ahmedabad</i>		12:25-12:35

A Potential use of poultry bio-filler in the preparation of HDPE composite for Roof-Top applications <i>Aswini Kumar Mohapatra</i> <i>CIPET:IPT-Bhubaneswar</i>	12:35-12:45
Correlative HHV prediction from proximate and ultimate analysis of char obtained from co-cracking of residual fuel oil with plastics <i>Pamreishang Kasar</i> <i>CIPET:CSTS-Varanasi</i>	12:45--12:55
A Review of Vacuum Membrane Distillation Technique for Spent Sulphuric Acid Concentration and Water Recovery <i>Abhishek S. Mehta</i> <i>SVNIT</i>	12:55-13:05
VALEDICTORY FUNCTION: 13:05 – 13:30 Hrs	
LUNCH BREAK	13:30 – 14:30 Hours

DAY 1: 14th March, 2024

POSTERS

Venue: OLC ACADEMIC BLOCK (I Floor)

Poster ID	Name of the Presenter	Paper Title
I. FUNCTIONAL AND SMART MATERIALS		
<i>Session Chair: Prof. S K Goyal, Prof. W.G. Gurnule and Prof. Santosh Kumar</i>		
P 1	Monali Chhatbar <i>SVNIT, Surat</i>	Fabrication and Characterization of Nanoclay Augmented Novel Cation Exchange Membrane
P 2	Jay Pandya <i>SVNIT, Surat</i>	Novel Core-Shell Hydrogels for Controlled release of fertilizer
P 3	Rosh V P <i>CIPET:IPT-Chennai</i>	Development and Fabrication of EPDM Rubber Mats for Piezoelectric Applications
P 4	Shimna M <i>Ravenshaw University, Cuttack</i>	Optimizing Supercapacitor Electrode Performance: Co-Electrodeposition of Reduced Graphene Oxide/ Polypyrrole
P 5	Sangeeta Mahato <i>CIPET:IPT-BBSR</i>	Chitin-Chitosan Composite Embedded With Carbon Black For Water Purification
P 6	Nandan Saha <i>University of Calcutta</i>	Thermal Effects on Electrochemical Performance of Copper Oxide Nanoparticles Decorated Amine-Functionalized Graphene Oxide for Ultrahigh Energy Density Supercapacitor with Real-Life Application
P 7	Bibhudutta Das <i>CIPET:SARP-LARPM</i>	Flexible Polymer Substrate for Mechanical Energy Harvesting Using a

		Coating of BNT-based Piezoelectric Ink
P 8	Harish Sharma <i>IIT Roorkee</i>	Antimicrobial water based ink for active packaging application
P 9	Isha Chauhan <i>BITS, VIDYA</i>	Enhancing Conducting Polymer Performance through Substrate Selection
P 10	Ishwar Sharan <i>IIT Roorkee</i>	An investigation on the aminolysis of propylene carbonate: the impact of amines and solvents on the production of polyhydroxyurethanes and non-isocyanate polyurethanes
P 11	Samarth Gohel <i>CSIR-CSMCRI, Bhavnagar</i>	Strategies for avoiding biofouling over polymeric ultrafiltration membrane
P 12	Anag Katiyar <i>IIT Roorkee</i>	Ce-based catalyst for the synthesis of propylene carbonate through cycloaddition of epoxide and CO₂
P 13	Monica Ranga <i>IIT Roorkee</i>	Fibrous BiVO₄ photoanode for wastewater treatment and water oxidation along with H₂ evolution
P 14	Bhavna Sharma <i>IIT Roorkee</i>	Effect of CNCs incorporated acrylic copolymer resin on printing properties of waterborne inks
P 15	Priya Varshini G <i>CIPET:IPT-Chennai</i>	Extraction of the biodiesel from the marine chlorella vulgaris microalgae
P 16	Vibha Goswami <i>CIPET:IPT-Jaipur</i>	Activation of Indian Bentonite Clay and its Coating using Polymer Acrylic Emulsion for Adsorption of Acid Red 97 Dye: A Column Study
P 17	Amar Kumar Sahoo <i>CIPET:IPT-BBSR</i>	Fabrication of flexible piezoelectric nano composites for energy harvesting application
P 18	Aman Pal <i>CIPET:IPT-BBSR</i>	Fabrication of TENG using MOF/Graphene Oxide / PVDF composite as triboelectric layer for energy harvesting

II. POLYMERS IN MEDICAL AND HEALTHCARE

Session Chair: *Prof. S K Goyal, Prof. W.G. Gurnule and Prof. Santosh Kumar*

P 19	Selvi K <i>CIPET:IPT- Kochi</i>	Revolutionizing Multiplex Pathogen Detection with Conjugated Light emitting Fluorescent Nanoparticles
P 20	Rajarshi Das <i>University of Calcutta</i>	3-Polythiophene Acetic Acid Nanosphere Anchored Few-Layer Graphene Nanocomposites for Label-Free Electrochemical Immunosensing of Liver Cancer Biomarker

P 21	Zavin Gajera <i>Sardar Vallabhbhai National Institute of Technology, Gujarat</i>	Co-Hydrothermal Carbonization of Human Feces and Urine: Comprehensive Kinetic and Thermodynamic analysis of hydrochar
P 22	Ravi Kumar Sahu <i>CIPET:IPT-Bhubaneswar</i>	Modification & Evaluation of Zinc Oxide Nanoparticles Using Plant Extracts for Biomedical Application
P 23	Mohd. Usman <i>CIPET:IPT-Chennai</i>	Synthesis and Characterization of Polyaniline-NBR/PVC Blends by In-Situ Polymerization For Electronic Sensing And Functional Materials
P 24	Aardra V Ananthan <i>CIPET:IPT-Kochi</i>	Development and Assessment of Curcumin Extract loaded in Biocompatible Alginate-Based Hydrogel Film for Biomedical Applications
P 25	Gurumoorthi Ramar <i>CIPET:IPT-Kochi</i>	Nanoparticles incorporated polymer Composite nanofiber for bone regeneration applications
P 26	Arya M <i>CIPET:IPT-Chennai</i>	Design and Synthesis of polymeric antibiotics

III. BLENDS, ALLOYS AND COMPOSITES & NANOMATERIALS

Session Chair: Prof. Rajneesh Tyagi and Prof. Kishala Mitra

P 27	Janvi sahu <i>CIPET:IPT-Raipur</i>	Study on PLA-HDPE blend for preparation of 3D printing filaments.
P 28	Namrata Solanki <i>CIPET:IPT-Ahmedabad</i>	Novel composites from PMMA, fly ashes and quartz silica: Preparation and characterization
P 29	Tapan J Bhavsar <i>PDEU, Gandhinagar</i>	Development and Characterization of Metal Matrix Composite (Al-SiC)
P 30	Stephen Jose <i>CIPET:IPT-Kochi</i>	Effect of Calcination Temperature on the Photophysical Properties of Green TiO₂ Nanoparticles
P 31	Sheth Mansi <i>SCNPF & DNSC, Vadodara</i>	Modified unsaturated polyester resin: Synthesis, characterization and investigation of composite properties
P 32	G. K. Singh <i>Pondicherry University</i>	Polypropylene / Corn Starch based Biodegradable Composite a Study on Mechanical and Thermal Behaviour
P 33	Priyanka Bhargava <i>CIPET:CSTS-Bhopal</i>	Fabrication of Glass Fibre Reinforced Composite Based On Novolac Vinyl Esterfuran Resin Interacting Matrix System
P 34	Sudhanshu Kumar <i>CIPET:IPT-Ahmedabad</i>	Development of Hybrid rubber compound for Ci/Di Gasket and other industrial application
P 35	Mitali Yadav <i>ISTAR, Vvnagar</i>	Synthesis and Characterization of Tetra-Functional resin based on Resorcinol-

		Furfural with Epichlorohydrin and Investigation of Composite Properties
P 36	Rudresh Trivedi <i>ISTAR, Vvnagar</i>	Development of Modified Cardanol Based Epoxy Resin and Its Composites Based On Natural And Synthetic Reinforcing Material.
P 37	Meet Patel <i>ISTAR, Vvnagar</i>	Synthesis and characterization of modified phenolic resin and its application in composites
P 38	Diwahar Periasamy <i>CIPET:IPT-Chennai</i>	Investigating the Mechanical and Thermal Properties of Polypropylene Composites Utilizing Recycled Polyester Waste as Sustainable Reinforcement for Safety Helmet Application
P 39	Divine Sharon M <i>CIPET:SARP-APDDRL</i>	Influence of Ethylene Octene Copolymers on the Impact Resistance of High-Density Polyethylene
P 40	Swati Mondal <i>CIPET:IPT- Bhubaneswar</i>	Evaluating the properties of (PPh) Phragmites karka reinforced Polypropylene (PP) composites
P 41	Gabriel. A <i>CIPET:SARP-ARSTPS</i>	Fabrication & study of Mechanical properties in Flax fiber composite using Vacuum infusion process
P 42	Abhishek Bhabani <i>CIPET:IPT-Bhubaneswar</i>	Synthesis and decoration of CuO-g-Polyaniline Nanofiber over MWCNT and to use it in modern flexible Supercapacitors electrodes.
P 43	Dilip Kumar Sahu <i>CIPET:IPT-Raipur</i>	Physical and Mechanical Properties of Microcellular Silicon Elastomer Nanocomposites: Effect of Conductive Nanographite
P 44	Gopikrishnan M <i>CIPET:IPT-Chennai</i>	Influence of Silicon Nanoparticles on Mechanical and Water Absorption Properties of Basalt and Snake Grass fiber Reinforced Epoxy Composites.
P 45	Pankaj Lochan Sarangi <i>CIPET:IPT-BBSR</i>	Investigation on the role of titanium dioxide nanoparticles on the hydrolysis of poly lactic acid and its impact on the Physico-mechanical properties of films

DAY 2: 15th March, 2024

POSTERS

Venue: OLC ACADEMIC BLOCK (II Floor)

Poster ID	Name of the Presenter	Paper Title
IV. SUSTAINABLE AND GREEN MATERIALS		
<i>Session Chair: Prof. K L Mangesh and Dr. Shakti Singh Chauhan</i>		
P 46	Khilendra Ratre <i>CIPET:IPT-Raipur</i>	Leaf Fiber Revolution: Sustainable Bio-Composite for Plastic Packaging Alternatives
P 47	Ruchi Tomar <i>CIPET:IPT-Ahmedabad</i>	Exploration of Orange Peel-Reinforced Polylactic Acid (OPR-PLA) Biocomposites for Sustainable Thermoforming
P 48	Aswathi Ashokan <i>CIPET:IPT-Kochi</i>	Exploring the Bio-Filler Potential: Enhancing PVA Properties Via Epichlorohydrin Crosslinking and Eggshell Loading
P 49	Snehal S. Tambe <i>SPPU, Pune</i>	Unveiling the efficacy of onion peel extract in starch-PVA-MMT films for active food packaging
P 50	Kaushal J. Bavaliya <i>ISTAR, Vvnagar</i>	Emerging Horizons: Exploring Innovative Poly Lactic Acid Based Composite
P 51	Nilesh S. Vala <i>ISTAR, Vvnagar</i>	Preparation of biodegradable blends with diverse composition of poly lactic acid, polycaprolactone with using of Compatibilizer
P 52	Archana. S <i>CIPET:IPT-Chennai</i>	Biodegradable Flexible Film by Using Polylactic Acid with Thermoplastic Starch
P 53	Sanjana Das <i>CIPET:IPT-Raipur</i>	Development of Sprayable Biodegradable Film by Kitchen Waste for its Potential use in Seed Germination and Other usage
P 54	Kartik Bisht <i>CIPET:IPT-Ahmedabad</i>	Eco Sustainable Biopolymer Based Blown Film Using PLA/PBAT Blend
P 55	Vishwajeet Kshirsagar <i>CIPET:IPT-Ahmedabad</i>	Biodegradable Film From Wheat Straw Derived Polylactic-Acid (PLA).
P 56	Subhashree Mohanty <i>CIPET:SARP-LARPM</i>	Advancements in Degradable Polyolefin Packaging utilizing Biodegradable Additives: An Approach towards sustainability
P 57	Saksham Rathore <i>CIPET:IPT-Ahmedabad</i>	Development of Bio-Compostable Polymer From Blending PBT And PEG With Agricultural Waste, Bagasse Fiber : A Sustainable Approach

P 58	Narendra Behera <i>CIPET:IPT-BBSR</i>	Studies of mechanical, thermal and biodegradable behaviour of bioplastics (PLA/PBAT) based composite film reinforced with peanut shell fibre for packaging application
P 59	Subhasish Bera <i>CIPET:IPT- Bhubneswar</i>	Studies on Mechanical, Thermal and Biodegradation Properties of PBAT Biocomposites through Rice Straw Incorporation for agricultural and packaging application
P 60	Vismay Pujari <i>CIPET:IPT-Ahmedabad</i>	Fabricating sustainable bio-degradable, water-soluble, and economical polymer for the packaging and film industries
P 61	Mayank <i>CIPET:IPT-Ahmedabad</i>	Incorporation of carboxy methyl cellulose extracted from water hyacinth for reinforcement in Bio based plastic
P 62	Dibya Prakash <i>CIPET:IPT-BBSR</i>	Agricultural waste pineapple leaf fiber reinforced polylactic acid green composites for food packaging films
P 63	Divyashree K <i>CIPET:IPT-Chennai</i>	Halophilic degradation of Low Density Polyethylene with Novel mineral medium
P 64	Chinmaya Acharya <i>CIPET:SARP-LARPM</i>	Enhancing bitumen packaging utilizing EVA - Advancements and implications
P 65	Aniket Ratnaparkhi <i>IIT, Gandhinagar</i>	A comparative study of % reduction in soiling loss of solar PVs in clean and polluted environments

V. RECYCLING, WASTE MANAGEMENT TECHNOLOGIES AND VALUEADDITION

Session Chair: Prof. Utpal Joshi and Dr. Shiny Velayudhan

P 66	Sameer Nayak <i>CIPET:IPT-Chennai</i>	Preparation and Characterization of Recycled Polyethylene Terephthalate/High Density Polyethylene for 3D Printing
P 67	Bhavana Shanmughan <i>DIAT, Pune</i>	Removal of lead and gadolinium from industrial effluents using sewage sludge-derived sustainable adsorbent
P 68	Aryan Sawant <i>PESMCE, PUNE</i>	A Power-BI Analysis of Research Trends in Sustainable Waste Management in India
P 69	Pragti Saini <i>IIT, ROORKEE</i>	Presence of volatile organic compounds and odorous compounds in recycled plastics

P 70	Shashank Upadhyay <i>CIPET:IPT- Chennai</i>	Development of black vulcanizing cement by using waste pyrolyzed tire
P 71	Priya Dongare <i>DIAT, Pune</i>	Modeling Acidic dye adsorption on sustainable char derived from sewage sludge using Machine learning algorithms
P 72	Suvidha Sehrawat <i>CSIR-NCL, Pune</i>	Solvothermal Depolymerization of PLA: A Promising Pathway to Sustainable Plastic Recycling
P 73	Dillip Kumar Kar <i>KIIT, Bhubneswar</i>	Managing Post-Cyclone Debris: Strategies for Waste Management, Recycling, and Sustainable Recovery
P 74	Ankur Ghanti <i>CIPET:IPT-BBSR</i>	An Experimental Study Of Recycled Polystyrene and Low Density Polyethylene Reinforced with Jute Fibre for Advance Packaging Application
P 75	Akshita Singha <i>IIT Roorkee</i>	Valorization of industrial waste for energy storage application
P 76	Priyanka Verma <i>SB- Constantia, India</i>	Advantage of PE/PE sustainable Flexible Packaging: Multiple Lives/Recycling eligible for Flexible-to-Flexible application after recycling
P 77	Monalisha Jena <i>CIPET:IPT-Bhubaneswar</i>	Value addition through recycled thermoplastic/Rubber blend development for various applications
P 78	Maddikunta Venkatasai <i>CIPET:IPT-Jaipur</i>	Sustainable Transformation of Used Syringe into Educational Model Tool Kits
P 79	Sushree suman saho <i>CIPET:IPT-BBSR</i>	Chemical recycling of rigid polyurethane foam by using glycolytic agent in presence of organic catalyst

VI. 3D MODELLING, COMPUTATIONAL METHODS AND NUMERICAL SIMULATIONS

Session Chair: Prof. Amaresh Mishra and Prof. Vishvesh Badheka

P 80	Smit Patel <i>PDEU, Gandhinagar</i>	Optimizing PCB Vibration Damping: Evaluating Material Effects in Particle Damping Techniques for Mitigating Failures
P 81	Kunj Jajal <i>PDEU, Gandhinagar</i>	Applications of Additive Manufacturing in Micromachining
P 82	Sharath C M <i>CIPET:SARP-APDDRL</i>	Optimizing Volumetric Shrinkage and Residual Stress in Injection-Molded Transparent Disks Using Taguchi Technique and Z-Section Data Analysis
P 83	Swathi Suneesh <i>BITS, VIDYA</i>	Understanding Electronic Structure and Optical Properties of Naphthalene diimide Copolymer: A Density Functional Theory Study
P 84	Sonu Sunny <i>BITS, VIDYA</i>	Electrochemical Switching of poly(benzimidazobenzophenanthroline) (BBL) Thin Film: A Theoretical Study
P 85	Sreeram Prakash	Detection of Volatile Organic Compounds

	<i>BITS, VIDYA</i>	using Naphthalene diimide based Covalent Organic Framework- A DFT study
P 86	Previn R <i>CIPET:SARP-APDDRL</i>	Performance Analysis of 5kWp Floating Solar Photovoltaic Power plant at High Altitude using PVsyst
P 87	Kartik Anil Nair <i>PDEU, Gandhinagar</i>	Fatigue Behavior of Additively Manufactured AISi10Mg
P 88	Harshvardhan Rajpurohit <i>CIPET:IPT-Ahmedabad</i>	Comparative Study on Electrochemical Corrosion and Sliding Wear Behavior of Medical Grade 254 SMO and 316 L Stainless Steel for Orthopaedic Application
P 89	Manoj Sahni <i>PDEU, Gandhinagar</i>	Stir Casting for Functionally Graded Materials: A Review
P 90	Jaminraja <i>CIPET:SARP-APDDRL</i>	Design, Fabrication and Validation of Contoured Sandwich Composite Panel For E-Vehicle