

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
17	Rubber, elastomers and thermosets	Poster	<i>A Vitrimer-Integrated Circular TPV from Biobased EPDM and Recycled Polypropylene</i>	<b>Aziz B.</b>	Indian Institute of Technology Kharagpur	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2
18	Rubber, elastomers and thermosets	Poster	<i>New Sustainable Crosslinking System for Fluoroelastomers</i>	<b>Banerjee S.</b>	Indian Institute of Technology Kharagpur	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2
21	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Sustainable, Bio-degradable Antiozonant for Elastomers: Balancing Ozone Protection with Reduced Microplastic Persistence</i>	<b>Das R.</b>	Indian Institute of Technology Kharagpur, Rubber Technology Centre	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2
30	Injection molding, micromolding and molds	Poster	<i>High-precision AI dimensional prediction model technology</i>	<b>Huang M.</b>	National Kaohsiung University of Science and Technology	Taiwan	Poster Session 1 / Monday, June 1 - Tuesday, June 2
33	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Vitrimer-Enabled Circularity: Upcycling Mixed Polyolefin Waste from Milk Packets into High-Value 3D Printing Feedstock</i>	<b>Dey I.</b>	Indian Institute of Science (IISc) Bangalore	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2
36	Composites, Blends and Alloys	Poster	<i>Formulation of extrudable composite electrolytes based on polymer and lithium argyrodite</i>	<b>Vergeat A.</b>	Laboratoire IMP, UMR 5223	France	Poster Session 1 / Monday, June 1 - Tuesday, June 2
37	Rheology and characterization	Poster	<i>Development of Surface-Functionalized Polymers and Derivatives (SFPDs) for Enhanced Oil Recovery in Non-Producing Reservoirs</i>	<b>Tyagi A.</b>	Ajmer	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2
39	Nanotechnology and Nanocomposites	Poster	<i>Study of the Influence of the Supercritical CO<sub>2</sub> Expansion Process on the Dispersion of Organophilic Clays in PBAT Nanocomposites</i>	<b>Morales A.</b>	Universidade Estadual de Campinas (UNICAMP)	Brazil	Poster Session 1 / Monday, June 1 - Tuesday, June 2
42	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Efficient conversion of fruit and starch wastes into Polyhydroxybutyrate biopolymer</i>	<b>Hidalgo W.</b>	Universidad Industrial de Santander	Colombia	Poster Session 1 / Monday, June 1 - Tuesday, June 2
47	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Recycling and purification of polymer materials from food packaging by supercritical fluid-assisted extrusion</i>	<b>Razes N.</b>	Université Jean Monnet Saint-Étienne, CNRS, Laboratoire Ingénierie des Matériaux Polymères UMR 5223, F-42023	France	Poster Session 1 / Monday, June 1 - Tuesday, June 2
48	Rheology and characterization	Poster	<i>Development of Causal Models Describing the Processing-Dependent Biocompatibility and Material Properties of Thermoplastic Polyurethanes</i>	<b>Voll J.</b>	University of Applied Sciences Schmalkalden	Germany	Poster Session 1 / Monday, June 1 - Tuesday, June 2
54	Modeling and simulation	Poster	<i>Influence of Epoxy Remnants and Crosslinking Pathways on the Thermo-Mechanical Properties of Amine-Cured Epoxy Networks: A Molecular Dynamics Study</i>	<b>Jeong S.</b>	Dong-Eui University	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
60	Nanotechnology and Nanocomposites	Poster	<i>High-Performance Thermoelectric MXene (Ti3C2Tx)/SWCNT Composites</i>	<b>Srivastava P.</b>	Indian Institute of Technology Jammu	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2
67	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Reactive extrusion for the purification of recycled PET for food contact applications.</i>	<b>Berthé V.</b>	Luxembourg Institute of Science and Technology (LIST)	Luxembourg	Poster Session 1 / Monday, June 1 - Tuesday, June 2

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73	Injection molding, micromolding and molds	Poster	<i>Transfer learning models to increase the usefulness of simulation data in plastic injection molding. Topic area: Component quality</i>	Werner M.	University of Applied Schmalkalden Sciences	Germany	Poster Session 1 / Monday, June 1 - Tuesday, June 2
77	Additive Manufacturing of Polymers	Poster	<i>Structure-Property Relationships Induced by Processing in 3D-Printed PBSA Membranes and Their Influence on Permeation Performance</i>	Tazrout L.	Univ Rouen Normandie, INSA Rouen Normandie, CNRS, Normandie Univ, PBS UMR 6270	France	Poster Session 1 / Monday, June 1 - Tuesday, June 2
82	Nanotechnology and Nanocomposites	Poster	<i>PLA/PHBV/sepiolite nanocomposites with thyme essential oil for antimicrobial packaging</i>	Marini J.	PPGCEM/UFSCar	Brazil	Poster Session 1 / Monday, June 1 - Tuesday, June 2
85	Additive Manufacturing of Polymers	Poster	<i>Processing And Characterization Of ASA-Based Filaments Reinforced With Recycled Carbon Fibers From CF/PEEK Composites</i>	Passador F.	Federal University of São Paulo	Brazil	Poster Session 1 / Monday, June 1 - Tuesday, June 2
88	Biomedical applications	Poster	<i>Soluplus®-Based Therapeutic Formulations for Leishmaniasis Therapy</i>	Guembe-Michel N.	Department of Chemistry, Universidad de Navarra	Spain	Poster Session 1 / Monday, June 1 - Tuesday, June 2
93	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Thermal behaviors of different starches with various plasticizers</i>	Liu Q.	Guelph Research and Development Centre, Agriculture and Agri-Food Canada	Canada	Poster Session 1 / Monday, June 1 - Tuesday, June 2
95	Composites, Blends and Alloys	Poster	<i>Effect Of Magnesium Hydroxide Doping In Chitosan Membranes For Direct Ammonia Fuel Cells</i>	Lue S.	Chang Gung University	Taiwan	Poster Session 1 / Monday, June 1 - Tuesday, June 2
106	Rubber, elastomers and thermosets	Poster	<i>Next-Gen Elastomeric Pad Development: A Step Towards Enhanced Safety and Efficiency in Heavy Haul Freight Wagons</i>	De R.	Indian Institute of Kharagpur, Rubber Technology Centre	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2
110	Morphology and structural development	Poster	<i>Investigating Irradiation-Induced Structural Evolution and Reaction Mechanisms in Bio-Based Green Pebax</i>	Lu C.	The Hong Kong University of Science and Technology	China	Poster Session 1 / Monday, June 1 - Tuesday, June 2
111	Solid state processing and properties	Poster	<i>Rapid Screening of Polymer-Drug Compounds via the MeltPrep Slider and Vacuum Compression Molding (VCM)</i>	Kerschbaumer L.	MeltPrep GmbH	Austria	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
113	Additive Manufacturing of Polymers	Poster	<i>Properties of hyperbranched polyurethane acrylate with monofunctional acrylate-based 3D-printed denture bases</i>	Cheng K.	Department of Chemical Engineering and Biotechnology, National Taipei University of Technology	Taiwan	Poster Session 1 / Monday, June 1 - Tuesday, June 2
115	Foams and Membranes	Poster	<i>High-Performance Nanohybrid Polyamide Membrane for Reverse Osmosis Desalination</i>	Zhu S.	King Fahd University of Petroleum and Minerals	Saudi Arabia	Poster Session 1 / Monday, June 1 - Tuesday, June 2
125	Fibers and Films	Poster	<i>Two-Stage Machine Learning Framework for Predicting Subtle Color Variations in Dope-Dyed Recycled PET/PCT Microfibers</i>	Lee S.	Ulsan National Institute of Science and Technology	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
127	Fibers and Films	Poster	<i>Electrospun PCL-PHB Nanofibre Mats from Green and Halogenated Solvents: Solvent-Process-Structure-Property Relationships for Soft Packaging</i>	Salehiyan R.	Edinburgh Napier University	United Kingdom	Poster Session 1 / Monday, June 1 - Tuesday, June 2

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
133	Composites, Blends and Alloys	Poster	<i>Biocarbons from Sustainable Resources and their Advanced Polymer Composite Materials: A Move for Net Zero Transition.</i>	Misra M.	University of GUELPH	Canada	Poster Session 1 / Monday, June 1 - Tuesday, June 2
134	Rubber, elastomers and thermosets	Poster	<i>Microwave Curing of 3D Printed Thermoset Elastomers/Rubbers</i>	Dobbyn H.	University of Massachusetts Lowell	United States	Poster Session 1 / Monday, June 1 - Tuesday, June 2
136	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Paint Removal from Car Bumpers for Sustainable Recycling by Laser</i>	Seo W.	Department of Materials Engineering and Convergence Technology, RIGET, Gyeongsang National University 501, Jinju-daero	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
138	Nanotechnology and Nanocomposites	Poster	<i>Interfacial Engineering of PVDF-based Nanocomposites through for Enhanced Dielectric Performance in Energy Storage Applications</i>	Morshedi Dehaghi F.	University of Calgary	Canada	Poster Session 1 / Monday, June 1 - Tuesday, June 2
139	Composites, Blends and Alloys	Poster	<i>Effect of polyvinylpyrrolidone addition on structure and properties of polar polymers</i>	Ikemoto Y.	Nippon Shokubai Co., Ltd.	Japan	Poster Session 1 / Monday, June 1 - Tuesday, June 2
140	Additive Manufacturing of Polymers	Poster	<i>Dynamic Impact Response of Additively Manufactured Structures with Biomimetic Architectures</i>	Lyu M.	Seoul National Univ of Science & Technology	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
148	Composites, Blends and Alloys	Poster	<i>Development of multifunctional sandwich composites for improved thermal management and mechanical performance</i>	Simonini L.	University of Trento	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
154	Biomedical applications	Poster	<i>Fabrication and Characterization of PEEK/PEI-Hydroxyapatite Blends for Next-Generation 3D Printed Medical Devices</i>	McCrickard C.	Ulster University	United Kingdom	Poster Session 1 / Monday, June 1 - Tuesday, June 2
159	Solid state processing and properties	Poster	<i>Enhancing the sustainability of thermal insulation materials through the mechanical reprocessing of polyurethane and phenolic foams.</i>	Sorze A.	University of Trento	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
164	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Biobased and biodegradable PLA-based aliphatic polyesters for sustainable food packaging</i>	Bikiaris N.	Aristotle University of Thessaloniki	Greece	Poster Session 1 / Monday, June 1 - Tuesday, June 2
169	Additive Manufacturing of Polymers	Poster	<i>Simulation of temperature induced crystallization in FDM process using a numerical software.</i>	Khalil C.	National School of Applied Sciences, Chouaib Doukkali University	Morocco	Poster Session 1 / Monday, June 1 - Tuesday, June 2
181	Modeling and simulation	Poster	<i>From Numerical Framework to Industrial Application: Software Implementation of Predictive Co-Extrusion Modeling with Automated Parameter Optimization</i>	Naderer T.	Institute of Polymer Processing and Digital Transformation, Johannes Kepler University Linz	Austria	Poster Session 1 / Monday, June 1 - Tuesday, June 2
182	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Performance Tuning and Toughening Regeneration of Waste HDPE through Controllable Micro-Crosslinking Modification with Peroxides</i>	Dong L.	Sichuan University, State Key Laboratory of Advanced Polymer Materials, Polymer Research Institute	China	Poster Session 1 / Monday, June 1 - Tuesday, June 2
185	Extrusion, Mixing and Compounding	Poster	<i>Enhancing Electroless Ni Plating Adhesion on recycled PC/ABS via Particle-Size Control of Polybutadiene Latex Using a BA-g-MAA Coagulant</i>	Park M.	Department of Chemistry and Chemical Engineering, Education and Research Center for Smart Energy and Materials, Inha University	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2

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193	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Optimization of Nanofiltration Parameters for Iron(III) Ions Removal from Aqueous Solutions Using Cellulose Mixed-Matrix Membranes</i>	Wardejn S.	Department of Physical Chemistry and Technology of Polymers, Faculty of Chemistry, Silesian University of Technology, ul. ks. M. Strzody 9	Poland	Poster Session 1 / Monday, June 1 - Tuesday, June 2
198	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Thermal Degradation Effects on GTR-Based Elastomeric Rubber Reinforced with SiO2 Particles</i>	Colom X.	ESEIAAT-BarcelonaTECH	Spain	Poster Session 1 / Monday, June 1 - Tuesday, June 2
199	Biomedical applications	Poster	<i>Novel Nanoemulsions based on Non-isocyanate Polyurethane (NIPU) Sponges for Sustained Drug Delivery in Topical Wound Delivery of chloramphenicol</i>	Balla E.	Aristotle University of Thessaloniki	Greece	Poster Session 1 / Monday, June 1 - Tuesday, June 2
200	Additive Manufacturing of Polymers	Poster	<i>Sustainable Conductive Acrylic Resins for DLP 3D Printing: From Pyrolysis to Printability</i>	Quintero Rodríguez C.	Universidade da Coruña, Campus de Industrial de Ferrol, CITENI, Grupo de Polímeros, Campus de Ferrol 15403	Spain	Poster Session 1 / Monday, June 1 - Tuesday, June 2
204	Rubber, elastomers and thermosets	Poster	<i>Effects and Mechanism of Ozone-induced Degradation of Magnetorheological Elastomers based on Natural Rubber</i>	Antoniou C.	Department of Production Engineering, Faculty of Technology, Tomas Bata University in Zlín	Czechia	Poster Session 1 / Monday, June 1 - Tuesday, June 2
205	Additive Manufacturing of Polymers	Poster	<i>Comparative assessment of contaminant adsorption capacity in water using 3D- printed PLA, PVDF, and PVDF/CNT membranes coated with polyaniline</i>	Combarro Souto B.	Universidade da Coruña, Campus Industrial de Ferrol, CITENI, Grupo de Polímeros	Spain	Poster Session 1 / Monday, June 1 - Tuesday, June 2
209	Fibers and Films	Poster	<i>Design of polyurethane based electrospun membranes modified with transition metal oxides for protective clothing applications</i>	Viscusi G.	Department of Industrial Engineering- University of Salerno	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
210	Additive Manufacturing of Polymers	Poster	<i>Evaluation Of The Biodegradation Of Composite Filaments Intended For The Production Of Filter Membranes Via Additive Manufacturing</i>	Barbosa R.	Universidade Federal do Piauí	Brazil	Poster Session 1 / Monday, June 1 - Tuesday, June 2
211	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Mechanical Recycling of Biodegradable Bio-based Pipes through the Development of Monopolymer Blends</i>	La Mantia F.	Department of Engineering, University of Palermo	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
213	Foams and Membranes	Poster	<i>Graphene Based Piezoresistive Sensors with Tunable Density and Electrical Conductivity via Foam Compression Molding of Expandable Microspheres</i>	Aghvami Panah M.	University of Massachusetts Lowell	United States	Poster Session 1 / Monday, June 1 - Tuesday, June 2
214	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Processing, Structure, and Biodegradation of a Sustainable Matrix for Enhanced Efficiency Fertilizers.</i>	dos Santos R.	University of São Paulo	Brazil	Poster Session 1 / Monday, June 1 - Tuesday, June 2
215	Additive Manufacturing of Polymers	Poster	<i>Effect of 3D Printing Temperature on the Wear of PLA Gears for Enhanced Durability</i>	Aboutaleb O.	ENSAM Meknès	Morocco	Poster Session 1 / Monday, June 1 - Tuesday, June 2
216	Fibers and Films	Poster	<i>Development and Characterization of Biodegradable Poly(<math>\epsilon</math>-caprolactone) Films Incorporated with Natural Compounds for Agricultural Mulching Applications</i>	Hecker de Carvalho L.	UFCG	Brazil	Poster Session 1 / Monday, June 1 - Tuesday, June 2

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220	Biomedical applications	Poster	<i>Overcoming the Cold Chain: A Metal-Polyphenol Nanoshell for Heat-Stable Vaccines</i>	Lin Y.	Changchun Institute of Applied Chemistry	China	Poster Session 1 / Monday, June 1 - Tuesday, June 2
225	Rubber, elastomers and thermosets	Poster	<i>Improved recyclability of elastomers through the use of lignin as dynamic crosslinking agent</i>	Schwaller D.	Ingénierie des Matériaux Polymères, CNRS UMR 5223	France	Poster Session 1 / Monday, June 1 - Tuesday, June 2
226	Injection molding, micromolding and molds	Poster	<i>Effects of through-holes and processing conditions on warpage of injection-molded microfluidic chips</i>	Lee B.	Chonnam National University	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
231	Modeling and simulation	Poster	<i>The Effects of Pressure Dependence of Viscosity on Numerical Warpage Predictions</i>	van 't Veld J.	Windesheim University of Applied Sciences	Netherlands	Poster Session 1 / Monday, June 1 - Tuesday, June 2
238	Biomedical applications	Poster	<i>Development of polymeric binary fibers of PCL, PLA and PVP by solution blow spinning for tunable chlorhexidine release</i>	Rosas O.	Department of Chemistry, Faculty of Science, University of Navarra	Spain	Poster Session 1 / Monday, June 1 - Tuesday, June 2
239	Additive Manufacturing of Polymers	Poster	<i>Additive Manufacturing of Functional Dielectric Elastomer Actuators Without Post-Processing via Multi-Material Extrusion</i>	Beier P.	Montanuniversität	Austria	Poster Session 1 / Monday, June 1 - Tuesday, June 2
241	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Manufacturing highly filled wood polymer composites (WPC) as an opportunity to create a new generation of scaffolds for hybrid living materials (HLMs)</i>	Barczewski M.	Poznan University of Technology	Poland	Poster Session 1 / Monday, June 1 - Tuesday, June 2
244	Morphology and structural development	Poster	<i>Directed Assembly of Large-sized Gold Nanoparticles by Block Copolymers: Fabrication and Photothermal Properties</i>	Huang H.	Changchun Institute of Applied Chemistry, Chinese Academy of Sciences	China	Poster Session 1 / Monday, June 1 - Tuesday, June 2
250	Foams and Membranes	Poster	<i>The effect of plasticisers and pre-treatment on the oxygen permeation through poly(hydroxybutyrate-co-hydroxyvalerate) (PHBV)</i>	Xiao X.	Institute for Materials and Processes, University of Edinburgh	United Kingdom	Poster Session 1 / Monday, June 1 - Tuesday, June 2
252	Smart polymers and special applications	Poster	<i>Amphiphilic imidazole-functionalized polyoxazoline terpolymers as thermal latent curing agents for one-component epoxy resins.</i>	Amanvermez B.	Sabancı University	Turkey	Poster Session 1 / Monday, June 1 - Tuesday, June 2
258	Nanotechnology and Nanocomposites	Poster	<i>3D-Printable Hybrid Nanocomposite Scintillators for High-Energy Radiation Detection</i>	Godi D.	Dipartimento di Ingegneria dell'Innovazione, Università del Salento, Via per Monteroni – 73100	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
260	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Assessment of slow nutrient release and biodegradation in biopolymer-based fertilizers</i>	Bianchi S.	Universidade de São Paulo	Brazil	Poster Session 1 / Monday, June 1 - Tuesday, June 2
262	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>The management of multilayer foil waste and lignocellulosic fillers in the Injection Molding Technology of Polymer Composites</i>	Andrzejewski J.	Poznan University of Technology	Poland	Poster Session 1 / Monday, June 1 - Tuesday, June 2
266	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Assessing the effects of PLA during melt processing of mechanically recycled PET</i>	Sohrabi A.	Circular Plastics, Department of Circular Chemical Engineering, Faculty of Science and Engineering, Maastricht University	Netherlands	Poster Session 1 / Monday, June 1 - Tuesday, June 2

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273	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Development Of Eco-Friendly Biodegradable, Reusable, Recyclable And Cost-Effective Temporary Caps For Laid Pipes Using Beeswax, Starch, Jute Fibre And Steel Mesh</i>	<b>Chelliah D.</b>	L&T construction Research and Testing Centre	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2
276	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>On the road again: Advancing tyre-to-tyre recycling through devulcanisation using a twin-screw extruder</i>	<b>Manhart P.</b>	Transfercenter für Kunststofftechnik GmbH	Austria	Poster Session 1 / Monday, June 1 - Tuesday, June 2
277	Machine Learning in Polymer Processing	Poster	<i>Machine Learning–Driven Prediction of Polypropylene Alloy Properties: A Bayesian Network–XGBoost Framework Robust to Missing Data</i>	<b>Yao Z.</b>	Zhejiang University	China	Poster Session 1 / Monday, June 1 - Tuesday, June 2
282	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>A novel experimental approach for the inline detection of residual volatile emissions during the extrusion of post-consumer recyclates</i>	<b>Horner R.</b>	Competence Center CHASE GmbH	Austria	Poster Session 1 / Monday, June 1 - Tuesday, June 2
287	Nanotechnology and Nanocomposites		<i>Using Graphene Nanoplatelets and Carbon Fibers hybrids for Enhanced Interfacial Adhesion in Thermoplastic Composites</i>	<b>Naguib H.</b>	University of Toronto	Canada	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
290	Composites, Blends and Alloys	Poster	<i>Processing and dispersion of TMSPMA modified micro- and nano-BN nanosheets in liquid thermoplastic PMMA matrix composites for enhanced thermal conductivity</i>	<b>Bleija M.</b>	Riga Technical University	Latvia	Poster Session 1 / Monday, June 1 - Tuesday, June 2
299	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Avaliação do desempenho e do impacto ambiental de filamentos de HDPE reciclados para manufatura aditiva.</i>	<b>Regina Mulinari D.</b>	UERJ	Brazil	Poster Session 1 / Monday, June 1 - Tuesday, June 2
302	Modeling and simulation	Poster	<i>Investigation on possible weight reduction of extrusion dies with simulation of fluid-structure-interaction</i>	<b>Hüpper H.</b>	Institute for Plastics Processing (IKV)	Germany	Poster Session 1 / Monday, June 1 - Tuesday, June 2
304	Rubber, elastomers and thermosets	Poster	<i>Synthesis and characterization of betulin diolate triepoxide and epoxidized rapeseed oil coatings</i>	<b>Buss R.</b>	Riga Technical university	Latvia	Poster Session 1 / Monday, June 1 - Tuesday, June 2
308	Injection molding, micromolding and molds	Poster	<i>Shrinkage Development of iPP during the Injection Molding Process</i>	<b>Volpe V.</b>	University of Salerno	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
309	Injection molding, micromolding and molds	Poster	<i>Natural Fiber Reinforced Polymer Composites In The Automotive Industry</i>	<b>Salomone R.</b>	University of Salerno	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
310	Injection molding, micromolding and molds	Poster	<i>Effects Of An External Magnetic Field On Ferromagnetic Biocomposites Obtained By Foam Injection Molding</i>	<b>Volpe V.</b>	University of Salerno	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
311	Composites, Blends and Alloys	Poster	<i>Preparation And Characterization Of Composites Made Of Bio-PP And Hemp Fibers</i>	<b>Sessa D.</b>	University of Salerno	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
317	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Fabrication of Leaf Based Alternative Leather Insole: A Sustainable Approach</i>	<b>Zandraa O.</b>	Centre of Polymer Systems, University Institute, Tomas Bata University in Zlin	Czechia	Poster Session 1 / Monday, June 1 - Tuesday, June 2

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321	Fibers and Films	Poster	<i>Thermal Degradation Behaviour of Regenerated Cellulose Fibres under Polymer Processing Conditions</i>	Wiedl S.	University of Applied Science Rosenheim	Germany	Poster Session 1 / Monday, June 1 - Tuesday, June 2
326	Extrusion, Mixing and Compounding	Poster	<i>Plasma enhanced Melt-compounding: cold atmospheric pressure plasma as a tool to achieve bulk modification in the molten polymer state</i>	Riemer M.	Technical University of Ilmenau	Germany	Poster Session 1 / Monday, June 1 - Tuesday, June 2
328	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>From Cellulose and Hemicellulose Sugars to HMF: Microwave-Assisted Batch and Extruder Processes for Sustainable Polymers</i>	Krey A.	TH Rosenheim	Germany	Poster Session 1 / Monday, June 1 - Tuesday, June 2
333	Biomedical applications	Poster	<i>Advanced Injection Molding Methodologies for Enhanced Process Development and Optimization of Medical-Grade UHMWPE Orthopedic Implants</i>	Sablaniya D.	Indian Institute of Science (IISc), Bangalore	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2
335	Morphology and structural development	Poster	<i>Macadamia biochar functionalized with acid for methyl orange adsorption</i>	Santos A.	UERJ - FAT	Brazil	Poster Session 1 / Monday, June 1 - Tuesday, June 2
337	Machine Learning in Polymer Processing	Poster	<i>Processing-Informed ML to Classify PFAS Removability on Polymeric Adsorbents</i>	McReynolds B.	The University of Akron	United States	Poster Session 1 / Monday, June 1 - Tuesday, June 2
339	Morphology and structural development	Poster	<i>Influence of Plasma Treatment on Fibrillation and Mechanical Properties of LDPE/PA6 Microfibrillar Composites</i>	Gray N.	University of Auckland	New Zealand	Poster Session 1 / Monday, June 1 - Tuesday, June 2
340	Extrusion, Mixing and Compounding	Poster	<i>Extrusion of Gelatin and Thermoplastic Whey Protein Isolate (WPIT) Blends</i>	Cosate de Andrade M.	University of Campinas	Brazil	Poster Session 1 / Monday, June 1 - Tuesday, June 2
350	Foams and Membranes	Poster	<i>Porous Polymer–Ceramic Composites for Reducing Power Consumption in Next-Generation Communication Systems</i>	Ata S.	National Institute of Advanced Industrial Science and Technology	Japan	Poster Session 1 / Monday, June 1 - Tuesday, June 2
351	Additive Manufacturing of Polymers	Poster	<i>Influence of Droplet Coalescence Dynamics on Conductive Pathway Formation in CNT/TPU Composites Printed by the Arburg Freeformer</i>	Eò Bouali M.	École de technologie supérieure	Canada	Poster Session 1 / Monday, June 1 - Tuesday, June 2
353	Fibers and Films	Poster	<i>Study on Splitting and Filtration Properties of Split-Type Spunbond Nonwoven Fabrics</i>	Kim D.	Korea Institute of Industrial Technology(KITECH)	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
355	Morphology and structural development	Poster	<i>2D-WAXD Analysis of the Structural Development of PP/HMW-PET Sheath-Core Type Bicomponent Fibers in High-Speed Melt Spinning</i>	Kim S.	Korea Institute of Industrial Technology (KITECH)	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
356	Fibers and Films	Poster	<i>High-speed Melt-Spinning of TLCP/PA6 Island-in-the-sea Bicomponent Fibers: Fabrication and Structure Analysis of Ultrafine TLCP Fibers</i>	Lee K.	Korea Institute of Industrial Technology (KITECH)	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
357	Rubber, elastomers and thermosets	Poster	<i>Preparation and Physical Properties of Polyurethane-DES Composite films</i>	Murakami H.	Nagasaki University	Japan	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
359	Surfaces and Interfaces	Poster	<i>PU-PSZ Hybrid Coatings for Cellulose Substrate: A Robust, Flame-Retardant, Mechanochemically Recyclable Platform for Circular Polymer Processing</i>	<b>Chatterjee A.</b>	Indian Institute of Technology Roorkee, Saharanpur Campus, Department of Polymer and Process Engineering	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2
362	Special Session: Advances in Polymer Processing and Digital Manufacturing for Prosthetic Devices	Poster	<i>An Efficient Approach to Building a Remote Mold Monitoring System toward Digital Transformation (DX)</i>	<b>Abe Y.</b>	Graduate School of engineering, Saitama Institute of Technology	Japan	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
371	Nanotechnology and Nanocomposites	Poster	<i>Multifunctional PVMDMS@PVP/ZIF67-Derived Co-C MXene Aerogels with Lightweight, Thermal-Insulating, and Electromagnetic Shielding Properties</i>	<b>Lee S.</b>	Inha University	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
376	Additive Manufacturing of Polymers	Poster	<i>Resin Reuse in Volumetric Additive Manufacturing (VAM): Quantifying Photoinitiator Depletion and Its Impact on Polymerization Kinetics</i>	<b>Hedayati S.</b>	Department of Civil and Mechanical Engineering, Technical University of Denmark	Denmark	Poster Session 1 / Monday, June 1 - Tuesday, June 2
379	Nanotechnology and Nanocomposites	Poster	<i>A Mechanism-Driven Hybrid Filler Strategy: 0D/1D Alumina-Coated Silica Network for Enhanced Thermal Conduction in Epoxy Composites</i>	<b>Park M.</b>	Inha University	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
382	Composites, Blends and Alloys	Poster	<i>Impact of Lignin Functionalization on the Structural, and Thermal Performance of HDPE Composites</i>	<b>Bikiaris D.</b>	Aristotle University of Thessaloniki	Greece	Poster Session 1 / Monday, June 1 - Tuesday, June 2
386	Modeling and simulation	Poster	<i>Numerical Evaluation of the Effective Thermal Conductivity of Closed-Cell Polymeric Foams Using the Moving Least-Squares Aided Finite Element Method</i>	<b>Mostafaiyan M.</b>	Leibniz-Institut für Polymerforschung Dresden e. V.	Germany	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
388	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Recyclable Thermoset Polyurethane Foams Enabled by Dynamic Cross-linked Networks for Efficient Energy Absorption</i>	<b>Guo Y.</b>	The Hong Kong University of Science and Technology (Guangzhou)	China	Poster Session 1 / Monday, June 1 - Tuesday, June 2
391	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Influence of multiphasic nature on the generation of microplastics from PP-based blends and nanocomposites</i>	<b>Morreale M.</b>	Dipartimento di Ingegneria e Architettura, Università di Enna "Kore"	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
395	Surfaces and Interfaces	Poster	<i>Molecular Mobility-Dependent Mechanism of Surface Modification in Cycloolefin Polymer Induced by Vacuum Ultraviolet Irradiation</i>	<b>Arimoto T.</b>	USHIO Inc.	Japan	Poster Session 1 / Monday, June 1 - Tuesday, June 2
402	Rubber, elastomers and thermosets	Poster	<i>Numerical and experimental analysis of a parallel counter rotating twin screw extruder for elastomers</i>	<b>Buscarnera V.</b>	Department of Applied Science and Technology, Polytechnic of Turin	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
403	Rubber, elastomers and thermosets	Poster	<i>Viscoelastic and Relaxation Behavior of Partial Vitrimers with Static and Dynamic Hybrid Covalent Crosslinks</i>	<b>Xu G.</b>	The Hong Kong University of Science and Technology (Guangzhou)	China	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
404	Surfaces and Interfaces	Poster	<i>Bio-based Superaerophobic Hydrogels to Regulate Bubble Dynamics in Gas-Evolving Electrocatalysis</i>	<b>Sen S.</b>	Department of Polymer and Process Engineering, Indian Institute of Technology Roorkee, Saharanpur Campus	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
405	Modeling and simulation	Poster	<i>Different Applications of the Moving Least-Squares–Aided Finite Element Method (MLS-FEM) in Simulating Multi-Phase Polymeric Flow Fields</i>	<b>Mostafaiyan M.</b>	Leibniz-Institut für Polymerforschung Dresden e. V.	Germany	Poster Session 1 / Monday, June 1 - Tuesday, June 2
406	Nanotechnology and Nanocomposites	Poster	<i>Enhancing Structural Stability in CO<sub>2</sub> Cycloaddition: Hierarchical MOF–808@Aerogel Composites with Tunable –OH Groups</i>	<b>Lee C.</b>	Inha University	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
407	Extrusion, Mixing and Compounding	Poster	<i>Characterization of compositional variation in PP-based materials by NIR spectroscopy</i>	<b>Hikima Y.</b>	National Institute of Advanced Industrial Science and Technology (AIST)	Japan	Poster Session 1 / Monday, June 1 - Tuesday, June 2
416	Smart polymers and special applications	Poster	<i>Tunable Crosslinking Densities Unlock High-Performance in Polyelectrolyte-Based Piezoionic Elastomer for Accurate Pressure Mapping and Energy Harvesting</i>	<b>Li C.</b>	Advanced Materials Thrust, The Hong Kong University of Science and Technology (Guangzhou)	China	Poster Session 1 / Monday, June 1 - Tuesday, June 2
418	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>High-Performance Sandwich Biocomposite Membranes based on Waste Wool Fibers for Air Filtration Applications</i>	<b>Scaffaro R.</b>	University of Palermo	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
428	Composites, Blends and Alloys	Poster	<i>Effect of Addition of PP-g-MA on the Mechanical Properties of Cellulose Powder Filled Plant-derived Polyamide 1010 Biomass Composites</i>	<b>Ishida K.</b>	Kogakuin University	Japan	Poster Session 1 / Monday, June 1 - Tuesday, June 2
429	Composites, Blends and Alloys	Poster	<i>Influence of Screw Configuration in Twin-Screw Extruder on the Tribological Properties of Ramie Fiber Reinforced Plant-Derived Polyamide 1010 biomass Composites</i>	<b>Morino M.</b>	Kogakuin University	Japan	Poster Session 1 / Monday, June 1 - Tuesday, June 2
438	Composites, Blends and Alloys	Poster	<i>Development of a robust extrusion process for highly conductive PPS-Based sheets used in HT-PEM fuel cells</i>	<b>Perrakis A.</b>	Zentrum für BrennstoffzellenTechnik (ZBT)	Germany	Poster Session 1 / Monday, June 1 - Tuesday, June 2
442	Rheology and characterization	Poster	<i>Assessing Time–Concentration Superposition Approaches in Polyolefin–Alkane Mixtures</i>	<b>Viehböck E.</b>	Competence Center CHASE GmbH	Austria	Poster Session 1 / Monday, June 1 - Tuesday, June 2
443	Rheology and characterization	Poster	<i>Strain Hardening Behaviour and Melt Strength of Biodegradable polymers for foaming Applications</i>	<b>Orisaya-Taiwo S.</b>	University of Salerno	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
450	Fibers and Films	Poster	<i>Effect of thickness and production process on Hydrogen permeation in semicrystalline polymer films</i>	<b>Giacinti Baschetti M.</b>	Department of Civil, Chemical, Environmental and Material Engineering, (DICAM), Alma Mater Studiorum – Università di Bologna	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
452	Rubber, elastomers and thermosets	Poster	<i>Reprocessing, Repairability and 3D Printing of Rapeseed Oil-based Vitrimers</i>	<b>Greivule S.</b>	Institute of Chemistry and Chemical Technology	Latvia	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
460	Foams and Membranes	Poster	<i>Hybrid Reinforcement of Copolymer Propylene with Graphene and Glass Fibre: A Pathway to Enhanced Stiffness for Packaging Applications.</i>	<b>Park C.</b>	University of Toronto	Canada	Poster Session 1 / Monday, June 1 - Tuesday, June 2
461	Rubber, elastomers and thermosets	Poster	<i>Elastocaloric performance of Natural Rubber. The role of nanoclay addition.</i>	<b>Bianchi M.</b>	Department of Industrial Engineering, University of Trento	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3

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463	Modeling and simulation	Poster	<i>Dynamical performance bound prediction of injection molded parts using a multi-objective optimization framework</i>	<b>Karaman A.</b>	KU Leuven, Campus Diepenbeek, Department of Mechanical Engineering, Wetenschapspark 27, 3950	Belgium	Poster Session 1 / Monday, June 1 - Tuesday, June 2
469	Additive Manufacturing of Polymers	Poster	<i>Bio-based Furanoate Thermoplastic Elastomer Copolymers with tunable Rigid-Soft Segment for Additive Manufacturing</i>	<b>Ponkratenkova A.</b>	Riga Technical University	Latvia	Poster Session 1 / Monday, June 1 - Tuesday, June 2
472	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Influence of Polymer Characteristics and Compatibilizers on the Performance of Starch-Polyethylene Blends</i>	<b>Verberckmoes A.</b>	Centre for Polymer and Material Technologies (CPMT), Ghent University	Belgium	Poster Session 1 / Monday, June 1 - Tuesday, June 2
475	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Study of data sensitivity used to assess the carbon footprint of a multi-material injection-molded product</i>	<b>Dubois A.</b>	Nantes Université, Oniris, CNRS, GEPEA, UMR 6144	France	Poster Session 1 / Monday, June 1 - Tuesday, June 2
477	Composites, Blends and Alloys	Poster	<i>Non-Biodegradable And Biodegradable Agave Fiber Composites As Adsorbents For Heavy Metals And Dyes</i>	<b>Robledo-Ortíz J.</b>	University of Guadalajara	Mexico	Poster Session 1 / Monday, June 1 - Tuesday, June 2
482	Rubber, elastomers and thermosets	Poster	<i>Process-Induced Dimensional Changes in Nitrile Butadiene Rubber: Influence of Molding Parameters on Shrinkage</i>	<b>Azevedo de Freitas M.</b>	Polymer Competence Center Leoben	Austria	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
485	Nanotechnology and Nanocomposites	Poster	<i>Nanostructuring of HDPE/PP/Paper Composites via Mechanical Processing</i>	<b>Vozniak A.</b>	Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences	Poland	Poster Session 1 / Monday, June 1 - Tuesday, June 2
488	Surfaces and Interfaces	Poster	<i>Cold-Plasma Enhancement of Bio-Composite Fiber/Matrix Interfaces for Fluid Sealing Applications.</i>	<b>Perrier-Michon F.</b>	Mines Paris - PSL	France	Poster Session 1 / Monday, June 1 - Tuesday, June 2
490	Additive Manufacturing of Polymers	Poster	<i>Production of bone scaffolds with hierarchical porous structure via 3D printing and Supercritical CO<sub>2</sub> leaching</i>	<b>Miranda A.</b>	Department of Industrial Engineering, University of Salerno	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
491	Biomedical applications	Poster	<i>Simultaneous supercritical leaching and drug impregnation of 3D printed PLA/SA scaffolds</i>	<b>Iannone A.</b>	Department of Industrial Engineering, University of Salerno	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
492	Foams and Membranes	Poster	<i>Formation and Growth of Bubbles in Polyethylene During Rotational Moulding</i>	<b>Blair A.</b>	Queen's University Belfast	United Kingdom	Poster Session 1 / Monday, June 1 - Tuesday, June 2
497	Special Session: Advances in Polymer Processing and Digital Manufacturing for Prosthetic Devices	Poster	<i>3D Printing And Mold-Assisted Compaction Of Continuous Carbon Fiber-Reinforced Thermoplastics For Prosthetic Components</i>	<b>Uyar F.</b>	Institute of Polymers, Composites and Biomaterials, National Research Council (IPCB-CNR)	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
498	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Sustainable Polymer-Based Electrolyte for Solid-State Lithium-Ion Batteries: Life Cycle Assessment Approach</i>	<b>Uhrova A.</b>	Centre of Polymer Systems, University Institute, Tomas Bata University	Czechia	Poster Session 1 / Monday, June 1 - Tuesday, June 2
500	Nanotechnology and Nanocomposites	Poster	<i>Mono Lithium Adipate Exfoliated MXene Incorporated Poly(vinylidene fluoride) Nanocomposites for Efficient Piezoelectric Energy Harvesters</i>	<b>Mukherjee A.</b>	IIT BOMBAY	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2

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501	Injection molding, micromolding and molds	Poster	<i>A Modular Data Acquisition Platform for Traceable and Machine Learning-Enabled Quality Control in Injection Molding.</i>	Moors J.	KU Leuven, Campus Diepenbeek, Department of Mechanical Engineering	Belgium	Poster Session 1 / Monday, June 1 - Tuesday, June 2
505	Rheology and characterization	Poster	<i>An Integrated Software Framework for Automated Creep Analysis and Mastercurve Construction in Polymers</i>	Oliveira V.	PIEP - Pólo de Inovação em Engenharia de Polímeros	Portugal	Poster Session 1 / Monday, June 1 - Tuesday, June 2
506	Aeronautical and Aerospace applications	Poster	<i>High-performance polymer nanocomposites for lunar exploration</i>	Khaledi B.	Montréal	Canada	Poster Session 1 / Monday, June 1 - Tuesday, June 2
513	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Rheological Investigation of Polypropylene and Ethylene phases Interfaces and their Impact on Recycled Polypropylene Mechanical Properties</i>	Kianpisheh M.	Faculty of Engineering and Natural Sciences, Tampere University	Finland	Poster Session 1 / Monday, June 1 - Tuesday, June 2
514	Injection molding, micromolding and molds	Poster	<i>Experimental Optimization of Co-Injection Molding Parameters for the Incorporation of Recycled Polypropylene Using a Design of Experiments Approach</i>	Pedrosa P.	INEGI	Portugal	Poster Session 1 / Monday, June 1 - Tuesday, June 2
516	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Reducing Composition-Driven Variability in Post-Industrial PC/ABS Recycling through Tailored Compatibilization Strategies</i>	Zanatta S.	University of Padova	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
517	Fibers and Films	Poster	<i>Innovative Chitosan Films - the Dual Function of a DES with Tomato Leaf Extract</i>	Kluska D.	Department of Physical Chemistry and Technology of Polymers, Faculty of Chemistry, Silesian University of Technology	Poland	Poster Session 1 / Monday, June 1 - Tuesday, June 2
521	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Mechanical Recycling of EPDM Foams as Functional Fillers in Polyethylene Reprocessing</i>	Razavi-Esfali M.	aCircular Plastics, Department of Circular Chemical Engineering, Faculty of Science and Engineering	Netherlands	Poster Session 1 / Monday, June 1 - Tuesday, June 2
525	Extrusion, Mixing and Compounding	Poster	<i>Development of Sustainable bioTPU Formulations Incorporating Gum Rosin Derivatives for Footwear Applications</i>	Rodrigues D.	CeNTI - Centre for Nanotechnology and Advanced Materials	Portugal	Poster Session 1 / Monday, June 1 - Tuesday, June 2
531	Composites, Blends and Alloys	Poster	<i>Enhancing the Thermal and Rheological Stability of PLA/Biosilicate® Biocomposites during Melt Processing through Filler Functionalization with Maleic Anhydride</i>	Costa L.	Federal University of Sao Carlos, Graduate Program in Materials Science and Engineering	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
534	Extrusion, Mixing and Compounding	Poster	<i>Dynamic flow balancing experiments in polymer extrusion using local ultrasonic vibrations</i>	Mateboer T.	Windesheim University of Applied Sciences	Netherlands	Poster Session 1 / Monday, June 1 - Tuesday, June 2
535	Injection molding, micromolding and molds	Poster	<i>From Two-Photon Grayscale Lithography to Scalable Hybrid Polymer Optics: Electroplating and Injection Molding for High-Fidelity Replication</i>	Wagner S.	Hahn-Schickard Institute	Germany	Poster Session 1 / Monday, June 1 - Tuesday, June 2
536	Modeling and simulation	Poster	<i>Computational fluid dynamics modeling of flow balancing in polymer extrusion using vibrating mandrels</i>	Buist J.	Windesheim University of Applied Sciences	Netherlands	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
540	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Thermochemical recycling of carbon fiber reinforced epoxy composites waste from aeronautic industry</i>	Saron C.	University of São Paulo - Lorena School of Engineering	Brazil	Poster Session 1 / Monday, June 1 - Tuesday, June 2

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544	Additive Manufacturing of Polymers	Poster	<i>Improving GelMA/HA resin homogeneity and printing resolution</i>	<b>Budaeva A.</b>	Polytechnic University of Turin	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
548	Composites, Blends and Alloys	Poster	<i>An assessment on the effect of ignimbrite dust on rotomolded polyethylene composites</i>	<b>Ortega Z.</b>	Universidad de Las Palmas de Gran Canaria	Spain	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
551	Morphology and structural development	Poster	<i>Microstructural and Mechanical Analysis of the Skin/Shell/Core Gradient Structure of Glass Fibre- and Talc-Reinforced Injection Moulded iPP.</i>	<b>Albrant M.</b>	Technical University Berlin, Polymer Materials and Technologies	Germany	Poster Session 1 / Monday, June 1 - Tuesday, June 2
557	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Imparting Versatile End-of-Life Circularity to Commercial Polyurethane Foams Pre- and Post-Processing</i>	<b>Son K.</b>	University of Massachusetts Lowell	United States	Poster Session 1 / Monday, June 1 - Tuesday, June 2
560	Smart polymers and special applications	Poster	<i>Mechanically Robust LiCl-Organohydrogel-based Polymer Composite Triboelectric Nanogenerators</i>	<b>Park Y.</b>	Myongji University	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
563	Extrusion, Mixing and Compounding	Poster	<i>High-Performance Conductive Polymer Composites for Thermoelectric Energy Harvesting in Space Environments</i>	<b>Khosravi F.</b>	École de Technologie Supérieure (ÉTS)	Canada	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
564	Biomedical applications	Poster	<i>Biomimetic CNC-MOF Hybrid Hydrogels: Self-Adhesive, Highly Stretchable and Ionically Conductive Platforms for Artificial Soft Electronics</i>	<b>Ipakchi H.</b>	University of Waterloo	Canada	Poster Session 1 / Monday, June 1 - Tuesday, June 2
567	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Abiotic Degradation Of Biopolymers And Its Impact On Aquatic Systems</i>	<b>Perez-Fonseca A.</b>	Universidad de Guadalajara	Mexico	Poster Session 1 / Monday, June 1 - Tuesday, June 2
568	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Comparative Processability of Virgin and Recycled PLA/Biochar Composites as Feedstocks for Material Extrusion Additive Manufacturing</i>	<b>Romani A.</b>	Department of Electrical and Computer Engineering, Faculty of Engineering, Western University	Canada	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
572	Injection molding, micromolding and molds	Poster	<i>Cross-Viscosity Quality Prediction for Recycled Polymers Using Intelligent Injection-Molding Analytics</i>	<b>Hsi-Yao C.</b>	National Taiwan Normal University	Taiwan	Poster Session 1 / Monday, June 1 - Tuesday, June 2
575	Injection molding, micromolding and molds	Poster	<i>An Intelligent Framework for Quality Monitoring and Process Parameter Estimation in Injection Molding</i>	<b>Yu-Wen T.</b>	National Taiwan Normal University	Taiwan	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
576	Smart polymers and special applications	Poster	<i><math>\beta</math>-Cyclodextrin-Exfoliated Molybdenum Sulphide and Cerium Oxide Incorporated Poly(vinylidene fluoride) Nanocomposite Films for Enhanced Broadband Piezo-phototronic and Smoke Sensing Applications</i>	<b>Mohandas N.</b>	Indian Institute of Technology, Bombay	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2
577	Smart polymers and special applications	Poster	<i>Mono-Lithium Adipate Exfoliated Graphene Driven Superior Polar Phase Formation and Enhanced Piezoelectric Energy Harvesting in Flexible Poly(vinylidene fluoride) Nanocomposites</i>	<b>Lakra H.</b>	Indian Institute of Technology Bombay	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2

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578	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Development of Next-Generation Biodegradable Sanitary Pad with Enhanced Absorbent Core using CMC and a Reinforced CNC–Bioplastic Bottom Layer</i>	<b>Mandava S.</b>	CSIR-Indian Institute of Chemical Technology	India	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
581	Injection molding, micromolding and molds	Poster	<i>Investigation of the Molding Quality of Lightweight Hollow Products in Heated Gas-Assisted Injection Molding</i>	<b>Liew K.</b>	Feng Chia University	Taiwan	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
582	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Development of depolymerization and purification processes for PET fabric waste toward closed-loop fiber-to-fiber recycling</i>	<b>Bae J.</b>	Korea Institute of Industrial Technology (KITECH)	Korea	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
583	Nanotechnology and Nanocomposites	Poster	<i>Dialdehyde Cellulose–Assisted Defect Engineering of Au@TiO<sub>2</sub> Aerogel Nanocomposites for Mild-Condition Photocatalytic CO<sub>2</sub> Cycloaddition to Cyclic Carbonates</i>	<b>Myoung H.</b>	Inha University	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
584	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Reusability research of polybutylene terephthalate-aluminum injection molded direct joining</i>	<b>Wang S.</b>	the University of Tokyo	Japan	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
586	Rubber, elastomers and thermosets	Poster	<i>Effects of Rubber-like Domains on Mechanical Properties and Crystalline Structure Evolution of Thermoplastic Elastomers Containing a Crystalline Component</i>	<b>Sekoguchi T.</b>	The University of Shiga Prefecture	Japan	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
589	Smart polymers and special applications	Poster	<i>Development of the Poly(2-oxazoline)-Based PFAS-Selective Materials for Water Purification</i>	<b>Amanvermez B.</b>	Sabancı University	Turkey	Poster Session 1 / Monday, June 1 - Tuesday, June 2
590	Injection molding, micromolding and molds	Poster	<i>Real-Time Monitoring of Injection Molding Processes Using a Surface-Mounted Edge Device with Integrated Vibration and Temperature Sensing</i>	<b>Kim J.</b>	Korea Institute of Industrial Technology	Korea	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
591	Fibers and Films	Poster	<i>Fabrication and characterization of triangular cross-section sheath/core bicomponent fibers via high-speed melt spinning</i>	<b>Bae J.</b>	Korea Institute of Industrial Technology (KITECH)	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
592	Additive Manufacturing of Polymers	Poster	<i>Additive Manufacturing of Hierarchical Bio-Inspired Composite Materials using Fused Filament Fabrication</i>	<b>Rubenzucker T.</b>	Institut of Polymer Product Engineering	Austria	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
593	Machine Learning in Polymer Processing	Poster	<i>Quality Prediction in Injection Molding Using Cavity Pressure Profiles and ANN Models</i>	<b>Ro S.</b>	Korea Institute of Industrial Technology	Korea	Poster Session 1 / Monday, June 1 - Tuesday, June 2
598	Composites, Blends and Alloys	Poster	<i>Morphology and Mechanical Properties of Mono-Lithium Adipate Exfoliated Graphene Incorporated Polyamide6 Nanocomposites</i>	<b>Bhattacharjee N.</b>	Indian Institute of Technology Bombay	India	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
600	Composites, Blends and Alloys	Poster	<i>Recycled PP Biocomposites Reinforced with Corn Refinery Co-Products for Circular Applications</i>	<b>F.Teixeira P.</b>	CeNTI – Centre for Nanotechnology and Advanced Materials	Portugal	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3

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602	Morphology and structural development	Poster	<i>Spatial distribution of morphological changes during thermal degradation of iPP prepared under different crystallization conditions evaluated by Raman spectroscopy</i>	<b>Kitamura K.</b>	The University of Shiga Prefecture	Japan	Poster Session 1 / Monday, June 1 - Tuesday, June 2
604	Foams and Membranes	Poster	<i>Foaming behavior of chemically modified PLA reinforced with cellulose nanocrystals (CNC)</i>	<b>Suquisaquí A.</b>	Federal University of São Carlos (UFSCar)	Brazil	Poster Session 1 / Monday, June 1 - Tuesday, June 2
608	Fibers and Films	Poster	<i>Innovative interfacial compatibilization and blowing strategies for advancing PLA/PBAT composite films: Enhancing film blowing stability, strength and toughness</i>	<b>Wen Q.</b>	State Key Laboratory of Polymer Materials Engineering, Polymer Research Institute of Sichuan University	China	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
613	Foams and Membranes	Poster	<i>Enhanced exfoliation of Graphite with varying particle size in HDPE/Graphite composites via supercritical CO<sub>2</sub> foaming and its influence on foam structure</i>	<b>Park C.</b>	Department of Mechanical and Industrial Engineering, University of Toronto, King's College Road, Toronto M5S 3G8, Canada	Canada	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
615	Injection molding, micromolding and molds	Poster	<i>Experimental study on the influence of metallic hard coatings on the in-mold process conditions and flow length in injection molding</i>	<b>Ruehl H.</b>	University of Stuttgart, Institute for Micro Integration (IFM)	Germany	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
616	Injection molding, micromolding and molds	Poster	<i>Design Strategies for Uniform Filling in Multi-Cavity Tandem Molds</i>	<b>Jeong E.</b>	Digital Manufacturing Division, Korea Institute of Industrial Technology	Korea	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
618	Injection molding, micromolding and molds	Poster	<i>Multiscale Co-simulation for Impregnation Prediction of Thermoplastic Textile-reinforced Composites</i>	<b>Lee H.</b>	Digital Manufacturing Division, Korea Institute of Industrial Technology	Korea	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
621	Modeling and simulation	Poster	<i>Modeling Polymer Extrusion with Moving Meshes</i>	<b>Nóbrega J.</b>	Institute for Polymers and Composites, University of Minho, Campus de Azurém, 4800-058 Guimarães	Portugal	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
622	Additive Manufacturing of Polymers	Poster	<i>Simulation-based design guidelines for fused granular fabrication of upcycled polyamide-12 powder</i>	<b>Bheeman B.</b>	Hamburg University Of Applied Sciences (HAW Hamburg)	Germany	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
623	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Poly(hydroxybutyrate-co-hydroxyvalerate)/thermoplastic starch films containing essential oil encapsulated in cellulose acetate for functional mulch films</i>	<b>Rosa Oliveira P.</b>	Federal University of Santa Catarina	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
624	Additive Manufacturing of Polymers	Poster	<i>Re-chain Formation of PET, PA6, and their Blends via Compatibilization with a Zirconate-Based Coordination Complex</i>	<b>Martins F.</b>	Federal University of São Carlos	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
626	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Effect of Melt Reprocessing on the Structural and Mechanical Properties of Biomass polymer Alloys</i>	<b>Seiriki R.</b>	Doshisha University	Japan	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
627	Smart polymers and special applications	Poster	<i>Obtaining and characterizing flexible silicone rubber electrodes with carbonaceous conductive fillers for use in Nafion-based IPMC actuators.</i>	<b>Henrique Scuracchio C.</b>	Federal University of São Carlos	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3

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631	Rubber, elastomers and thermosets	Poster	<i>Deproteinization and epoxidation of natural rubber aiming at the inclusion of ionic groups.</i>	<b>Henrique Scuracchio C.</b>	Federal University of São Carlos	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
632	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Confined crystallization in ultrathin biodegradable multilayer polymer films for enhanced mechanical and gas barrier properties.</i>	<b>Faysal A.</b>	University of Toronto	Canada	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
634	Surfaces and Interfaces	Poster	<i>Structure-Property Correlations in Waterborne Polyurethanes Containing PDMS Segments of Varied Topologies</i>	<b>Ucar M.</b>	Faculty of Engineering and Natural Sciences, Material Science and Nano Engineering, Sabanci University	Turkey	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
644	Additive Manufacturing of Polymers	Poster	<i>Modelling and 3D printing of square grid auxetic structure: experimental and simulation study of the impact of changing unit cell parameters on mechanical properties</i>	<b>Hassan H.</b>	KU Leuven	Belgium	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
650	Biomedical applications	Poster	<i>Design and Fabrication of Sustainable PCL-45S5 Bioglass Biocomposites for 3D Printing</i>	<b>Chinellato A.</b>	Federal University of ABC	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
654	Nanotechnology and Nanocomposites	Poster	<i>Effect of residence time and temperature on the mechanical degradation of graphene-polyethylene nanocomposites</i>	<b>Vidotti S.</b>	Center for Engineering, Modeling and Applied Social Sciences (CECS), Federal University of ABC (UFABC)	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
657	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Influence of a Titanate Coupling Agent on the Rheology and Morphology of Recycled PP, Recycled PET, and their Blends</i>	<b>Staffa L.</b>	Graduate Program in Materials Science and Engineering, Federal University of São Carlos	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
658	Smart polymers and special applications	Poster	<i>Design and Performance of Stimuli-Responsive Semi-IPN Injectable Hydrogels for Tissue Engineering</i>	<b>Saba A.</b>	Chiang Mai University	Thailand	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
659	Additive Manufacturing of Polymers	Poster	<i>Understanding the Relationship Between Structure, Rheology, and Printability in GelMA/Xanthan Gum Hydrogels</i>	<b>Disigant I.</b>	MackGrapple - Mackenzie Institute for Research in Graphene and Nanotechnologies	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
660	Biomedical applications	Poster	<i>Curatex - Smart wound dressing with applied nanobiotechnology: Development and characterization</i>	<b>de Oliveira P.</b>	Universidade de Brasília	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
665	Extrusion, Mixing and Compounding	Poster	<i>Effect of Cellulose Nanocrystals Addition on the Compatibilization of PHBV/PCL Biodegradable Polymer Blends in a Twin-Screw Extruder.</i>	<b>Molleapaza Tito A.</b>	University of São Paulo (USP)	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
667	Morphology and structural development	Poster	<i>Unexpected morphology formation during flow induced crystallization of polylactide and tungsten disulfide Nanotubes for bioresorbable vascular scaffolds.</i>	<b>Di Luccio T.</b>	Department of Natural Sciences, Pitzer and Scripps Colleges	United States	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
671	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Mechanical Behavior of Recycled Polypropylene Composites with Pine Nutshell (Araucaria angustifolia) Reinforcement under Natural Weathering</i>	<b>de Andrade Aguiar L.</b>	UERJ	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
672	Surfaces and Interfaces	Poster	<i>Sustainable Cryogels from Lignin nanoparticle-reinforced starch for water remediation</i>	<b>Derval dos Santos R.</b>	UERJ	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
674	Additive Manufacturing of Polymers	Poster	<i>Bio-derived Acrylate/Epoxy Resins for 4D-Printed Shape-Memory Devices: Matching Industrial Mechanics with Smart Recovery</i>	Mughal A.	Technological University of the Shannon	Ireland	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
677	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Recycling Potential of Post-Consumer Polypropylene: Stability After Reprocessing Cycles</i>	Werderits Silva D.	CEFET	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
678	Nanotechnology and Nanocomposites	Poster	<i>Larvicidal activity of polymeric nanocomposites with green synthesized noble metal nanoparticles against Aedes aegypti</i>	da SilvaTeixeira C.	Federal University of Santa Catarina	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
679	Nanotechnology and Nanocomposites	Poster	<i>Chitosan nanocapsules containing natural compounds and their application as mosquito population control agents</i>	Nardini Carli L.	Federal University of Santa Catarina	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
680	Rheology and characterization	Poster	<i>Thermomechanical boundary conditions in PVC flow characterization</i>	Deceur S.	KU Leuven, Structural materials, Propolis research group	Belgium	Poster Session 1 / Monday, June 1 - Tuesday, June 2
681	Foams and Membranes	Poster	<i>Structure-Process-Property Effects Governing Foamability of Low-Density Polyethylene</i>	Kim J.	University of Toronto	Canada	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
682	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Bioplastics from orange processing waste and poly(lactic acid)</i>	Prado Bettini S.	Universidade Federal de Sao Carlos	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
685	Morphology and structural development	Poster	<i>Development of an accelerated water treeing test to evaluate tree growth in XLPE insulating composites modified with ceramic fillers</i>	Bernardo F.	Federal University of São Carlos	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
695	Surfaces and Interfaces	Poster	<i>Surface characterisation of thermoplastic pre-impregnated UD tape, for its recycling and reuse.</i>	Barasinski A.	IMT Mines Albi - ICA	France	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
696	Extrusion, Mixing and Compounding	Poster	<i>Melt Processability of UHMWPE-LDPE Blends Using Virgin, Post-Industrial, and Post-Consumer Recycled Polyethylene Films</i>	Fazli A.	CTT Group	Canada	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
698	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Polymers don't survive forever: Perspectives at microplastics and degradation</i>	Gahleitner M.	Borealis Polyolefine GmbH	Austria	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
706	Machine Learning in Polymer Processing	Poster	<i>Structure-Based Glass Transition Temperature Prediction and Comparison of Molecular Representations for Interpretable Design of Polymers</i>	Cuddihy P.	University of Akron	United States	Poster Session 1 / Monday, June 1 - Tuesday, June 2
707	Modeling and simulation	Poster	<i>Microscopic dynamics of reactive polymer-grafted nanoparticles in dynamic covalent networks</i>	Alrashdan R.	The University of Akron	United States	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
708	Rheology and characterization	Poster	<i>Automated accelerated creep test setup for quantifying slow-crack growth in Natural and Black PE100 exposed to high-concentration chlorine dioxide</i>	Sarafpour A.	Sharif University of Technology	Iran	Poster Session 1 / Monday, June 1 - Tuesday, June 2

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712	Extrusion, Mixing and Compounding	Poster	<i>Flow Simulation of Highly Streamlined Extruder Screw</i>	<b>Marschik C.</b>	Competence Center Chase GmbH	Austria	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
714	Biomedical applications	Poster	<i>Injectable Hybrid Hydrogels Integrating Hyaluronic acid-Arginine and Asiaticoside Niosomes for Enhanced Tissue Regeneration and Wound Closure</i>	<b>Bikiaris R.</b>	Democritus University of Thrace	Greece	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
715	Biomedical applications	Poster	<i>Innovative ultrafast in-situ forming hydrogels with intrinsic properties for immediate hemostasis and tissue regeneration for wound healing applications in the oral cavity</i>	<b>Matschek N.</b>	Aristotle University of Thessaloniki	Greece	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
717	Aeronautical and Aerospace applications	Poster	<i>"Structural and Morphological Assessment of Carbon-Waste Mulberry Silk Hybrid Epoxy Composites for Aerospace Use"</i>	<b>Bawankar D.</b>	Shri Bhagubhai Mafatlal Polytechnic and college of Engineering	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2
719	Rheology and characterization	Poster	<i>Almpact of Extraction Methods of Wine Lees <math>\beta</math>-Glucan on the Rheological Properties of Low-Fat Yoghurt</i>	<b>Chirsanova A.</b>	Chisinau	Moldova	Poster Session 1 / Monday, June 1 - Tuesday, June 2
721	Nanotechnology and Nanocomposites	Poster	<i>Polypyrrole/CNT/Metal Oxide Nanocomposite as a Dual-Functional Electrode for High-Performance Supercapacitor and Sensing Application</i>	<b>Thali B.</b>	University of Mumbai	India	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
723	Machine Learning in Polymer Processing	Poster	<i>Intelligent AI/ML-Assisted Process Parameter Optimization for High-Performance and Biocompatible Polymers in Injection Molding Applications</i>	<b>Pandey S.</b>	BALRAMPUR	India	Poster Session 1 / Monday, June 1 - Tuesday, June 2
726	Fibers and Films	Poster	<i>Film formation and functional evaluation of intercalation compounds using montmorillonite and gemini-type Quaternary Ammonium Salts</i>	<b>Hase K.</b>	Kanazawa Institute of Technology	Japan	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
729	Nanotechnology and Nanocomposites	Poster	<i>The effect of a flame-resistant polyethylene glycol(PEG) phase change system on blocking heat flow in clay bricks</i>	<b>Abdealli G.</b>	Technological University of the Shannon	Ireland	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
734	Modeling and simulation	Poster	<i>Numerical study of the thermal conductivity of core-shell thermoplastic polyurethane (TPU) aerogel fiber composite for thermal insulation textiles</i>	<b>Okafor P.</b>	University of Toronto	Canada	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
735	Fibers and Films	Poster	<i>Light-driven Liquid Crystal Elastomer Actuator via MXene Superlattice with High Photothermal Conversion Efficiency</i>	<b>Shin H.</b>	Korea Institute of Industrial Technology (KITECH)	Korea	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
738	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Key Issues in Manufacturing Rigid Packaging from virgin and recycled PET Blends</i>	<b>Garofalo E.</b>	University of Salerno, Department of Industrial Engineering	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
740	Foams and Membranes	Poster	<i>Advancing Eco-Safe Materials: Formaldehyde-Free Tannin-Based Foams for Construction Applications</i>	<b>J. da Costa J.</b>	CIETI – LabRISE, ISEP, Polytechnic of Porto, Rua Dr. António Bernardino de Almeida, 431, 4249-015	Portugal	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
741	Modeling and simulation	Poster	<i>Mechanochemical Response of Triphenylmethane-Based Mechanophore in a DFT Simulation Study</i>	<b>Bera S.</b>	Materials Science Centre, Indian Institute of Technology, Kharagpur	India	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
742	Additive Manufacturing of Polymers	Poster	<i>Sustainable Design through Bamboo-ABS Filaments: A Path to Greener Additive Manufacturing</i>	<b>Mulinari D.</b>	Rio de Janeiro State University (UERJ)	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
743	Composites, Blends and Alloys	Poster	<i>Moisture Absorption In Vegetable Fiber Reinforced Polymer Composites: A New Evaluation Approach</i>	<b>de Carvalho L.</b>	UFCEG/PPGCEMat	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
744	Nanotechnology and Nanocomposites	Poster	<i>Nanomechanical properties of hybrid epoxy systems reinforced with multi-walled carbon nanotubes and graphene nanosheets</i>	<b>Raimondo M.</b>	Department of Industrial Engineering, University of Salerno, Via Giovanni Paolo II, 84084	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
746	Rheology and characterization	Poster	<i>Characterization and Simulation of Highly Filled Thermoplastics under Real Processing Conditions</i>	<b>Otterbein S.</b>	Montanuniversität	Austria	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
747	Biomedical applications	Poster	<i>In situ modification of Bacterial Cellulose for Multipurpose Applications</i>	<b>Meier M.</b>	Department of Chemistry, Santa Catarina State University (UDESC)	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
748	Smart polymers and special applications	Poster	<i>Dual-Band Electrochromic Poly(amide-imide)s with Redox-Stable N,N,N',N'-Tetraphenyl-1,4-phenylenediamine Segments</i>	<b>Hsiao S.</b>	Taipei	Taiwan	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
749	Smart polymers and special applications	Poster	<i>Crack-Resistant and Self-Healable Passive Radiative Cooling Silicone Compounds</i>	<b>Guo C.</b>	Sichuan University	China	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
750	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Thermodynamics of Plasticizer Residues Sorption Processes on Metal Oxide-Activated Biochars Encapsulated in Biopolymers</i>	<b>Sturza R.</b>	Technical University of Moldova	Moldova	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
751	Composites, Blends and Alloys	Poster	<i>Sustainable PP/PHB Composites Reinforced with Hemp Shives</i>	<b>Celebi H.</b>	ESKISEHIR TECHNICAL UNIVERSYT	Turkey	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
752	Fibers and Films	Poster	<i>Lyocell Nonwovens Using Recycled Cotton Fibers via a Wet-Based Spunlaid Spinning Process</i>	<b>Nam I.</b>	Korea Institute of Industrial Technology	Korea	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
753	Rheology and characterization	Poster	<i>The Effect Of Rye Sourdough Addition On Dynamic Oscillatory And Creep-Recovery Rheological Behavior Of Wheat-Flour Dough</i>	<b>Ghendov-Mosanu A.</b>	Technical University of Moldova	Moldov	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
754	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>From Waste to Resource: Building a Circular System for Polystyrene Yogurt Cups</i>	<b>Faria C.</b>	PIEP	Portugal	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
756	Rheology and characterization	Poster	<i>Effect of KCl-based sea salt on the creep-recovery and oscillatory rheological behavior of the wheat-flour dough polymer network</i>	<b>Stroe S.</b>	Stefan cel Mare University of Suceava	Romania	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
757	Composites, Blends and Alloys	Poster	<i>Improving the Mechanical Performance of Rotomolded PLA-Natural Fiber Biocomposites through Thermal Annealing</i>	<b>Cisneros-López E.</b>	Universidad de Guadalajara - CUCEI	Mexico	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3

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758	Rheology and characterization	Poster	<i>Rheological Evaluation of the Wheat Dough Polymer Network with Reduced-Sodium Salt Using Oscillatory and Creep-Recovery Measurements</i>	<b>Codină G.</b>	Stefan cel Mare University	Romania	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
759	Fibers and Films	Poster	<i>Evaluation of Interface Adhesion of HFRP with the Addition of Compatibilizer iPP-PAA</i>	<b>Toyohara T.</b>	Kanazawa Institute of Technology	Japan	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
762	Injection molding, micromolding and molds	Poster	<i>Multi-Objective Design of Conformal Cooling Channels Based on Isothermal-Line Mapping</i>	<b>Cunha A.</b>	IPC- Institute for Polymers and Composites, University of Minho	Portugal	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
764	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Contaminated plastic streams in recycling: challenges, material properties, and possible solutions</i>	<b>Göbel T.</b>	SKZ - KFE gGmbH	Germany	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
765	Fibers and Films	Poster	<i>Fabrication and Mechanical Property Evaluation of CNF added CFRP Laminates</i>	<b>Sekiguchi R.</b>	Kanazawa Institute of Technology	Japan	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
766	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Chemical valorization of waste polyacrylonitrile polymers via shuttle catalysis</i>	<b>Leinders J.</b>	KU Leuven	Belgium	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
767	Aeronautical and Aerospace applications	Poster	<i>Design of Self-Heating Structural Elements</i>	<b>Vertuccio L.</b>	Department of Engineering, University of Campania "Luigi Vanvitelli"	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
772	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Recycling and new applications for carbon fibres from aircraft industry waste composites: recent advancement and future perspectives</i>	<b>Tammaro L.</b>	ENEA	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
773	Additive Manufacturing of Polymers	Poster	<i>Transforming PLA/MWCNT into Smart Materials: Processing, 3D Printing alignment-induced, and Piezoresistive Functionality</i>	<b>Ouattara L.</b>	Mines Paris PSL-Cemef	France	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
783	Rheology and characterization	Poster	<i>Districts of Solid Behavior and Right-Hand Side of Rheology Road in Dual Dynamic Bond Polyurethane</i>	<b>Jha S.</b>	Indian Institute of Technology Jammu	India	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
787	Morphology and structural development	Poster	<i>In-situ Research on Multi-scale Structural Evolution of Polyvinyl Butyral during Stretching</i>	<b>Huang L.</b>	University of Science and Technology of China	China	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
788	Morphology and structural development	Poster	<i>Structural Evolution of PBAT under Biaxial Stretching: An In-situ Synchrotron Radiation Study</i>	<b>Wang C.</b>	University of Science and Technology of China	China	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
789	Solid state processing and properties	Poster	<i>Relationship Between the Microstructure and Properties of Polyvinyl Butyral with Different Molecular Configuration Ratios</i>	<b>Qiao M.</b>	University of Science and Technology of China	China	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
791	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Strategies to recover the properties of multiple processed polylactic acid (PLA)</i>	<b>Liedl B.</b>	University of Applied Sciences Upper Austria	Austria	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
796	Additive Manufacturing of Polymers	Poster	<i>Thermal analysis as a tool to optimize fused filament fabrication of poly(L-lactic acid)</i>	<b>Di Lorenzo M.</b>	National Research Council (CNR)	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3

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799	Fibers and Films	Poster	<i>The crystal structure deformation of P4M1P when uniaxial stretching at wide temperatures</i>	Li W.	University of Science and Technology of China	China	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
800	Injection molding, micromolding and molds	Poster	<i>Use of Raman Spectroscopy for In-Situ Measurement of Morphology Formation in Injection Molding</i>	Kurkowski M.	Leibniz Institute of Polymer Research Dresden	Germany	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
801	Surfaces and Interfaces	Poster	<i>Constructing Surface Microstructures on PA6 Films: The Coordination of Stretching Mode and Temperature</i>	Sheng S.	University of Science and Technology of China	China	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
804	Morphology and structural development	Poster	<i>Morphology, crystallization and thermal properties of biodegradable and double crystalline poly(7-hydroxybutyrate)-b-poly(lactide) diblock copolymers.</i>	Cimino A.	POLYMAT and Department of Polymers and Advanced Materials: Physics, Chemistry and Technology, Faculty of Chemistry, University of the Basque Country UPV/EHU, Donostia-San Sebastián 20018, Spain	Spain	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
805	Fibers and Films	Poster	<i>Adhesive features of antifouling coating deposited on DH36 steel plate</i>	Sindona G.	Department of Engineering, University of Messina, C.da Di Dio, 98166	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
806	Foams and Membranes	Poster	<i>Steam-Assisted CO<sub>2</sub> Foaming of PMMA and HDPE: Expanding the High-Temperature Window for Tunable Open-Cell Microcellular Foams</i>	Redondo A.	The Institute of Bioeconomy, Department of Chemical Engineering and Environmental Technology, University of Valladolid	Spain	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
809	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Developing Enhanced Bio-sourced PBSA Films for Sustainable Packaging: Mechanical Reinforcement, Film Blowing, and Environmental Assessment (LCA)</i>	Cigada M.	Politecnico di Milano	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
812	Additive Manufacturing of Polymers	Poster	<i>Additive Manufacturing of Polyethylene–Lunar Regolith Simulant Composites for Maximized ISRU</i>	Moazen S.	École de technologie supérieure	Canada	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
813	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Case study of alternatives for closing the cycle of food delivery service within the circular economy.</i>	Gámez Hernández L.	Universidad de Los Andes	Colombia	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
815	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>One-step gas-foamed self reinforced polypropylene (SRPP) sandwich composites: flexural performance and LCA</i>	Errichiello F.	University of Naples Federico II	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
816	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Case study of alternatives for closing the cycle of food delivery service within the circular economy</i>	Prieto Manosalva M.	Universidad de Los Andes	Colombia	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
819	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Life Cycle Assessment of a Motorcycle Component: Environmental Trade-offs of Additive Manufacturing versus Conventional Production</i>	Machado B.	PIEP - Centre for Innovation in Polymer Engineering	Portugal	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
820	Injection molding, micromolding and molds	Poster	<i>Impact of mechanical recycling on the rheology of alumina injection molding feedstock</i>	Laermans V.	KU Leuven	Belgium	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3

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824	Nanotechnology and Nanocomposites	Poster	<i>Enhancing Nanoparticle Dispersion in Polymer Extrusion: A Comparative Study Between Solid-State Predisersion and Conventional Processing</i>	Carvalho B.	State University of Ponta Grossa - UEPG	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
826	Nanotechnology and Nanocomposites	Poster	<i>Electrospinning Of Nanocomposite PVC Membranes For Lactic Acid Detection</i>	Pezzin S.	Santa Catarina State University	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
827	Composites, Blends and Alloys	Poster	<i>Epoxy composites reinforced with hybrid carbon-nanotube / graphene-based buckypapers for multifunctional and EMI-shielding applications</i>	Silva T.	UNESP	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
828	Additive Manufacturing of Polymers	Poster	<i>Interfacial bond strength of hard-soft material combinations in extrusion based additive manufacturing</i>	Kuehnert I.	Leibniz-Institut fuer Polymerforschung Dresden e.V.	Germany	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
829	Biomedical applications	Poster	<i>Mechanical Behavior of Green-Synthesized Silver Nanoparticles Embedded in DLP-Printed Acrylic Resin Composites for Biomedical Applications</i>	Antonowicz-Hüpsch M.	Department of Biomaterials and Medical Devices Engineering, Faculty of Biomedical Engineering, Silesian University of Technology	Poland	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
832	Special Session: Advances in Polymer Processing and Digital Manufacturing for Prosthetic Devices	Poster	<i>Silver-Doped Chitosan Coatings via Electrophoretic Deposition for Antibacterial Protection of Additively Manufactured Ti6Al4V Implants</i>	Ghalayani Esfahan A.	Institute for Polymers, Composites and Biomaterials (IPCB), National Research Council	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
833	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Evaluation of the recycling performance of neat poly(butylene succinate) and its composites with agro-industrial by-product</i>	Brahimi S.	Department of Engineering, University of Messina, C.da Di Dio, 98166	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
834	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Controlled chain scission of recycled polypropylene with di-tert-butyl peroxide: thermal, rheological, and mechanical windows for fiber-forming operations</i>	Hernández Ruiz J.	Universidad de Antioquia	Colombia	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
837	Rheology and characterization	Poster	<i>Squeeze-flow film flow of a structured complex fluid: A perturbation analysis</i>	Herrera-Valencia E.	FESZ-UNAM	Mexico	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
846	Smart polymers and special applications	Poster	<i>Poly(2-ethyl-2-oxazoline) as a Novel Draw Solute for Forward Osmosis Applications</i>	Yıldırım A.	Faculty of Engineering and Natural Sciences, Materials Science and Nano Engineering, Sabanci University	Turkey	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
849	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Quality Limits of Post-Consumer Polypropylene Recyclates for Long-Lasting Applications</i>	Geier J.	Polymer Competence Center Leoben GmbH	Austria	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
850	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Higher quality polypropylene recyclates with enhanced sorting during mechanical recycling</i>	Geier J.	Polymer Competence Center Leoben GmbH	Austria	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
851	Morphology and structural development	Poster	<i>Crystallization of Virgin/Recycled Poly(Ethylene Terephthalate) with Nucleating Agents</i>	Cermak R.	Faculty of Technology, Tomas Bata University in Zlin	Czechia	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3

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852	Aeronautical and Aerospace applications	Poster	<i>Microstructured Polymer-based Targets for High-Efficiency Laser Ablation Propulsion</i>	<b>Di Liberto D.</b>	University of Trento	Italy	Poster Session 1 / Monday, June 1 - Tuesday, June 2
854	Fibers and Films	Poster	<i>Formulation of Bio-Based Multifunctional Polymeric Compounds for Advanced Textile Fiber Applications</i>	<b>Tauro A.</b>	University of Trento	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
857	Foams and Membranes	Poster	<i>Insights into X-ray Microcomputed Tomography for Multiphase Characterisation of PU Foams, Bioactive PLA Composites, and 3D-Printed Polymers</i>	<b>Bernhardt R.</b>	Leibniz Institute of Polymer Research Dresden	Germany	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
864	Additive Manufacturing of Polymers	Poster	<i>Methodology for the development of a modular comfort pad applied to a personal protective product</i>	<b>Capela L.</b>	IPC – Institute for Polymers and Composites, University of Minho	Portugal	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
867	Additive Manufacturing of Polymers	Poster	<i>Evaluating the performance of an injection mould developed using generative design and additive manufacturing</i>	<b>Lopes C.</b>	IPC – Institute for Polymers and Composites, University of Minho	Portugal	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
870	Smart polymers and special applications	Poster	<i>Thermoplastic starch films containing chitosan/starch/<math>\beta</math>-carotene nanoparticles for smart packaging application</i>	<b>Rosa Oliveira P.</b>	Universidade Federal de Santa Catarina	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
874	Morphology and structural development	Poster	<i>Enhancement of crystallization kinetics of poly(L-lactic acid) by reactive processing</i>	<b>Marturano V.</b>	Consiglio Nazionale delle Ricerche (CNR)	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
880	Rheology and characterization	Poster	<i>Die Design Matters: Planar Extensional Viscosity and Elliptical-Die Insights</i>	<b>Baldini C.</b>	NETZSCH	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
882	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Assessing the long-term performance of post-consumer ABS through accelerated ageing</i>	<b>De Luca M.</b>	Politecnico di Milano	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
885	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Integrating Life Cycle Assessment and Material Flow Analysis for Sustainable Design in Tyre Industry</i>	<b>Causa A.</b>	Pirelli Tyre S.p.A.	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
886	Solid state processing and properties	Poster	<i>Processing Routes and Microstructural Outcomes in Soluplus-Based Solid Dispersions</i>	<b>Karimi A.</b>	Technological University of the Shannon	Ireland	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
887	Composites, Blends and Alloys	Poster	<i>Lignin Integration Strategies in Polymer Blend Systems</i>	<b>Ramos de Sousa Junior R.</b>	UFABC	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
889	Biomedical applications	Poster	<i>Bactericidal and Metal-Free 3D Printing Filaments: Visible Light-Activated PLA/TiO<sub>2</sub>-MWCNT</i>	<b>Carvalho B.</b>	State University of Ponta Grossa-UEPG	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
893	Additive Manufacturing of Polymers	Poster	<i>Laser Surface Finishing of SLS-Manufactured TPU: Influence of Ultrafast UV Processing on Morphology and Polymer Structure</i>	<b>Ronca A.</b>	Institute for Polymers, Composites and Biomaterials (IPCB), National Research Council	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
894	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Microwave-Assisted Pyrolysis of 3D-Printed Poly(lactic acid): Valorisation of Bioplastic Waste into Renewable Bio-oil</i>	Abakar R.	King Fahd University of Petroleum and Minerals	Saudi Arabia	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
895	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Disposable polypropylene face mask: study of the toxicological effects of microparticles in Oreochromis niloticus</i>	Kloss J.	Federal Technological University of Paraná	Brazil	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
901	Injection molding, micromolding and molds	Poster	<i>On the Tooling for a Reliable and Exploratory Processing of Polymers using the Cryo Injection Moulding Process</i>	Wenzel L.	Leibniz Institute of Polymer Research Dresden	Germany	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
906	Solid state processing and properties	Poster	<i>Can thermal analysis provide insights into the role of polyvinyl alcohol in improving the thermophysiological comfort of clothing?</i>	Vecchio Cipriotti S.	Sapienza Università di Roma	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
908	Foams and Membranes	Poster	<i>Structural and thermal properties of anisotropic composite rigid PU foams from sustainable raw materials</i>	Picone A.	Istituto dei Polimeri, Compositi e Biomateriali, Consiglio Nazionale delle Ricerche	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
910	Extrusion, Mixing and Compounding	Poster	<i>Melting Behavior of HDPE and PA6 in Twin-Screw Extrusion: Experimental Investigations</i>	Göbel T.	SKZ - KFE gGmbH	Germany	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
911	Composites, Blends and Alloys	Poster	<i>Process Engineering and Disintegration Kinetics of Bio-Based Active Packaging from Agro-Food Waste</i>	Grimaldi M.	Università di Parma	Italy	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
912	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Development of sustainable multi-functional quercetin-treated cotton fabric treated with enhanced washing fastness</i>	Mondal M.	IIT DELHI	India	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
913	Composites, Blends and Alloys	Poster	<i>Development of poly(butylene succinate) copolymer-based composites with protein fibers for sustainable insulating packaging</i>	Merijs-Meri R.	Riga Technical University, Faculty of Natural Sciences and Technology, Institute of Chemistry and Chemical Technology	Latvia	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
914	Extrusion, Mixing and Compounding	Poster	<i>From Grinding to Functionality: Process–Structure–Property Relationships of Shear-Sensitive Biogenic Tree Bark Additives in Biopolymer Composites</i>	Rennert M.	1 Institute of Chemistry, University of Potsdam	Germany	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
916	Fibers and Films	Poster	<i>Nanostructured NIPU based dispersion coating for flexible paper based packaging solutions</i>	Scatto M.	Università degli studi della Repubblica di San Marino	San Marino	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
917	Morphology and structural development	Poster	<i>Processing Strategies for Laser Welding of Cellular and Non-Cellular Thermoplastics</i>	Ferreira A.	University of Aveiro	Portugal	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
918	Extrusion, Mixing and Compounding	Poster	<i>Comparative Study: Single-Deck Pellet Cleaner vs Multi-Deck Pellet Cleaner</i>	Kulkarni R.	Indpro Engineering Systems Pvt Ltd	India	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
921	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>Vitrimer-Based Dynamic Networks for Sustainable Upcycling of Post-Consumer Polypropylene in a Circular Economy</i>	Bohra B.	Indian Institute of Science (IISc)	India	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3

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922	Injection molding, micromolding and molds	Poster	<i>Toward a Digital Twin of Injection Molding Using Image-Processing for Machine Data Acquisition and Analysis</i>	<b>Mollaei Ardestani A.</b>	Technical University of Denmark	Denmark	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
923	Injection molding, micromolding and molds	Poster	<i>Impact of Recycled Content on the Injection Moulding Processability of Semi-Crystalline Polymers</i>	<b>Mollaei Ardestani A.</b>	Technical University of Denmark	Denmark	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
924	Additive Manufacturing of Polymers	Poster	<i>Rosin and rosin derivatives as green and renewable additives for polymers.</i>	<b>de Lima J.</b>	RISE Research Institutes of Sweden	Sweden	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
927	Foams and Membranes	Poster	<i>Charge-Assisted Nanochannel Engineering in Graphene Oxide-COF Hybrid Membranes for High-Flux Molecular Separation</i>	<b>Khan N.</b>	Interdisciplinary Research Center for Membranes and Water Security, King Fahd University of Petroleum & Minerals,	Saudi Arabia	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
928	Biomedical applications	Poster	<i>Osteogenic capacity of the PCL/g-C3N4 3D scaffold for bone tissue engineering</i>	<b>Shen Y.</b>	Taipei Medical University, School of Dental Technology	Taiwan	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
930	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Poster	<i>From Anthraquinone Dye to Sustainable Hybrid Pigments: Multifunctional Colorants for PLA Biopackaging Composites</i>	<b>Szadkowski B.</b>	Lodz University of Technology	Poland	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3
931	Additive Manufacturing of Polymers	Poster	<i>Additive Manufacturing of Polymeric Nanocomposites Containing Hybrid Carbon Nanofillers</i>	<b>Navidfar A.</b>	Bahcesehir University	Turkey	Poster Session 1 / Monday, June 1 - Tuesday, June 2
932	Foams and Membranes	Poster	<i>Effect of structural carbon-based preforms on the recession rate of phenolic resin impregnated carbon ablators</i>	<b>Jin Woo Y.</b>	Korea Institute of Materials Science	Korea	Poster Session 2 / Tuesday, June 2 - Wednesday, June 3