









APA-EPNOE-GFL International Conference on

Polymers for Advanced Technology

16-18 October, 2024 | Jaipur, India

Day-1 | 16th October, 2024 | Programme

08:00-onwards | Registration

Inauguration (Venue: Ashoka Hall) | Time: 09:00-10:20

Bouquet Presentation/ Lamp Lighting

Time: 09:00-09:05

Welcome Address

Manohar V. Badiger (Conference Chair)

Time: 09:05-09:10

APA Address

Bhuvanesh Gupta (APA, President)

Time: 09:10-09:15

EPNOE Address

Pedro Fardim (EPNOE President)

Time: 09:15-09:25

GFL Address

Vijay Kumar Soni (GFL)

Time: 09:25-09:35

Guest of Honor Address

Shishir Sinha (Director General, CIPET, Chennai)

Time: 09:35-09:50

Inaugural Address

Didier Letourneur (Chief Guest, INSERM Paris, France)

Time: 09:50-10:10

Memento Presentation

By Conference Chairs

Time: 10:10-10:15

Vote of Thanks

Susheel Kalia (IMA, India)

Time: 10:15-10:20

Inaugural Tea | 10:20 -11:00



Session 1 | Venue : Ashoka Hall

Plenary Lectures

Chairs: Anup K. Ghosh, IIT Delhi, India & Sanjay K. Nayak, Ravenshaw Univ., Cuttack, India

Plenary Lectures-1

Didier Letourneur, INSERM, Paris, France

Polymers for biomedical applications: Three examples of the Journey from Research to Patients

Time: 11:00-11:30

Plenary Lectures-2

Már Másson, University of Iceland, Iceland

Innovations in Chitosan Research: From Antimicrobial Properties to Advanced Drug Delivery Systems

Time: 11:30-12:00

Plenary Lectures-3

Suprakas Sinha Ray, DSI-CSIR Nanotechnology Innovation Centre, South Africa

Sustainable Polymer Blend Nanocomposites - A Perspective on Morphology Evolution and

Property Expression

Time: 12:00-12:30

Plenary Lectures-4

Virendra Kumar Gupta, Reliance Industries Ltd, Mumbai, India

Emerging Directions in High Performance Polymers and Composites Materials for Smart Applications

Time: 12:30-13:00

Lunch Break | 13:00 -14:00

Session 2: EPNOE Symposium on Polysaccharides			
	Chairs: Már Másson, Reykjavík, Iceland & Venue: Ashoka Hall Joëlle Amédée, INSERM, Bordeaux, France		
Time	Lecture	Title/Author	
14:00-14:25	KN	Engineering Chitosan Biohydrid Hydrogels for A Pedro Fardim KU Leuven, Belgium	Advanced Wound Healing
14:25-14:45	IL	Transparent cellulosic composites- fabrication Archana Samanta <i>Indian Institute of Technology Delhi, New Delhi</i>	
14:45-15:05	IL	Functional Designing of Tragacanth Gum Nand Delivery Deepak Pathania <i>Central University of Jammu, Jammu, India</i>	ogels for Anticancer Drug
15:05-15:25	IL	Antibacterial and Hemostatic Polymeric Hydro Jayakumar Rangasamy Amrita Vishwa Vidyapeetham, Kochi, India	gels



Session 3: GFL Symposium on Hydrogen Energy				
Chairs: Bruno Ameduri, ENSCM, Montpellier, France & Venue: Gulmohar Hall Günther G. Scherer, PSI (Formerly), Switzerland				
Time	Lecture	Title/Author		
14:00-14:25	KN	TBA Kapil Malhotra <i>GFL, Noida, India</i>		
14:25-14:45	IL	Advances in Hydrogen-Based Polymer Electron Challenges Santoshkumar D Bhat CSIR-Central Electrochemical Research Institution	,	
14:45-15:05	IL	Surface and interface engineering for enhand Bhavana Gupta <i>UPES, Dehradun, India</i>	ced solar-to-H ₂ conversion	
15:05-15:25	IL	Solid Oxide Electrolysis Cells for Efficient CO and Mechanisms Neetu Kumari <i>Malaviya National Institute of Technology, Ja</i>	-	

Session 4: Reliance Microsymposium on Sustainability			
		CEE New Delhi, India & Bhubaneswar, India	Venue: Tulsi Hall
Time	Lecture	Title/Author	
14:00-14:25	KN	Closed-loop circular economy in ABS Vitrimers Suryasarathi Bose <i>IISc, Bangalore, India</i>	
14:25-14:45	IL	New Dimensions of Bio Polyols to be used for spe Jayant khadilkar <i>Jay Elastomers Pvt Ltd, Navi Mumbai, India</i>	ecific performances
14:45-15:05	IL	Compostable Polymer Nanocomposites Films for Jayita Bandyopadhyay Council for Scientific and Industrial Research, Sou	3 3
15:05-15:25	IL	Polymers in Circular Economy: An approach to su Industries Anil Kumar Satapathy <i>Finolex Industries Limited, Ratnagiri, India</i>	stainability for Indian
Tea Break 15:25 -15:40			



Session 5 : APA Microsymposium on Biomaterials					
	Chairs: Didier Letourneur, INSERM, Paris, France & Venue: Ashoka Hall Amit Jaiswal, IIT Mandi, India				
Time	Lecture	Title/Author			
15:40-16:00	IL	Polysaccharides-nanoparticle hydrogels for bio Havazelet Bianco-Peled Technion - Israel Institute of Technology, Israel			
16:00-16:15	OL	Moringa oleifera Enriched Carrageenan-PEG-Le Membrane as an Advanced Wound Dressing M Pratibha Singh Indian Institute of Technology Delhi, New Delhi,	laterial		
16:15-16:30	OL	Dissolvable microneedles for the rapid delivery and evaluations Rosemary <i>HLL Lifecare Ltd., Trivandrum, India</i>	of drugs: Development		
16:30-16:45	OL	Integration of homeopathy and biomedicine: De Evaluation of nanofibrous matrices loaded with tincture of Syzygium cumini for wound healing Bhisham Singh Manipal School of Life Sciences, Manipal, India	n homeopathic mother applications		
16:45-17:00	OL	Surface-modified Polysulfone Ultrafiltration Me Antifouling Analysis Uttam Kumar Mandal <i>Guru Gobind Singh Indraprastha University, Ne</i>			

Session 6: Functional & Smart Materials					
	Chairs: Ashwini K. Agrawal, IIT Delhi, New Delhi, India & Venue: Gulmohar Hall S. Bose, IISc, Bangalore, India				
Time	Lecture	Title/Author			
15:40-16:00	IL	4D Biomaterials: Beyond three dimensions Amit Nain <i>Indian Institute of Science, Bangalore, India</i>			
16:00-16:15	OL	Evaluation of anti-corrosion properties of mild s clay-reinforced epoxy-based polymer matrix co Kunal Borse <i>Malaviya National Institute of Technology, Jaipu</i>	mposite		
16:15-16:30	OL	Microwave-assisted bio-vitrimer/rGO framewor applications Sarvendra Rana UPES, Dehradun, India	k for Anti-corrosion		
16:30-16:45	OL	Improving the performance of thermal liner of fi aerogel technology Rochak Rathour Indian Institute of Technology Delhi, New Delhi,	,		
16:45-17:00	OL	Redox responsive folic acid conjugated PLA-PE delivery of pirarubicin & salinomycin: Targeted b vitro and in-vivo Ankushi Bansal Indian institute of Technology Delhi, New Delhi,	reast cancer therapy in-		



Session 7: APA Microsymposium on Nanomaterial & Nanocomposites				
	Chairs: Suprakash Sinha Ray, CSIR, Pretoria, South Africa & Venue: Tulsi hall Virendra K. Gupta, RIL, Mumbai, India			
Time	Lecture	Title/Author		
15:40-16:00	IL	Modification of Lignin and Development of its Polymer Composites Satyendra Mishra <i>NMU, Jalgaon, India</i>		
16:00-16:15	OL	Role of Different Layered Double Hydroxides (LDH's) on the Properties of PMMA nanocomposites: A Comparative Study Manish Kumar Harcourt Butler Technical University, Kanpur, India		
16:15-16:30	OL	Enhanced dye rejection studies using nanocomposite zeolite infused PPSU membranes Vijesh A. M. Payyanur College, Payyanur, Kannur, India		
16:30-16:45	OL	Phytosynthesis of Iron oxide Nanoparticle for Evaluating its Antibacterial Susceptibility Giriraj Tailor MLS University, Udaipur, India		
16:45-17:00	OL	Effect of surfactants on dispersion of SWCNT in N-Oxide for dissolution of cellulose Geetanjali Mishra The Bombay Textile Research Association, Mumba		

Tea Break | 17:00 -17:20

Session 8 : APA Distinguished Award Plenary Lectures				
Chairs: Kapil Malhotra, GFL, Noida, India & Venue: Ashoka Hall Pedro Fardim, KU Leuven, Belgium				
Time	Lecture	Title/Author		
17:20-17:50	PL	On the Overall situation of Poly- or perfluoroalkyl s and Recycling of Fluoropolymers Bruno Ameduri <i>ENSCM, Montpellier, France</i>	ubstances (PFASs)	
17:50-18:20	PL	Composite Polymers for Bone Tissue Engineering: stimulate vascularization and innervation of the bound Joëlle Amédée University of Bordeaux, France		

19:00-22:00 | Conference Dinner, Cultural Programme & APA Award Presentation (Green Lawn)







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Day-2 | 17th Oct, 2024 | Programme

Session 9 : Biomaterials & Bioengineering					
	Chairs: Havazelet Bianco-Peled, Haifa Israel & Venue: Ashoka Hall R. Jayakumar, AU, Cochin, India				
Time	Lecture	Title/Author			
09:00-09:20	IL	Quaternized Pullulan-Based Nanoplatforms: A for Antimicrobial Therapy, Wound Healing, and Associated Infections Amit Jaiswal Indian Institute of Technology Mandi, India			
09:20-09:40	<u>I</u> L	An Industrial Method to Produce Biocompatible Nanocomposites and Immunomodulatory Mac Next Generation Medical Devices and Vaccine Lakshminarayanan Ragupathy HLL Lifecare Limited, Thiruvananthapuram, Ind	cromolecules towards Technology		
09:40-09:55	OL	Direct 3D Printing of Decellularized Matrix with Osteochondral Regeneration Sumit Murab Indian institute of Technology, Mandi, India	Thermoplastics for		
09:55-10:10	OL	Development of smart piezoelectric strain sens and Pulmonary Function Analysis Debashish Nayak CIPET:SARP-LARPM, Bhubaneswar, India	sors for Breath Monitoring		



Session 10: Functional & Smart Materials				
	Chairs: Mudrika Khandelwal, IIT Hyderabad, India & Venue: Gulmohar Hall Arun Kumar Patra, UPTTI, Kanpur, India			
Time	Lecture	Title/Author		
09:00-09:20	IL	Eco-friendly Smart Self-healing Multifunc and Composites Vikas Gite <i>Kavayitri Bahinabai Chaudhari North Mah</i>	, g	
09:20-09:40	IL	Fabrication of Ecofriendly Polymeric Materials and Their Applications Balbir Singh Kaith Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India		
09:40-09:55	OL	pH-Responsive Bio-based Materials for E Efficiency Mehdi Khouloud <i>UM6P, Morocco</i>	nhanced Agricultural Fertilizer	
09:55-10:10	OL	Polymer nanocomposite based low-cost temperature ammonia detection Kamlendra Awasthi <i>Malaviya National Institute of Technology</i>		
10:10-10:25	OL	Synthesis and Modification of NBN-Integr High-Performance Rubber Materials: Des Subrata Dolui <i>Hiroshima University, Japan</i>		

Session 11: Springer Student Oral Contest			
	Chairs: Jyoti Chaudhary, MLSU, Udaipur, India & Venue: Tulsi Hall Deepak Pathania, CU, Jammu, India		
Time	Lecture	Title/Author	
09:00-09:10	OL	One-pot synthesis of terpolymer derived from propyle dioxide and L-lactide using Salcomine complexes. Akanksha Ranade Thapar Institute of Engineering and Technology, Patia	
09:10-09:20	OL	Moisture-activated oxygen scavenger based on Acacia catechu for active food packaging: A plant-based alternative Prachi Jain Indian Institute of Technology, Roorkee, India	
09:20-09:30	OL	Antibacterial Alginate Hydrogel-Coated Osteogenic & Cement Beads Arthi Chandramouli Amrita Vishwa Vidhyapeetham, Ponekkea, Kochi, Indi	
09:30-09:40	OL	Effect of Carbon nanotube functionalization on mechand biological response of ultra-high molecular weigh based bio-composites Pooja Rani Indian Institute of Technology, Kanpur, India	
09:40-09:50	OL	P(NIPAm-Co-AAc)-AEMR integrated PVA hydrogels: I polymerization, responsive features, and cytotoxicity: Parvathy P A CSIR-NIIST, Thiruvananthapuram, India	



09:50-10:00 OL	Bioreactor stimulated PCL-dECM based electrospun scaffolds with Umbilical Cord MSCs initiate tenogenesis and reinforce mechanical integrity Amrutha Datla Indian Institute of Technology, Hyderabad, India
10:00-10:10 OL	Enhancing Immune Efficiency Through Amino Acid-Based Polymeric Nanoparticles Divya Pareek Indian Institute of Science, BHU, Varanasi, India

Tea Break | 10:10-10:45

Session 12: /	Advanced	Materials	
Chairs: JK Ra Anupama Kur		, Dahej, India & Nagpur, India	Venue: Ashoka Hall
Time	Lecture	Title/Author	
10:45-11:05	IL	Rice husk ash waste as effective reinforcement composites/nanocomposites for electronic ap Rajendra Kumar Goyal <i>Malaviya National Institute of Technology, Jaip</i>	plications
11:05-11:25	IL	Development of Polypropylene Homopolymer f Applications with Enhanced Gas Fading Resist Priyanka Singh <i>HPCL-Mittal Energy Ltd., (HMEL), Noida, India</i>	
11:25-11:45	IL	Metal Salts as Catalysts in Ring-opening Polyn Payal Malik Sant Longowal Institute of Engineering and Tec Punjab, India	·
11:45-12:05	IL	Tuning the physicochemical and dielectric prop graphene nanocomposites Sidhharth Sirohi <i>Bhaskaracharya College of Applied Sciences (New Delhi, India</i>	
12:05-12:25	IL	Effects of Polymer Physicochemical Properties Microneedles (DMN) for Transdermal Drug Del Sudip K. Pattanayak Indian institute of Technology Delhi, New Delhi,	ivery



Session 13: F	olymers f	or High technology	
Chairs: Satyer Manohar V. Ba		a, NMU, Jalgaon, India & _, Pune, India	Venue: Gulmohar Hall
Time	Lecture	Title/Author	
10:45-11:05	IL	Synthesis of Nanodiamonds and Their Textiles Ashwini Kumar Agrawal <i>Indian institute of Technology Delhi, Ne</i>	
11:05-11:25	IL	Synthesis and characterization of sulfu overview Susanta Banerjee <i>Indian Institute of Technology, Khargpu</i>	
11:25-11:45	IL	Piezoelectric Nanofibers for Textile-bas Kaushik Parida <i>Indian Institute of Technology, Roorkee</i>	
11:45-12:05	IL	Continuous Flow Synthesis of Conjuga Photocatalysts Prem Felix Siril Indian Institute of Technology, Mandi, I	, ,
12:05-12:25	IL	Electroconductive Graphene-crosslinke Inflammation in Spinal Cord Regenerat Akshay Srivastava National Institute of Pharmaceutical Ed Ahmedabad, India	tion

Session 14: \	Wiley Stud	ent Oral Contest	
	Chairs: Susheel Kalia, IMA, Dehradun, India & Venue: Tulsi Hall B. S. Kaith, NIT Jalandhar, India		
Time	Lecture	Title/Author	
10:45-10:55	OL	Mineralized Himalayan Sheep Wool Based Com Scaffolds with Curcumin for Osteosarcoma Mar Himanshi Diwan Indian Institute of Technology, Mandi, India	•
10:55-11:05	OL	Pectin/PVA composite films reinforced with spo packaging application Diksha Lingait Visvesvaraya National Institute of Technology, N	
11:05-11:15	OL	Biofunctional Polyethylene terephthalate Surfac Activation Rohini Verma <i>Indian Institute of technology Delhi, New Delhi, I</i>	,
11:15-11:25	OL	Polysaccharide-based Biopolymer Composite for Kalpana Rathore <i>Indian Institute of Technology Kanpur, Kanpur, I</i>	5 5



11:25-11:35	OL	High-performance functional fibers from the Bacterial Cellulose hydrogel Anurag Kumar Indian Institute of Technology, Hyderabad, India
11:35-11:45	OL	PVDF-HFP based proton-conducting composite polymer electrolyte for next generation electrochemical devices Asish Kumar Sahu Ravenshaw University, Cuttack, Cuttack, India
11:45-11:55	OL	Isolation, Modification and Characterization of Sago Starch Sakshi Gupta Dr. S.S.B UICET, Panjab University, Chadigarh, India

12:25-13:00
Wisdom Contest (Session 15): (Green Lawn)
Coordinators: Chetna Verma, IIT Delhi, New Delhi, India & Pratibha Singh, AIIMS, New Delhi, India

Lunch Break | 13:00 -14:00

Session 16: I	Biomateri	als & Bioengineering	
	Chairs: Manju Saraswathy, SCTIMST, Thiruvananthapuram, India & Venue: Ashoka Ha Manohar V. Badiger, NCL Pune, India		
Time	Lecture	Title/Author	
14:00-14:20	IL	Bacterial Cellulose- a tunable matrix for drug deliver Mudrika Khandelwal <i>Indian Institute of Technology Hyderabad, Hyderaba</i>	•
14:20-14:40	IL	Poloxamer based Nanoformulations for enhanced be Sabitha M <i>Amrita School of Pharmacy, Kochi, India</i>	orain delivery
14:40-14:55	OL	Dextran and its Derivatives as Fouling-resistant Poly Modification of Cotton Gauze Debirupa Mitra BITS Pilani Hyderabad Campus, Hyderabad, India	ymers for Surface
14:55-15:10	OL	Designing of Infection-Resistance Polyurethane Film Manali Somani Indian Institute of Technology Delhi, New Delhi, India	
15:10-15:25	OL	Novel polymeric hydrogel mimics the cellular micror promotes neurite growth with protection from oxida Pradeep Paik Indian Institute of Technology (BHU), Varanasi, India	tive stress



Session 17:	APA Micro	symposium on Packaging	
Chairs: Jayitha Bandopadhyay, Pretoria, South Africa & Venue: Gulmohar Jyoti Chaudhary, MLSU, Udaipur, India			Venue: Gulmohar Hall
Time	Lecture	Title/Author	
14:00-14:20	IL	Recent advances in nonedible oil-based polyu Synthesis, characterization, and coating applic packaging Rakesh K. Sharma The Maharaja Sayajirao University of Baroda,	cations in the food
14:20-14:40	IL	Value addition of Pomegranate Peels: From He Applications Anupama Kumar Visvesvaraya National Institute of Technology,	3,
14:40-14:55	OL	Polyolefin/pistachio shell biocomposites: Mec thermal and morphological properties Manjeet Singh Bhabha Atomic Research center (BARC), Mum	
14:55-15:10	OL	Development and Characterization of Eco-frie Packaging Films based on Strach/k-Carragee Flyash and Functionalized by Eucalyptus oil A. B. Hemavathi SJCE, JSS STU, Mysuru, India	
15:10-15:25	OL	Sustainable production of Nitrogen-Doped Ca fibrous packaging films Ankit Tyagi <i>Indian Institute of Technology, Jammu, India</i>	rbon dots for electrospun

Session 18: A	Advanced	Materials	
	•	. Jaipur, India & rkee, Saharanpur, India	Venue: Tulsi Hall
Time	Lecture	Title/Author	
14:00-14:20	IL	Germicidal textiles - novel ways of applying Copper n Arun Kumar Patra Uttar Pradesh Textile Technology Institute, Kanpur, In	·
14:20-14:40	IL	Plasma mediated Dyeing of Cotton Fabric from Temprosa sinensis) Waste Shamayita Patra SVITT, SVVV, Indore, India	ole Flower (Hibiscus
14:40-14:55	OL	The development of germicidal textiles based on Mxe Subhankar Maity Uttar Pradesh Textile Technology Institute, Kanpur, In	
14:55-15:10	OL	Alkaline Resistance Polymer Coating on Polyester for Applications Shyam Sainik The Bombay Textile Research Association, Mumbai, I	•
15:10-15:25	OL	Advanced technologies for controlling pests Rathna Vn Gundloori CSIR-National Chemical Laboratory, Pune, India	

Session 19

15:25-17:30 | Tea & Poster Presentation (Green Lawn)

Chairs: Susheel Kalia, IMA, Dehradun, India & Manali Somani, IIP, New Delhi, India







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Day 3 | 18th October, 2024 | Programme

Session 20: I	Session 20: Biopolymers & Biomaterials				
	Chairs: Siddharth Sirohi, Bhaskaracharya College, New Delhi, India & Venue: Ashoka Ha Vikas Gite, NMU, Jalgaon, India				
Time	Lecture	Title/Author			
09:00-09:20	IL	Antioxidant, Tensile Strength and Biodegradation Incorporated Soy Protein Isolate Films Rakesh Kumar Central University of South Bihar, Gaya, India	Behaviour of Quercetin		
09:20-09:40	IL	Design and 3D printing wollastonite reinforced PL scaffolds for bone tissue engineering Himansu Sekhar Nanda PDPM-IIITDM, Jabalpur, India	A/PCL composite		
09:40-09:55	OL	Transport of Diclofenac from Chitosan and Chitos nanoparticles: A Comparative In Vitro Analysis Goutam Thakur <i>Manipal Institute of Technology, MAHE, Manipal, I.</i>			
09:55-10:10	OL	Mechanical Properties of semi-IPN nanocomposi black loaded natural rubber and sodium carboxyn Mohanan A. Nehru Arts and Science College Kanhangad, Padn	nethyl cellulose		



Session 21: I	unctiona	& Smart Materials	
Chairs: Susar Jaspreet Kau		ee, IIT Kharagpur, India & di, India	Venue: Gulmohar Hall
Time	Lecture	Title/Author	
09:00-09:20	IL	Cellulose nanomaterials for advanced app sustainable and circular ecosystem Pradip Kumar Maji Indian Institute of Technology Roorkee, Sa	,,
09:20-09:40	IL	Development of Plasticizer Free polymer nadditives for Biomedical application Manju Saraswathy Sree Chitra Tirunal Institute for Medical Sc Thiruvananthapuram, India	, and the second
09:40-09:55	OL	Fabrication and Development of Smart Po Low Density Bulk Moulding Compound for Amol Tarachand Naikwadi <i>Uno Minda Ltd, Pune, India</i>	
09:55-10:10	OL	Introduction to Team Wiley and Wiley Jour Subhabrata Mukhopadhyay <i>Wiley, India</i>	rnals
10:10-10:25	OL	Patterned bacterial cellulose patches for management Arif Khan Indian institute of technology, Hyderabad,	-

Session 22: I	Miscellan	eous Applications	
		IIT Mandi, India & Varanasi, India	Venue: Tulsi Hall
Time	Lecture	Title/Author	
09:00-09:20	IL	Mechanically robust, Stretchable and Adhesive A Hydrogel Materials for multifunctional application Rajat Kumar Das Indian Institute of Technology, Kharagpur, India	
09:20-09:40	IL	Modeling Polymers for Sustainable Energy Gene Mechanical and Density Functional Theory Appr Anant D. Kulkarni Somaiya Vidyavihar University, Mumbai, India	
09:40-09:55	OL	Effect of polyolefin elastomer (POE) variants on shrinkable, electrical and morphological properti Rohini Agarwal Bhabha Atomic Research Centre, Mumbai, India	ies of LLDPE-POE blends
09:55-10:10	OL	Visible-Light-Mediated and Chlorophyll Catalyse Thiols Neetu Kumari <i>Mohanlal Sukhadia University, Udaipur, India</i>	ed Ultrafast Oxidation of
10:10-10:25	OL	Self-stratified Multifunctional Hybrid Coating wit Superior Adhesion Strength and Hardness Debaprasad Mandal <i>Indian Institute of Technology Ropar, Punjab, Inc</i>	· ·

Tea Break | 10:25 -10:40



Session 23: F	olymers f	or High technology	
		CUSB, Gaya, India & Roorkee, Saharanpur, India	Venue: Gulmohar Hall
Time	Lecture	Title/Author	
10:40 -11:00	IL	Study of Rheological and Thermo-dynam Phosphorylated Phthalonitrile Resin matr Applications Jeetendra Kumar Banshiwal DMSRDE, Kanpur, India	
11:00 -11:20	IL	Value Addition of Agro-waste Derived Fur Sustainable Food Application Tabli Ghosh <i>Tezpur University, Sonitpur, India</i>	nctionalized Biopolymers for
11:20-11:35	OL	Propane-1,3-bis(hexadecyldimethylamm based novel hybrid material for the elimin Ajmal Koya Pulikkal National Institute of Technology Mizoram	nation of textile dyes
11:35-11:50	OL	Study on Effects of the Multifunctional TR Performance of Wireless Charging System Ikhlas Chandkoti Uno Minda Ltd, Pune, India	
11:50-12:05	OL	Effect of regenerated cellulose derived fro functional properties of poly vinyl alcohol Pradeepa K. G. Sri Jayachamarajendra College of Engine Technology University, Mysore, India	based biocomposites
12:05-12:20	OL	Design and Fabrication of Polymeric Sub Optoelectronic Devices Uday Shankar <i>Indian Institute of Technology (BHU), Var.</i>	

Session 24: N	Session 24: Miscellaneous Applications			
	Chairs: Anil Kumar Satapathy, Finolex Industries Limited, Ratnagiri, India & Venue: Tulsi Hall Dinesh Yadav, MLSU, Udaipur, India			
Time	Lecture	Title/Author		
10:40-11:00	IL	The curing kinetics of novel phthalonitrile resin system by model-based and iso-conversional kinetic model Ajit Shankar Singh <i>DMSRDE (DRDO), Kanpur, India</i>		
11:00-11:20	IL	Highly versatile electrospun nanofibers for piezoelectric, pyroelectric and photocatalytic applications Jaspreet Kaur Randhawa Indian Institute of Technology, Mandi, India		
11:20-11:35	OL	Effect of addition of PLA as tolerant on the thermomechanical and compostability behaviour of PBAT/TPS Blend Rahul Dubey Ravenshaw University, Cuttack, Odisha, Cuttack, India		



11:35-11:50	OL	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, India
11:50-12:05	OL	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, India

Valedictory Session (Ashoka Hall) 12:00-13:30
Conference Address
Bhuvanesh Gupta, Conference Chair
Vision Address
Anup K Ghosh, Conference Co-Chair
Guest of Honor address
Deepak Pathania, HSCA President
Guest of Honor Address
Mayank Dwivedi, Director, DMSRDE, Kanpur
Chief Guest Address
Günther G Scherer, PSI, Villigen, Switzerland
Award ceremony
Oral/ Poster/Wisdom awards
Vote of Thanks
Susheel Kalia, Conference Secretary

Lunch | 13:30 -14:30 14:30 - CONFERENCE ENDS