

GEP 2026

XVIII Reunión del Grupo Especializado de Polímeros (GEP) de la Real Sociedad Española de Química (RSEQ) y de la Real Sociedad Española de Física (RSEF)

VALENCIA

14 • 17 SEPTIEMBRE 2026

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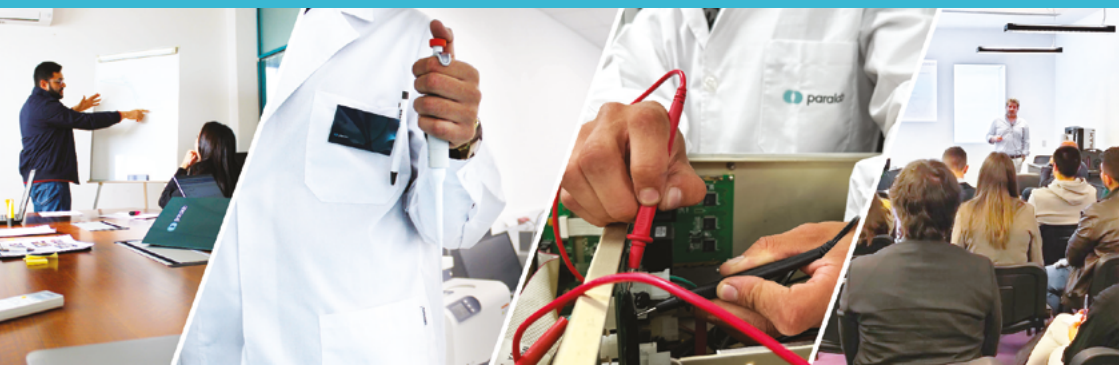


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WELCOME

Dear friends and colleagues,

We are pleased to invite you to participate in the XVIII Conference of the **Specialized Group on Polymers (GEP)** of the **Spanish Royal Society of Chemistry (RSEQ)** and the **Spanish Royal Spanish Society of Physics (RSEF)**. This event, held every two years, brings together the scientific community dedicated to polymer research and will take place in Valencia from September 14 to 17, 2026.

GEP2026 presents a unique opportunity to explore the latest advances in polymer science, share ideas, and foster new collaborations with colleagues from across Spain and beyond. We are also honored to welcome prestigious guest researchers from international institutions, who will contribute to an exciting and dynamic scientific program.

The conference will be hosted at the “Fundación Bancaja”, a cultural center that will provide an inspiring environment for discussion, exchange, and networking. Valencia, with its Mediterranean charm and cultural richness, will provide the perfect backdrop for this eighteenth edition. We hope you will enjoy not only the congress and the science, but also the city and the company of your peers.

We are also delighted to offer a social program that promises to be as enriching as the scientific one, showcasing the best of Valencian hospitality, cuisine, and cultural life. We will do everything within our reach to ensure that GEP2026 exceeds your expectations.

We look forward to seeing you in Valencia!

Warm regards,

The Organizing Committee

The Organizing Committee of the XVIII Congress of
the Specialized Group on Polymers

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Francisco Javier Vilaplana Domingo (*Kungliga Tekniska Högskolan, Suecia*)

Katharina Landfester (*Max Planck Institute for Polymer Research, Alemania*)

M^a Rosa Aguilar de Armas (*ICTP-CSIC*)



PLENNARY SPEAKERS



» **Prof. Jose M. Lagaron**

Novel Materials and Nanotechnology Lab, Spanish Council for Scientific Research (CSIC)

Presentation Title: Biocomposites, Biomultilayers and Biopapers of Application Interest in Multisectorial Applications.



» **Dave Haddleton**

The University of Warwick, UK

Presentation Title: "Polymerisation in flow and with in line GPC and NMR monitoring"



» **Raquel Verdejo**

Instituto de Tecnología y Ciencia de Polimeros, CSIC, Spain

Presentation Title: "Working toward the polymers of 2050"



» **Mariano Campoy Quiles**

Instituto de Ciencia de Materiales de Barcelona, CSIC, Spain

Presentation Title: "Marrying Polymer Solar Cells and Different Applications"



» **M^a Jose Alonso Fernandez**

Universidad de Santiago de Compostela, Spain

Presentation Title: "Assembling Biomaterials and complex biological drugs: clues in translational approaches"

KEYNOTE SPEAKERS



» **Marina P. Arrieta Dillon**

UPM, España



» **Francisco Vilaplana**

KTH Royal Institute of Technology, Suecia



» **Rebeca Hernandez Velasco**

ICTP-CSIC, España



» **Aaliyah Z. Dookhith**

Columbia University, Estados Unidos



» **Erlantz Lizundia**

EHU, España



» **Otávio Bianchi**

UFRGS, Brasil



» **Maurice N Collins**

University of Limerick, Irlanda



» **M^a Rosa Aguilar de Armas**

ICTP-CSIC, Spain

TOPICS

- » Polymer synthesis, characterization, theory, and simulation
- » Rheology, processing and additive manufacturing for polymers and composite materials
- » Polymer recycling, biobased and biodegradable polymers, circular economy and sustainability
- » Polymers for energy applications and the environment
- » Polymers for biomedical applications
- » Polymers for advanced applications and intelligent materials

GEP 2026

VALENCIA

14 • 17 SEPTIEMBRE 2026





TIMETABLE

Time	Sep 14 (Monday)		Sep 15 (Tuesday)		Sep 16 (Wednesday)		Sep 17 (Thursday)	
	Salón de actos	Sala Ausias March	Salón de actos	Sala Ausias March	Salón de actos	Sala Ausias March	Salón de actos	Sala Ausias March
8:00	Registration							
8:45	Opening 08:45-09:00							
chair	Clara Gómez		Mario Culebras		Mariano Campoy		Rafael Muñoz	
9:00	PL1 José María Lagarón		PL3 Mariano Campoy Quiles		KN6-Maurice N Collins		PL5 Raquel Verdejo	
9:20					KN7-B41-Otávio Bianchi			
9:40	KN1 Aaliyah Z Dookhith		KN3 Francisco Vilaplana		KN8 Marina Arrieta		KN9 María Rosa Aguilar	
chair	Leire Ruiz		M ^a Rosa Aguilar		Mariano Campoy		Rafael Muñoz	
10:00			ORL 30	Aliyah Dookhith	ORL 60	ORL 64	ORL 89	
10:15	ORL 2	ORL 6	ORL 31	ORL 35	ORL 61	ORL 65	ORL 90	
10:30	ORL 3	O-29	ORL 32	ORL 36	ORL 62	ORL 66	ORL 91	
10:45	ORL 4	ORL8	ORL 33	ORL 37	ORL 63	ORL 67	ORL 92	

Time	Sep 14 (Monday)		Sep 15 (Tuesday)		Sep 16 (Wednesday)		Sep 17 (Thursday)	
	Salón de actos	Sala Ausiàs March	Salón de actos	Sala Ausiàs March	Salón de actos	Sala Ausiàs March	Salón de actos	Sala Ausiàs March
11:00	Coffee		Coffee		Coffee		Coffee	
chair	Laura Peponi	Dave Haddleton	Marina Arrieta	Erlantz Lizundia	Jaime Martín	Fran Vilaplana	José Badia	
11:30	ORL 9	ORL 16	ORL 38	ORL 45	ORL 68	ORL 75	ORL 93	
11:45	ORL 10	ORL 17	ORL 39	ORL 46	ORL 69	ORL 76	ORL 94	
12:00	ORL 11	ORL 18	ORL 40	ORL 47	ORL 70	ORL 77	ORL 95	
12:15	ORL 12	ORL 19	ORL 41	ORL 48	ORL 71	ORL 78	ORL 96	
12:30	ORL 13	ORL 20	ORL 42	ORL 49	ORL 72	ORL 79	ORL 97	
12:45	ORL 14	ORL 21	ORL 43	ORL 50	ORL 73	ORL 80		
13:00	ORL 15	ORL 98	ORL 44	ORL 51		ORL 81	Closing	
13:15	Flash Session F1 - F5		Flash Session F11 - F15	Flash Session F16 - F20	Flash Session F22 - F227			



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	Salón de actos	Sala Ausiàs March	Salón de actos	Sala Ausiàs March	Salón de actos	Sala Ausiàs March		
13:35	Lunch		Lunch		Lunch			
chair	JM Lagaron		Saul Vallejo	Amparo Chafer	Maurice Collins			
15:00	PL2 Dave Haddleton		ORL 52	ORL 56	PL4 Ma José Alonso Fernández			
15:15			ORL 53	ORL 57				
15:30			ORL 54	ORL 58				
15:40	KN2 Rebeca Hernandez		ORL 55	ORL 59	Groupal photo			
15:45								
16:00			Main Hall: Special Awards Ceremony GEP					
chair	JM Lagaron		Carmen Mijangos		Maurice Collins	Mario Culebras		
16:05	ORL 22		KN04 Erlantz Lizundia KN05 Mario Culebras		ORL 82	ORL 86		
16:15	ORL 23				ORL 83	ORL 87		
16:30	ORL 24				ORL 84		ORL 01	
16:40								
17:00	ORL 25		Award-winning thesis lecture Jose Fernando Rubio		ORL 88			

Time		Sep 14 (Monday)		Sep 15 (Tuesday)		Sep 16 (Wednesday)	
		Salón de actos	Sala Ausias March	Salón de actos	Sala Ausias March	Salón de actos	Sala Ausias March
17:00		Coffee		Coffee			
chair		Concepción Valenciana					
17:30		ORL 26		GEP General Assembly		Poster and Coffee with horchata	
17:45		ORL 27					
17:55		ORL 28					
18:00		O-07					
18:15							
18:30							
18:45							
19:00				City sightseeing tour			
20:00		>Welcome reception at the botanical garden				20.45 Gala Dinner	



PROGRAM

MONDAY, SEPTEMBER 14

08:00 REGISTRATION

08:45-09:00 WELCOME & OPENING

09:00-09:40 PLENARY

Salón de Actos

PL-01 Biocomposites, Biomultilayers and Biopapers of Application Interest in Multisectorial Applications

Jose M. Lagaron

Novel Materials and Nanotechnology Lab. Spanish Council for Scientific Research (CSIC)

09:40-10:00 KEYNOTE

Salón de Actos

KN-01 Improving The Mechanical Recycling Of Polyolefins Using Intrinsically Dynamic Polymers

Aaliyah Z Dookhith

Columbia University, New York, United States

10:15-11:00 ORAL SESSION 01

Salón de Actos

O-02 Hydroponic Polyurethane Foams Produced From Chemical Upcycled PET Waste As Sustainable Crop Substrates

María Dolores De Dios Caputto¹, Rodrigo Navarro Crespo¹, Asier Goñi Urtiaga², Cristina Gómez Ruano², Marco Panettieri², Juan López Valentin¹, Ángel Marcos-Fernández¹

1. Institute of Polymer Science and Technology (ICTP-CSIC), Madrid, Spain

2. Institute of Agricultural Sciences (ICA-CSIC), Madrid, Spain

O-03 Lipoic Acid-Based Latexes: Transforming Acrylic Coatings Into On-Demand Degradable Terpolymers For Substrate Recycling

Amirhossein Enayati, Aitor Barquero

POLYMAT and Department of Applied Chemistry, Faculty of Chemistry, University of Basque Country (UPV/EHU), Donostia-San Sebastián, Spain

O-04 Polymer Nanoparticles Functionalized With Organic And Organometallic Ligands For Heterogeneous Catalysis

Inés Adam-Cervera, Alberto Llopis-Lacruz, María González-Bejar, Francisco F. Pérez-Pla, Rafael Muñoz-Espí

Universitat de València, València, Spain

10:15-11:00 ORAL SESSION 02

Sala Ausiàs March

O-06 Cyclic (Hyper) Branched Polyglycerols As A Modular Platform For Unimolecular Nanomaterials: From Nanogels To Nanocarriers And Sensors

Eric Gómez Urreizti¹, Paula Malo De Molina², Reidar Lund³, Fabienne Barroso Bujans¹

1. Donostia International Physics Center, Donostia - San Sebastian, Spain

2. Materials Physics Center, Donostia - San Sebastian, Spain

3. University of Oslo, Oslo, Norway

O-87 Microwave Susceptors For The Stabilisation Of Polyacrylonitrile Precursor Fibres

Natalia Cárdenas¹, Rahul Samyal², Kataryzna Malycha³, Anne Beaucamp², Maurice Collins², Rafael Muñoz-Espí⁴, Clara Gomez⁴, Mario Culebras⁴

1. Institute of Materials Science of University of Valencia ICMUV, Valencia, Spain

2. University of Limerick, Limerick, Ireland

3. Institute of Materials Science of University of Valencia (ICMUV), Valencia, Spain

4. Institute of Materials Science of University of Valencia, Valencia, Spain

O-08 Rational Design Of Super-Soft Polyurethane Formulations

Laura Diñeiro, Daniel Marcos Ríos, Juan Lopez Valentin, Angel Marcos Fernandez

Inst. de Ciencia y Tecnología de Polimeros (CSIC), Madrid, Spain

11:00-11:30 COFFEE BREAK + POSTERS SESSION

11:30-13:15 ORAL SESSION 03

Salón de Actos

O-09 Potential of seaweed residues for sustainable material development

Amparo Lopez-Rubio¹, Hylenne Bojorges¹, Vera Cebrian-Lloret², Eugenia Nuñez¹, Marta Martínez-Sanz², Maria Jose Fabra¹

1. IATA-CSIC, Paterna (Valencia), Spain

2. CIAL-CSIC, Madrid, Spain

O-10 Modification Strategies For PHA-Based Systems: Plasticized PHB And P(3HB-Co-4HB) With Mesoporous SBA-15 Silica

Cristina Pintón Riesgo, María Luisa Cerrada, Enrique Blázquez Blázquez

Instituto de Ciencia y Tecnología de Polímeros (ICTP-CSIC), Madrid, Spain

O-11 Valorization Of End-Of-Life Wind Turbine Blade Residues In Masonry Mortars

Álvaro Urbaneja-Miguel¹, Verónica Carpintero¹, Miriam Trigo-López², Cintia Virumbrales², Saúl Vallejos²

1. Departamento de Construcciones Arquitectónicas e Ingeniería de la Construcción y del Terreno, Escuela Politécnica Superior, Universidad de Burgos, Burgos, Spain

2. Departamento de Química, Facultad de Ciencias, Universidad de Burgos, Burgos, Spain



O-12 Bio-Based Hypercrosslinked Polymers (HCPs) Derived From Cinnamaldehyde With Potential Application In Fruit Preservation

Eva M Maya, Elena Caulin, Angela Benito, Berta Gómez-Lor

Instituto de Ciencia de Materiales de Madrid, Cantoblanco, Madrid, Spain

O-13 From Biopolymers To Electrospun Bionanoelastomers: Creating Sustainable Elastomeric Materials Without Vulcanization

Ana Kramar¹, Mattia Grumi^{1,2}, Cristina Prieto¹, Estefania Sánchez-Safont³, Luis Cabedo³, Jose Maria Lagarón¹

1. Novel Materials and Nanotechnology Group Institute of Agrochemistry and Food Technology (IATA) CSIC, Paterna, Spain

2. Food Science Technology and Management PhD program Universitat Politècnica de València, Valencia, Spain

3. Polymers and Advanced Materials Group (PIMA) Universitat Jaume I (UJI), Castellon, Spain

O-14 Valorization Of Lignocellulosic Forestry Biomass Into Functional Acrylic Polymers As Surfactants For Emulsion Polymerization

Alba Tirado, Adrian Moreno, Gerard Lligadas, Marina Galià, Juan Carlos Ronda

Universitat Rovira i Virgili, Tarragona, Spain

O-15 Valorization Of Textile Waste Into Sustainable Resins For Additive Manufacturing

Alberto Sanz De Leon, Mirko Maturi

Universidad de Cádiz, Cádiz, Spain

11:30-13:15 ORAL SESSION 04

Sala Ausiàs March

O-16 Preliminary Studies On The Mechanochemical Synthesis Of Bio-Based Heteroaromatic Polyesters

Elizabeth Coromoto Rangel Rangel, Cristina Martinez García, Dulce Muñoz Subtil

Fundación Tecnológica Advantx (FUNDITEC), Madrid, Spain

O-17 Understanding Polymer Chain Reorganization In CO₂-Conditioned PEI: Lasting Effects And Impact On The Mechanical Properties

Victoria Bernardo^{1,2}, Félix Lizalde-Arroyo^{3,2}, Frederik Van Loock⁴, Miguel Ángel Rodríguez-Pérez^{3,2}, Judith Martin-De Leon^{3,2}

1. Cellular Materials Laboratory (CellMat), Valladolid, Spain

2. BioEcoUVA Research Institute at Bioeconomy, Valladolid, Spain

3. Cellular Materials Laboratory (CellMat), University of Valladolid, Valladolid, Spain

4. Department of Mechanical Engineering, Processing and Performance of Materials, TU Eindhoven, Eindhoven, The Netherlands

O-98 Development Of Lignin-Based Nanoparticles For Catalytic Applications

Alberto Llopis Lacruz, Leila M. Tatay Huesca, Francisco F. Pérez Pla, Mario Culebras Rubio, Rafael Muñoz Espí

Institute of Materials Science of the University of Valencia (ICMUV), Valencia, Spain

O-18 Curable And Printable Methacrylated Xylan Hydrogels For Biomaterial Applications

Zahra Kharat, Fernanda Zamboni, Maurice Collins

University of Limerick, Limerick, Ireland

O-19 Starch-Based Nanoparticles As Iodine-Binding Additives For Hydrogel Thermogalvanic Systems

Katarzyna Malycha, Mario Culebras Rubio

University of Valencia, Valencia, Spain

O-20 Microfluidic-Assisted Synthesis Of Monodisperse PLGA Microspheres For Drug Encapsulation: Overcoming The Limitations Of Conventional Emulsion-Solvent Evaporation Methods

Elena Santos-Villa, Juan Carlos Gómez-Blanco, Tiago Miguel Cardoso-Castro, Vanesa Lucas, David Patrocinio, José Blas Pagador, Francisco Miguel Sánchez-Margallo

Jesus Usón Minimally Invasive Surgery Centre, Cáceres, Spain

O-21 Biobased Antimicrobial Copolymers Bearing Triazolium And Thiazolium Groups With Tunable Bioactivity And Antioxidant Properties

Alexandra Muñoz Bonilla, Alejandro Funes, Marta Fernández-García

Instituto de Ciencia y Tecnología de Polímeros (ICTP-CSIC), Madrid, Spain

13:15-13:30 FLASH SESSION 01

Salón de Actos

F-01 Effect of Nanocellulose on the Performance of Plasticized PLA-PHB Biodegradable Films

Jaume Sempere-Torregrosa -, María Del Puig Vicente Viñas, Emilio Rayón -, M^a Dolores Samper.

Instituto de Tecnología de Materiales (ITM)-Universitat Politècnica de València (UPV), Spain, Valencia, Spain

F-02 Natural-Based Electrospun Membranes For Health Applications

Giovana Baptista Genci¹, Elisângela Düsman², Filomena Barreiro¹, Arantazu Santamaria-Echart^{1,3}

¹ CIMO, LA SusTEC, Instituto Politécnico de Bragança, Campus de Santa Apolónia, Bragança, Portugal, Bragança, Portugal

² Laboratório de Biotecnologia e Ecotoxicologia, Universidade Tecnológica Federal do Paraná, Francisco Beltrão, Brasil, Francisco Beltrão, Brazil

³ Group 'Materials + Technologies', Department of Chemical and Environmental Engineering, Faculty of Engineering of Gipuzkoa, University of the Basque Country UPV/EHU, Plaza Europa 1, 20018, Donostia-San Sebastian, Spain, Donostia - San Sebastián, Spain



F-03 Fully Biocompatible Hydrogel-Based Sodium Ion Batteries For Implantable Biomedical Devices

Rosha Yazdanimoghaddam^{1,2}, Elaine Armelin^{1,2}, Carlos Alemán^{1,2,3}, Sonia Lanzalaco^{1,2}

1. IMEM-BRT Group, Department of Chemical Engineering, Universitat Politècnica de Catalunya, Barcelona, Spain

2. Barcelona Research Center in Multiscale Science and Engineering (CCEM), Barcelona, Spain

3. Institute for Bioengineering of Catalonia (IBEC), The Barcelona Institute of Science and Technology, Barcelona, Spain

F-04 Experimental Determination Of The Critical Ratio In Dual-Curing Thiol-Epoxy-Iso-cyanate Vitrimers For Reversible Adhesives

Javier Gonzalo Valverde-Bastidas¹, Silvia De La Flor¹, Xavier Fernández-Francos²

1. Universitat Rovira i Virgili, Tarragona, Spain

2. Universitat Politècnica de Catalunya, Barcelona, Spain

F-05 Development And Modeling Of Gentamicin-Loaded Chitosan-cellulose Microparticles For Controlled Drug Delivery

Maria C. Arango, Josep Pasqual Cerisuelo, Oscar Gil-Castell, Karen Gutiérrez-Silva, Alejandro Gálvez-Subiela, Gorka Marco-Velasco, Félix Montero-Rocca, Amparo Cháfer

Universitat de València, Valencia, Spain

13:30 - 15:00 LUNCH

15:00-15:40 PLENARY

Salón de Actos

PL-02 Polymerisation in flow and with in line GPC and NMR monitoring

Dave Haddleton

The University of Warwick, UK

15:00-15:40 KEYNOTE

Salón de Actos

KN-02 Biobased Hydrogels: 3D Extrusion Printing, Cryostructuration And Advanced Functionalities For Biomedical And Environmental Applications

Rebeca Hernández

Instituto de Ciencia y Tecnología de Polímeros (CSIC), Madrid, Spain

16:00-17:00 ORAL SESSION 05

Salón de Actos

O-22 Evolution Of Interfacial Kinetics In Multilayer Miscible PEEK/PEI Blends

Sebastián Andrés Toro¹, Álvaro Navarrete¹, Juan Pedro Fernández-Blázquez², Álvaro Ridruejo³

1. University of Santiago, Chile, Santiago, Chile

2. IMDEA Materials, Getafe, Spain

3. Universidad Politécnica de Madrid, Madrid, Spain

O-23 Valorization Of Seaweed Deposits Into Of Composite Materials For Additive Manufacturing

M^a Del Carmen Garcia Laynez

University of Cádiz, Cádiz, Spain

O-24 Design And Characterization Of Hybrid Hydrogel Architectures Based On Agarose And Functional Copolymers

Roberto Grosso, Fátima Díaz-Carrasco, M.-Violante De-Paz, Nikola Grus, M. Gracia García-Martín, Elena Benito

Universidad de Sevilla, Seville, Spain

O-25 In Situ Microfibrillation Of PBSA/PLA Blends: Effect Of Draw Ratio On Morphology And Mechanical Performance

Johan Esteban Garcia, Itxaso Calafel, Itziar Otaegi, Gonzalo Guerrica-Echevarria, Nora Aranburu

Universidad del País Vasco, Donostia-San Sebastian, Spain

17:00 - 17:30 COFFEE

17:30-18:30 ORAL SESSION 06

Salón de Actos

O-26 Microwave Assisted Stabilization And Layer By Layer Surface Engineering Of PAN Fibres For Enhanced Fibre Matrix Interfacial Performance.

Hafiz Sharjeel Ahmed, Anne Beaucamp McLoughlin, Maurice Collins

University of Limerick, Limerick, Ireland

O-27 Internal catalysis in dynamic covalent polymeric materials and beyond: from self-healing hydrogels to adaptive DNA-polymer hybrids

Jesús Del Barrio, Silvia Hernández, Luis Oriol, María Sofia Navarrete, Lara Adwan

Instituto de Nanociencia y Materiales de Aragón, Zaragoza, Spain

O-28 Bio-Based Pyrone-Pyrrole Esters As Coupling Agents For Carbon Black: Rheological Benefits And Reduced Rolling Resistance In Elastomeric Composites

Daniele Brighenti, Federica Magaletti, Adelina Vukelaj, Vincenzina Barbera, Maurizio Galimberti

Politecnico di Milano, Milano, Italy

O-07 Técnicas Reológicas Avanzadas (OWCh) En La Caracterización De Polímeros

Carlos Alberto Gracia Fernández

TA INSTRUMENTS (WATERS CROMATOGRAFIA), La Coruña, Spain

20:00 WELCOME RECEPTION AT THE BOTANICAL GARDEN



TUESDAY, SEPTEMBER 15

09:00-09:40 PLENARY

Salón de Actos

PL-03 Marrying Polymer Solar Cells And Different Applications

Mariano Campoy Quiles

ICMAB-CSIC, Bellaterra, Spain

09:40-10:00 KEYNOTE

Salón de Actos

KN-03 Enzymatic Functionalisation Of Polysaccharide-Based Soft Materials For Biomedical And Nutritional Applications

Francisco Vilaplana

KTH Royal Institute of Technology, Stockholm, Sweden

10:00-11:00 ORAL SESSION 07

Salón de Actos

O-30 Quantitative Structural Characterization Of Advanced Semiconducting Polymers

Jaime Martin, Alberto Peinador, Xabier Rodriguez, Jorge Olmedo, Jesika Asatryan

UDC, Ferrol, Spain

O-31 Sustainable Lignin-Based Electrodes For Advanced Multifunctional Energy Applications

Muhammad Muddasar¹, Maurice Collins¹, Mario Culebras Rubio²

1. University of Limerick, Limerick, Ireland

2. University of Valencia, Valencia, Spain

O-32 Lignin-Alginate Hybrid Hydrogels For Sustainable Ionic Thermoelectric Energy Harvesting

Nazish Jabeen¹, Dan Zhao², Clara M Gómez¹, Maurice N. Collins³, Rafael Muñoz-Espí¹, Mario Culebras Rubio¹

1. Institute of Material Science (ICMUV), University of Valencia, PO Box 22085, 46071, Valencia, Spain

2. Laboratory of Organic Electronics, Department of Science and Technology, Linköping University, SE-601 74, Norrköping, Sweden

3. Stokes Laboratories, School of Engineering, Bernal Institute, University of Limerick, Limerick, Ireland

O-33 Polymer Nanoparticles As Platforms For Three-Dimensional Confinement: Enabling The Tailoring Of Functional Properties Through Fundamental Understanding

Aitana Hurtado-Mendoza, Esther Rebollar, Aurora Nogales

CSIC, Madrid, Spain

10:00-11:00 ORAL SESSION 08

Sala Ausiàs March

O-35 High-Pressure Batch Foaming Of Acrylated Epoxidized Soybean Oil (AESO) For The Production Of Bio-Based Thermoset Foams

Yisel Pérez-Milian, Ana Isabel Quilez-Molina, Miguel Angel Rodriguez-Perez, Victoria Bernardo

University of Valladolid, Valladolid, Spain

O-36 Assessing Nanocellulose Dispersion And Barrier Properties In Waterborne Acrylic Coatings

Jordi Solera-Sendra¹, Nicholas Ballard², Luis Javier Del Valle¹, Lourdes Franco¹

1. Universitat Politècnica de Catalunya, Barcelona, Spain

2. Universidad del País Vasco, San Sebastián, Spain

O-37 Biodegradable Plastic Products To Alleviate Environmental Burdens In Forest Expansion

Birch Teodosio¹, Anne Beaucamp¹, Ke Gong², Amin Abbasi², Guangming Yan², Yuanyuan Chen², Maurice N Collins^{1,3,4}

1. School of Engineering, Bernal Institute, University of Limerick, Ireland, Castletroy, Ireland

2. PRISM Research Institute (Polymer, Recycling, Industrial, Sustainability and Manufacturing Engineering), Technological University of the Shannon, University Road, N37HD68, Athlone, Ireland

3. Research Ireland Centre for Bioeconomy (BiOrbic), Castletroy, Ireland

4. Research Ireland Centre for Advanced Materials and Bioengineering Research (AMBER), University of Limerick, Castletroy, Ireland

17:00 - 17:30 COFFEE

11:30-13:15 ORAL SESSION 09

Salón de Actos

O-38 Strain-Gradient Engineering In Open-Cell Polar Elastomeric Foams For Flexible Energy Harvesting

Emil López-Hernández¹, Flavio Lenin Cálix Meléndez², Raquel Verdejo¹, Miguel A. López-Manchado¹

1. Instituto de Ciencia y Tecnología de Polímeros (ICTP-CSIC), Madrid, Spain

2. Universidad Carlos III de Madrid (UC3M), Leganés, Spain

O-39 Investigating The Liquid-To-Solid Transition Of Photovoltaic Polymers Via In Situ Blade Coating And Synchrotron Grazing-Incidence Wide Angle X-Ray Scattering Experiments

Xabier Rodríguez-Martínez

Universidade da Coruña, Ferrol, Spain



O-40 Elastocaloric Guayule-Based Natural Rubber: Toward Sustainable Solid-State Cooling Materials

Andona Dimitrova¹, Amaya Zalacain², Manuel Carmona², Maria Lluïsa MasPOCH¹, Nicolas Candau¹

1. Universitat Politècnica de Catalunya, Barcelona, Spain

2. Universidad de Castilla-La Mancha, Albacete, Spain

O-41 Investigating The Intrinsic Thermal Stability Of High-Performing Organic Photovoltaic D18-Based Active Layers.

Alberto Peinador Veiga, Marián Prada-Cortés, Xabier Rodríguez-Martínez, Jaime Martín
Universidade da Coruña, Ferrol, Spain

O-42 Functional Cellulose Separators For Sustainable Energy Storage

Clemente Rodríguez-Gómez, María Hernández-Rivas, Aránzazu Martínez-Gómez, Nuria García, Pilar Tiemblo

Institute of Polymer Science and Technology (ICTP-CSIC), Madrid, Spain

O-43 Polymer Membranes Fabrication And Performance For Decarbonisation Technologies

José David Badia Valiente, Félix Montero-Rocca, Alejandro Gálvez-Subiela, Gorka Marco-Velasco, Oscar Gil-Castell, Amparo Chafer, Vicente Martínez-Soria, Marta Izquierdo
Universitat de València, Burjassot, Spain

O-44 DAFO-Based PIMs With Tailored Molecular Architecture For Enhanced Gas Separation

Javier Laguna-Humayor¹, Leonardo Sandin-Mazzondo¹, Jesús M. Martínez-Ilarduya¹, Ángel Lozano^{1,2}, Bibiana Comesaña-Gándara¹

1. IU CINQUIMA, Universidad de Valladolid, Valladolid, Spain

2. ICTP-CSIC, Madrid, Spain

11:30-13:15 ORAL SESSION 10

Sala Ausiàs March

O-45 High-Performance Molded Pulp Structures Enabled By Cellulose Nanofibers And Functional Coating Approaches

Pilar Albaladejo

ITENE, Paterna, Spain

O-46 MWCNT-Modified PLA/PBSA Blends: Enhanced Processability And Electrical Conductivity For Sustainable Packaging Films

Iosu Burgaña¹, Shafi Alam¹, Ainara Sangroniz¹, Víctor Sebastián², Alba González¹, Lourdes Irusta¹, Itxaso Calafel¹, Gonzalo Guerrica-Echevarría¹, Itziar Otaegi¹, Nora Aranburu¹

1. POLYMAT & Department of Advanced Polymers and Materials: Physics, Chemistry and Technology, Faculty of Chemistry, University of the Basque Country (EHU), San Sebastián, Spain

2. School of Engineering and Architecture (EINA), University of Zaragoza, Campus Río Ebro, Edificio I+d+i, Zaragoza, Spain

O-47 Strategies For The Modulation Of Biodegradation Kinetics In Biopolymers

Luis Cabedo Cabedo Mas^{1,2}, Anna Marín¹, Anna Jáuregui Esteve¹, Pau Ródenas¹, Neus Sanmartín², Amelia Hueso², Estefanía Sánchez Safont¹, José Gámez-Pérez^{1,2}

1. Universitat Jaume I, Castelló, Spain

2. CEBIMAT LAB S.L., Castelló, Spain

O-48 Solvolysis Of PA6 Fishing Nets Using Hydrophobic Protic Ionic Liquids: A Pathway To Marine Plastic Valorization

Maria C. Arango, Karen Gutiérrez-Silva, Miquel Peñarrocha, Gorka Marco-Velasco, Alejandro Gálvez-Subiela, Oscar Gil-Castell, Jose D. Badia, Amparo Chafer

University of Valencia, Burjassot, Spain

O-49 Design Strategies For Advanced PHA-Based Food Packaging Systems

Estefanía Lidón Sánchez Safont¹, José Gámez Pérez¹, Ignacio Pisa Ripoll¹, Elisabetta Borseileca², Cinzia Pezzella², Sergio Torres Giner³, José María Lagarón⁴, Luis Cabedo Mas¹

1. Universitat Jaume I, Castelló, Spain

2. University of Naples Federico II, Naples, Italy

3. Universitat Politècnica de València, Valencia, Spain

4. Institute of Agrochemistry and Food Technology (IATA), Valencia, Spain

O-50 Oragnocatalyzed Polyacetal Formation Using Catalytic Acid:Base Complexes

Gabriela Pinheiro¹, Gabriel Perli², Haritz Sardon³, Marta Ximenis³

1. POLYMAT, University of the Basque Country UPV/EHU, Donostia-San Sebastian, Spain

2. University of Campinas, UNICAMP, Campinas, Brazil

3. POLYMAT, University of the Basque Country UPV/EHU, Donostia- San Sebastián, Spain

O-51 Turning Sugar-Derived Isohexides Into 3D-Printable Thiol-Yne Networks

Julia Sanchez, Arianna Brandolese, Andrew Peter Dove

University of Birmingham, Birmingham, United Kingdom

13:15-13:30 FLASH SESSION 2

Salón de Actos

F-11 Chemical Surface Modification Of Automotive Sector Polymers For Enhanced Adhesion Properties

Asier De Santos Larrañaga¹, Guillem Seychal², Iñigo Calvo³, Haritz Sardon¹

1. EHU/UPV, San Sebastian, Spain

2. Polymat, San Sebastian, Spain

3. Oribay, San Sebastian, Spain

F-12 An Integrated Robotic-Machine Learning Platform For Optimization Of Layer-By-Layer Biopolymer Thin Films

Alex Mascaraque-León^{1,2}, Sabina Lachowicz-Wisniewska¹, Juan Pedro Fernández-Blázquez¹, Rebeca Hernández³, Maciej Haranczyk¹

1. IMDEA Materials Institute, Madrid, Spain

2. Universidad Politécnica de Madrid (UPM), Madrid, Spain

3. Instituto de Ciencia y Tecnología de Polímeros (ICTP-CSIC), Madrid, Spain



F-13 Tailoring PVDF Biointerfaces Through Fmoc-Diphenylalanine Self-Assembly

Borja Serrano-Bellido¹, Raul Almonacid-Fernandez¹, Alejandro J. Müller^{2,3}, Miryam Criado-Gonzalez¹

1. Institute of Polymer Science and Technology (ICTP-CSIC), Madrid, Spain

2. POLYMAT and Department of Polymers and Advanced Materials, University of the Basque Country (UPV/EHU), Donostia-San Sebastián, Spain

3. IKERBASQUE, Basque Foundation for Science, Bilbao, Spain

F-14 Semi-Automated Preparation And Characterization Of Chitosan-Genipin Hydrogels For Reproducible Biofabrication Workflows

Almudena Corcho¹, Rebeca Hernandez¹, Maciej Haranczyk²

1. ICTP-CSIC, Madrid, Spain

2. IMDEA Materials, Getafe, Spain

F-15 Reactivity Analysis Of Urea, Urethane, And Thiourethane Derivatives Using Computational And Experimental Methods

Silvia García Ulloa¹, Mikel Irigoyen Urtasun¹, Jon Mattin Matxain Beraza², Haritz Sardón Muguruza³

1. POLYMAT(UPV/EHU)-DIPC, San Sebastián, Spain

2. DIPC(UPV/EHU), San Sebastián, Spain

3. POLYMAT(UPV/EHU), San Sebastián, Spain

13:15-13:30 FLASH SESSION 3

Sala Ausiàs March

F-16 Sustainable 3D-Printable Biocomposites: Compatibilizing Post-Consumer Cotton Waste With Neat And Photocrosslinkable PLA Without Coupling Agents

Antoni Pagès Llobet¹, Fernando Julián¹, Francesc Espinach¹, Helena Oliver Ortega², José Alberto Méndez¹

1. Universitat de Girona, Girona, Spain

2. Universitat Politècnica de Catalunya, Terrassa, Spain

F-17 Valorization Of Polymeric And Agroforestry Residues And By-Products (Biomass) For The Development Of Materials Used In Sports Surfaces

Ester López Moya, Víctor Daniel Ortiz Miranda, Rocío Castillo Martín, Moisés Mingüez Sánchez-Redondo, Raúl Moreno Martínez, Carlos Morales Huete, Pablo Delgado Fernández, María Del Carmen Fernández Martín

IGOID-SPORTEC, Toledo, Spain

F-18 Synthesis Of Triblock Copolymers Exploiting RAFT Polymerization In Aqueous Media For Tunable Drug Delivery

Rubén Adán-Gracia^{1,2}, Miriam Abad^{1,2}, Manuel Arruebo^{1,3}, Milagros Piñol^{1,2}, Luis Oriol^{1,2}

1. Instituto de Nanociencia y Materiales de Aragón (INMA), CSIC-Universidad de Zaragoza, Zaragoza, Spain

2. Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Zaragoza, Zaragoza, Spain

3. Departamento de Ingeniería Química y Tecnologías del Medio Ambiente, Facultad de Ciencias, Universidad de Zaragoza, Zaragoza, Spain

F-19 Carbon Nanofibers Derived From Lignin For Energy Storage Applications

Celia Carrascosa Bayo, Mario Culebras Rubio, Nicolás Menéndez Stabile

University of Valencia, Valencia, Spain

F-20 Complex Coacervation Of Oppositely Charged Biopolymers For The Encapsulation Of Fragrances And Functional Compounds

Joana M. C. Fernandes¹, Andreia A. S. Alves², Andreia P. M. Fernandes³, Filipe E. Antunes², César A. Henriques¹

1. EcoXperience, Penela, Portugal

2. Science 351, Penela, Portugal

3. Mistolin Company, Vagos, Portugal

13:30 - 15:00 LUNCH

15:00-16:00 ORAL SESSION 11

Salón de Actos

O-52 Evaluación De La Iniciación De Fractura En Compuestos Sostenibles De NR/GTR Mediante El Análisis De Su Respuesta Elastocalórica

Joan Becerra-Prieto^{1,2,3}, Baptiste Berruet^{1,2,3}, Marco A. Estrada^{1,2,3}, Leandro Martinez-Orozco^{1,2,3}, Tobias Abt^{1,2,3}, Javier Gómez-Monterde^{1,2,3}, Orlando Santana Pérez^{1,2,3}

1. Dep. de Ciència i Enginyeria de Materials, eb-POLICOM-e-PLASCOM, Escola d'Enginyeria de Barcelona Est (EEBE), Universitat Politècnica de Catalunya, BarcelonaTech (UPC), Av. Eduard Maristany 16, 08019 Barcelona, Spain

2. Centre Català del Plàstic (CCP-UPC), C/Colom 114, Terrassa, 08022, Spain

3. Barcelona Research Center in Multiscale Science and Engineering (OCeM), Universitat Politècnica de Catalunya, Av. Eduard Maristany 10-14, 08019 Barcelona, Spain

O-53 From Processable Precursors To Ultra-Stable Polymeric Architectures

Manuel Alonso-Devesa^{1,2}, Monica Rosa De La Viuda^{1,2}, Francisco Javier Carmona^{1,2}, Laura Palacio^{1,2}, Pedro Prádanos^{1,2}, Antonio Hernández^{1,2}, Alberto Tena^{1,2}

1. Surfaces and Porous Materials (SMAP), Associated Research Unit to CSIC, University of Valladolid, Valladolid, Spain

2. Institute of Sustainable Processes, University of Valladolid, Valladolid, Spain

O-54 Real-Time Tracking Of Sol-Gel Transitions And Hydrogel Swelling Using Magnetoelastic Sensors

Malavika Shaji¹, Irati Tapon¹, Jose Luis Vilas-Vilela^{1,2}, Andoni Lasheras¹, Leyre Perez-Alvarez¹, Ana Catarina Lopes¹

1. University of the Basque Country, Leioa, Spain

2. BCMaterials-Basque Center for Materials, Leioa, Spain

3. Applications and Nanostructures



O-55 Deep Learning Para La Caracterización Microestructural De Polímeros Microespumados Y Materiales Compuestos

Hernando Chacón-Pantoja^{1,2,3}, Javier Gómez-Monterde^{1,2,3}, Noel León^{1,2,3}, Rose Mary Michell^{1,2,3}, Miguel Sánchez-Soto^{1,2,3}, M. Lluisa Maspoch^{1,2,3}

1. Departament de Ciència i Enginyeria de Materials (CEM), eb-POLICOM-e-PLASCOM, Escola d'Enginyeria de Barcelona Est (EEBE), Universitat Politècnica de Catalunya, BarcelonaTech (UPC), Av. Eduard Maristany 16, 08019, Barcelona, Spain

2. Barcelona Research Center in Multiscale Science and Engineering (CCEM), Universitat Politècnica de Catalunya, Av. Eduard Maristany 10-14, 08019, Barcelona, Spain

3. Centre Català del Plàstic (CCP-UPO), C/Colom 114, 08222, Terrassa, Spain

15:00-16:00 ORAL SESSION 12

Sala Ausiàs March

O-57 Smart Polymer-Driven Liquid Crystal Colloids For Adaptive Photonics And Biosensing

Mauricio Vera-Arévalo^{1,2}, Alberto Concellón^{1,2}

1. Instituto de Nanociencia y Materiales de Aragón (INMA), CSIC-Universidad de Zaragoza, Zaragoza, Spain

2. Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Zaragoza, Zaragoza, Spain

O-58 Morphology-Based Performance Improvement Of Waterborne Pressure-Sensitive Adhesives

Marc Frederic Malter, Itxaso Calafel, Mercedes Fernández, Jose Ramon Leiza, María Paulis POLYMAT, Donostia-San Sebastián, Spain

O-59 Bio-Derived Photo-Responsive Triblock Adhesives For PE/PA Multilayer Packaging

Alejandro Sáez-Pérez¹, Miriam Trigo-López², Sául Vallejos², Miguel Ángel Rodríguez-Pérez¹, Karina C. Núñez Carrero¹

1. Cellular Materials Laboratory (CellMat) Univesidad de Valladolid, Valladolid, Spain

2. Polymers, Univesidad de Burgos, Burgos, Spain

16:00 - 16:20 KEYNOTE

Salón de Actos

KN-04 Exploiting Biobased Polymers For Sustainable Water Remediation And Cultural Heritage Conservation

Erlantz Lizundia

University of the Basque Country (EHU), Bilbao, Spain

16:20 - 16:40 KEYNOTE

Salón de Actos

KN-05 From Conducting Polymers to Lignin: A Journey Towards Sustainable Energy Materials

Mario Culebras Rubio

University of Valencia, Spain

16:40-17:00 AWARD-WINNING THESIS LECTURE

Production of lignin nanofibers by electrospinning for incorporation as a multifunctional ingredient in new biodegradable lubricating grease formulations

José Fernando Rubio

Salón de Actos

17:00 - 17:30 COFFEE

17:30 - 18:30 GEP GENERAL ASSAMBLY

Salón de Actos

19:00 City sightseeing tour



WEDNESDAY, SEPTEMBER 16

09:00-09:20 KEYNOTE

Salón de Actos

KN-06 Sustainable Lignin Derived Materials For Advanced Applications In Composites, Energy, Biomedical Systems And Sensing

Maurice N Collins

University of Limerick, Limerick, Ireland

09:20-09:40 KEYNOTE

Salón de Actos

KN-07 Integrating Solubility Theory, Thermodynamics, And Molecular Dynamics For Predicting Polymer–Plasticizer Compatibility

Otávio Bianchi

Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil

09:40-10:00 KEYNOTE

Salón de Actos

KN-08 Valorization Of HoReCa Waste For The Development Of Active Mechanically Reprocessed PLA Films

Marina Arrieta

Universidad Politécnica de Madrid, Madrid, Spain

10:00-11:00 ORAL SESSION 13

Salón de Actos

O-60 Towards The Development Of An Optoelectronic Polymeric Platform For Electroactive Tissue Stimulation

Aleksandra Serafin¹, Iva Grujić², Adam Creamer², Maurice N Collins¹, Molly Stevens²

1. University of Limerick, Limerick, Ireland

2. University of Oxford, Oxford, United Kingdom

O-61 Micellar Hydrogels Processed By 3D Printing From Stimuli-Responsive Amphiphilic Block Copolymers

Miriam Abad^{1,2}, Manuel Arruebo^{1,3}, Eva Blasco⁴, Víctor Sebastián^{1,3}, Luis Oriol^{1,2}, Milagros Piñol^{1,2}

1. Instituto de Nanociencia y Materiales de Aragón (INMA), CSIC-Universidad de Zaragoza, Zaragoza, Spain

2. Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Zaragoza, Zaragoza, Spain

3. Department of Chemical Engineering and Environmental Technology, Universidad de Zaragoza, Zaragoza, Spain

4. Institute for Molecular Systems Engineering and Advanced Materials, Heidelberg University, Heidelberg, Germany

O-62 Revalorization Of Lignin For Selective Biosensing Applications

Judith Miralda-Jalle¹, Mario Culebras Rubio², Maurice Collins¹

1. University of Limerick, Limerick, Ireland

2. Universitat de Valencia, Valencia, Spain

O-63 Linear-Dendritic Polymeric Nanoparticles For Improved Fluorescence Liquid Biopsy In Pancreatic Ductal Adenocarcinoma Detection

María Val-Carreres¹, Luis Oriol¹, Teresa Sierra¹, Olga Abián², Oscar Sánchez-Gracia², David Ortega², Giuliana Morabito²

1. Instituto de Nanociencia y Materiales de Aragón (INMA), CSIC-Universidad de Zaragoza, Facultad de Ciencias, Zaragoza 50009, Spain. Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Zaragoza, 50009 Zaragoza, Spain, Zaragoza, Spain

2. Institute of Biocomputation and Physics of Complex Systems (BIFI), Universidad de Zaragoza, Zaragoza 50018, Spain; Instituto de Investigación Sanitaria Aragón (IIS Aragón), 50009 Zaragoza, Spain; Centro de Investigación Biomédica en Red en el Área Temática de Enfermedades Hepáticas y Digestivas (CIBERehd), 28029 Madrid, Spain; Departamento de Bioquímica y Biología Molecular y Celular, Universidad de Zaragoza, 50009 Zaragoza, Spain, Zaragoza, Spain

10:00-11:00 ORAL SESSION 14

Sala Ausiàs March

O-64 Toward The Development Of Sustainable Shape Memory BioPolyurethane Fibers For Smart Textiles

Leire Ruiz Rubio^{1,2}, José Manuel Laza¹, Oihane Llorente³, Guillermo Ormazabal³, Lien Van Der Schueren⁴, Estibaliz Hernaez¹, José Luis Vilas Vilela¹, Miren Blanco³

1. Universidad del País Vasco, Leioa, Spain

2. BCMaterials, Leioa, Spain

3. Tekniker, Eibar, Spain

4. Centexbel, Gent, Belgium

O-65 Dynamic Phenyllogous Anhydride Networks: Looking At Transesterification From A Different Perspective

Adrià Roig, Filip Du Prez

Ghent University, Ghent, Belgium

O-66 PTI SusPlast+: Advancing Polymer Sustainability Through Interdisciplinary Infrastructure And Collaborative Innovation

Maria Jose-Fabra^{1,2}, Luis Rojo^{1,3}

1. PTI Plásticos sostenibles para una economía circular (SusPlast+), CSIC, Madrid, Spain

2. Instituto de Agroquímica y Tecnología de Alimentos (IATA), CSIC, Valencia, Spain

3. Instituto de Ciencia y Tecnología de Polímeros, ICTP-CSIC, Madrid, Spain



O-67 Impact Of Polyamides On Lignin/TPU Blends For Sustainable Carbon Fiber Precursors

Muhammad Tahir Khan, Anne Beaucamp McLoughlin, Maurice N Collins

University of Limerick, Limerick, Ireland

11:00 - 11:30 COFFEE

11:30-13:15 ORAL SESSION 15

Salón de Actos

O-68 Functionalized Polymeric Nanoparticles For The Non-Lytic Treatment Of Streptococcus Pneumoniae Infections

Luis García Fernández, María Rosa Aguilar De Armas

Instituto de Ciencia y Tecnología de Polímeros (ICTP), CSIC, Madrid, Spain

O-69 Hybrid Hydrogels Of Chitosan And Oxidized Hyaluronic Acid With Self-Healing And Extrusion Based 3D-Printability

Leyre Pérez-álvarez, Ane García-García, Estibaliz Hernández-Laviña, Ana Catarina Lopes,

Leire Ruiz-Rubio, José Luis Vilas-Vilela

Euskal Herriko Unibertsitatea, Leioa, Spain

O-70 Antimicrobial And Antioxidant PLA Fibers Reinforced With Cationically Modified Cellulose Via Melt Electrowriting

Coro Echeverría¹, Carolina Muñoz-Nuñez¹, Rosa Barranco-García¹, Mercedes Fernández², Alexandra Muñoz-Bonilla¹, Marta Fernández-García¹

1. Instituto de Ciencia y Tecnología de Polímeros, Madrid, Spain

2. Polymat - University of the Basque Country, Donostia - San Sebastian, Spain

O-71 Development Of Stimuli-Responsive Polymer Inks For Bacterial Infection Monitoring

Ana María M. Mateo¹, Francesca Perin¹, Clara García-Astrain^{1,2}

1. POLYMAT and Department of Applied Chemistry, Faculty of Chemistry, University of the Basque Country (UPV/EHU), Donostia-San Sebastián, Spain

2. Ikerbasque Basque Foundation for Science, Bilbao, Spain

O-72 Porphyrin-Functionalized PMVEMA Nanofibers As A Local Drug Delivery Platform For Combined Therapy Against Glioblastoma

Pedro Valentín Badía Hernández¹, Sonia Irles Menaches¹, Paula Del Carmen Sanchez-García¹, Rocío Díaz-Puertas¹, María Losada-Echeberría¹, Sara M. A. Pinto², Mariette M. Pereira², Pilar García-Morales¹, Ricardo Mallavia Marín¹

1. Instituto de Investigación en Biotecnología y Salud de la UMH, Elche, Spain

2. Departamento de Química, Universidad de Coimbra, Coimbra, Portugal

O-73 Advanced Characterization And Turnkey Solutions For Polymer Systems: Practical Insights And Application-Driven Approaches

Sara Monasterio¹, L. Spencer¹, J. Carvalheira^{1,2}, M. Mota², R. Soares^{1,2}

1 Paralab SL, Barcelona, Spain

2 Paralab SA, Gondomar, Portugal

11:30-13:15 ORAL SESSION 16

Sala Ausiàs March

O-75 KERATIN-BASED HYDROGEL SYSTEMS FOR EXTRUSION-PRINTED POROUS SORBENT SCAFFOLDS

Chloé Pascouau¹, Jorge Mercado Rico¹, Antonio Capezza², Rebeca Hernandez Velasco¹

1. Instituto de Ciencia y Tecnología de Polímeros (ICTP-CSIC), Madrid, Spain

2. KTH Royal Institute of Technology, Stockholm, Sweden

O-76 Effect of abiotic pretreatment on the biotic degradation of PBAT/TPS blends under aerobic conditions

Karen Dayana Gutiérrez Silva¹, María Camila Arango Sánchez¹, Gorka Marco Velasco¹, Félix Eduardo Montero Rocca¹, Alejandro Galvez Subiela¹, Anna Masek², Oscar Gil Castell¹, Jose David Badia Valiente¹

1. Research Group in Materials Technology and Sustainability (MATS). Department of Chemical Engineering, School of Engineering, University of Valencia, Valencia, Spain

2. Research Group for the Analysis of Aging, Degradation, and Stabilization Processes of Polymer Materials and the Design and Study of Polymer Biocomposites from Renewable Resources. Institute of Polymer and Dye Technology, Faculty of Chemistry, Lodz University of Technology, Lodz, Poland

O-77 From Advanced Characterization To Automated Monitoring: Understanding Property Evolution In PLA Materials.

Juan Pedro Fernández Blázquez¹, Cristina Pascual González²

1. IMDEA Materials Institute, Getafe, Spain

2. Instituto de Ciencia de Materiales de Madrid (ICMM), Madrid, Spain

O-78 Reprocessable Covalent Adaptable Networks Via Transamidation And Imine Metathesis Exchanges

Tommaso Telatin, Thijs Van Casteren, Silvia De La Flor, Àngels Serra, Xavier Montané
Universitat Rovira i Virgili, Tarragona, Spain

O-79 Photoswitchable Reversible Hydrogels Based On Merocyanine–Spiropyran Photoacids

Marta Ximenis¹, Giulia Vozzolo¹, Piet Swinkels², Andreas Walther², Haritz Sardon¹

1. POLYMAT / University of the Basque Country, Donostia, Spain

2. Life-Like Materials and Systems, Department of Chemistry, University of Mainz, Mainz, Germany

O-80 Assessing The Environmental Benefits Of Microwave-Assisted Carbon Fibre Production Using Bio-Based Susceptors

Anne Beaucamp

University of Limerick, Limerick, Ireland



O-81 Microwave-Assisted Carbonization Of PAN Fibers Using Lignin Based Carbon As A Susceptor Coating

Rahul Samyal, Judith Miralda Jalle, Anne Beaucamp McLoughlin, Maurice N Collins

University of Limerick, Limerick, Ireland

13:15-13:30 FLASH SESSION 5

Salón de Actos

F-22 New Synthesis Pathways Of Sustainable Polyurethanes With Barrier Properties

Akshaya Maria Prasad¹, Ainara Sangroniz¹, Maite Guillem Parra², Haritz Sardon¹

1. POLYMAT, UPV/EHU, San Sebastian, Spain

2. Cromogenia-Units, SA, Barcelona, Spain

F-23 Kraft Lignin Addition To Cross-Linked Poly(Vinyl Alcohol)/Chitosan Composites Membranes As Electrolytes

Mark Henning Wolf¹, Hector Ruben Robles Jimarez¹, Jalel Labidi², Amparo Ribes Greus¹

1. Universitat Politècnica de València, Valencia, Spain

2. Universidad del País Vasco, San Sebastián, Spain

F-24 Estudio De La Transición Polímero-Coloide En Dispersiones Coloidales De Microgeles

Georgiana Larisa Sbera Bardan¹, Carlos Fernández-Clavero¹, Isabel Quijada², Francisco Mendicuti¹, Carlos Pecharrromán³, Gema Marcelo¹

1. Departamento de Química Analítica, Química Física e Ingeniería Química e Instituto de Investigación Química "Andrés del Río", 28805 Alcalá De Henares, Spain

2. Instituto de Ciencia y Tecnología de polímeros (ICTP), Consejo Superior de Investigaciones Científicas (CSIC), C/ Juan De La Cierva 3, 28006 Madrid, Spain

3. Instituto de Ciencia de Materiales de Madrid (ICMM), Consejo Superior de Investigaciones Científicas (CSIC), C/ Sor Juana Inés De La Cruz, 3, 28049 Madrid, Spain

F-25 Biocatalytic PEEK: A Reusable, High-Performance Polymer For Enzyme Immobilization

Carlos Andres Martinez Bonilla¹, Joelle N Pelletier¹, Gregory De Crezenso², Benoît Libereille², Nick Virgilio²

1. Universite de Montreal, Montreal, Canada

2. Polytechnique Montréal, Montreal, Canada

F-26 Design Of High Performance Mixed Matrix Polymeric Membranes For Energy Efficient Gas Separation

Paolo Zhan¹, Ángel Emilio Lozano¹, Cristina Álvarez¹, Bibiana Comesaña-Gándara²

1. Grupo de Policondensación y Membranas Poliméricas, Departamento de Química Macromolecular, Instituto de Ciencia y Tecnología de Polímeros (ICTP-CSIC), Juan De La Cierva 3, 28006 Madrid, Spain

2. Grupo Cristales Líquidos y Nuevos Materiales, Departamento de Química Inorgánica, Instituto Universitario CINQUIMA, Facultad de Ciencias, Universidad de Valladolid, Paseo Belén 7, 47011 Valladolid, Spain

F-27 SEAr-Based Polymeric Materials For Separation Applications

Olmo R. Presa, Paolo Zhan, Cristina Alvarez, Angel Emilio Lozano

Department of Applied Macromolecular Chemistry, Instituto de Ciencia y Tecnología de Polímeros,

ICTP-CSIC, Madrid, Spain

13:30 - 15:00 LUNCH

15:00-15:40 PLENARY

Salón de Actos

PL-04 Assembling Biomaterials and Complex Biological Drugs: Clues in Translational Approaches

M^a Jose Alonso Fernandez

Universidad de Santiago de Compostela, Spain

15:40-16:00 GROUP PHOTO

16:00-17:00 ORAL SESSION 17

Salón de Actos

O-82 Lignin-Derived Porous Carbon Materials For Energy Storage Applications.

Julieta Cantarella Otero^{1,2}

1. University of Limerick, Limerick, Ireland

2. Universidad de Valencia, Valencia, Spain

O-83 Heat Storage In Polymer Coatings For Passive Thermal Regulation

Luis Fernando Jiménez-Hernández, Inés Adam-Cervera, Clara M. Gómez, Mario Culebras, Rafael Muñoz-Espí

Universitat de Valencia, Valencia, Spain

O-84 Sustainable Lignin-Based 3D-Printing Filament For Thermoelectric Additive Manufacturing

Seong Yuen Tong, Mario Culebras Rubio, Clara M. Gómez

Universitat de València, Valencia, Spain

O-85 Advances in DSC Cooling – Performance and Practical Benefits of Built-In Peltier Technology

Martin Pfeiler-Deutschmann¹, Jiri Kislinger²

1. Anton Paar GmbH, Graz, Austria

2. Anton-Paar-Strasse 20, Graz, Austria

16:00-17:00 ORAL SESSION 18

Sala Ausiàs March



O-86 Prevention Of Fusion Of Melt-Spun Lignin Precursor Fibres For Scaled-Up Production Of Carbon Fibres.

Lukas Hartz, Mark Vaughan, Sidharth Amanthra, Maurice Collins

School of Engineering, Bernal Institute, University of Limerick, Limerick, Ireland

O-01 Self-Blowing Isocyanate Free Foams

Haritz Sardon

EHU-POLYMAT, San Sebastian, Spain

O-88 Multifunctional Polymeric Nanofibrous Systems For Biomedical, Environmental, And Agricultural Applications

Javier González-Benito¹, Dania Olmos Díaz¹, Natasa Nikolic¹, Fazila Ashraf^f, Caio M. Souza¹, Vincenzo Vietri², Olga Sacco², Vincenzo Vaiano², Eliton S. Medeiros³, Marija Vukomanovic⁴

1. Universidad Carlos III de Madrid, Leganés, Spain

2. University of Salerno, Fisciano, Italy

3. Universidade Federal da Paraíba, Joao Pessoa, Brazil

4. Jozef Stefan Institute, Ljubljana, Slovenia

O-98 Valorization Of Lignin From Agricultural Residues As A Versatile Biopolymer For Sustainable Materials

Jose Huerta-Recasens, Natalia Cárdenas-Vargas, Clara M. Gómez, Mario Culebras*, Rafael Muñoz-Espi*

Universitat de València, València, Spain

16:00-17:00 ROUND TABLE

Salón de Actos

Specialized Training and Employability in the Plastics Industry

José Maria Lagaron

Arantxa Viñals

Cristina Martín

Luis Cabedo Mas

Serafin García Navarro

18:00 - 19:00 POSTER SESSION AND COFFEE WITH HORCHATA

Hall Ausiàs March

PO-01 Chitin Nanocrystals As Functional Additives In Waterborne Acrylic Coatings

Lourdes Franco¹, Jordi Solera-Sendra¹, Nicholas Ballard², Guillem Ferreres¹, Luis Javier Del Valle¹

1. Universitat Politècnica de Catalunya, Barcelona, Spain

2. Universidad del País Vasco, San Sebastián, Spain

PO-02 Catalyst Dependence In Polythiourethane Covalent Adaptable Networks Studied By Broadband Dielectric

Borja Pascual-Jose¹, Roberto Teruel-Juanes¹, Claudia Ausina-Soler¹, Silvia de La Flor², Àngels Serra², AMPARO Ribes- Greus¹

1. Universitat Politècnica de València, València, Spain

2. Universitat Rovira i Virgili, Tarragona, Spain

PO-03 Structure-Property Relationships In Electrospun Cellulose Acetate-Ceramic Nanocomposites For Lubricant Applications

Concepción Valencia, Manuel Toro-Gallego, María Del Carmen Sánchez, José Enrique Martín-Alfonso, José María Franco

University of Huelva, Huelva, Spain

PO-04 Hybrid Lignin Nanoparticles With Organophosphorus Crosslinking Agents With Enhanced Flame-Retardant Performance

Selena De La Caridad Díaz, Juan Carlos Ronda, Marina Galià, Gerard Lligadas, Adrian Moreno

Universitat Rovira i Virgili, Departament de Química Analítica i Química Orgànica, Laboratory of Sustainable Polymers, Tarragona, Spain

PO-05 Insights Into The Ultrafast Isothermal Crystallization Of Semiconductive Polymers For Photovoltaics.

Francisco Blanco Vázquez, Josep Tent Pérez, Alberto Peinador Veiga, Jorge Luis Olmedo Martínez, Matteo Sanviti, Jaime Martín Pérez

Universidade da Coruña, Ferrol, Spain

PO-06 Smart Polymeric Sensors For Early Detection Applications In Agriculture Within The POMATO Project

Saúl Vallejos, Ana Arnaiz, Miriam Trigo-López, Cintia Virumbrales, Celia Espino-Revilla

University of Burgos, Burgos, Spain

PO-07 Nanoparticles Based On Triblock Poly(Ether-Ester)S Derived From Poly(1,3-Tri-methylene Glycol) And L-/DL-Lactide

Eduard Carles Zamora, Ernesto Tinajero Díaz, Abdelilah Alla, Montserrat García Alvarez, Jordi J. Bou, Antxon Martinez De Ilarduya

Universitat Politècnica de Catalunya, Barcelona, Spain

PO-08 Renewable Eugenol-Derived Multiphenolic Thermoresponsive Copolymers As Luminescent Hybrid Nanosensors.

Thalia Plaza-Santos, Alejandro Funes, Marta Fernández-García, Alexandra Muñoz-Bonilla, Isabel Quijada-Garrido, Olga García

Instituto de Ciencia y Tecnología de Polímeros (ICTP-CSIC), Madrid, Spain



PO-09 Synthesis And Catalytic Application Of Lignin-Based Magnetic Nanoparticles

Leila Mei Tatay-Huesca, Alberto Llopis-Lacruz, Francisco Pérez-Pla, Mario Culebras-Rubio, Rafael Muñoz-Espí

Institut de Ciència dels Materials (ICMUV), Universitat de València, Paterna, Spain

PO-10 Development Of Antimicrobial Polymeric Nanoplatfoms Based On PMVEMA-Ac And PEO-BSA Loaded With Metal Nanoparticles For Skin Conditions

Paula Del Carmen Sánchez-García¹, Miguel Ángel Pérez Bravo¹, Rocío Díaz Puertas¹, Pedro Valentín Badía Hernández¹, Amalia Mira Carrió², Ricardo Mallavia Marín¹

1. Institute for Research in Biotechnology and Health (IDiBE) of the Miguel Hernandez University (UMH), Elx, Spain

2. Universidad Europea de Valencia, Alicante, Spain

PO-11 Estudio De Compuestos De Elastómeros Tiol-Eno Vitriméricos Con Resinas Epoxi, Mediante Técnicas De Análisis Térmico.

Frida Román, Ferran Rodríguez, Yolanda Calventus, Xavier Fernández

Universitat Politècnica de Catalunya, Terrassa-Barcelona, Spain

PO-12 Improved Selectively In Cellulose Acetate-Based Membrane For CO₂ Capture Via Crosslinking With Amino-Functionalized Calix[4]Arene

Muhammad Azeem

Technological University of the Shannon, Athlone, Ireland

PO-13 Enzymatic Synthesis And Characterization Of Polymacrolactones For Biomedical And Pharmaceutical Applications

Sanae El Ghacham¹, Abdelilah Alla², Jordi J. Bou², Badredine Souhail¹, Abdelmonaim Az-zouz¹, Antxon Martinez De Ilarduya²

1. Department of Chemistry, Abdelmalek Essaâdi University, Tetuan, Morocco

2. Departament d'Enginyeria Química, Universitat Politècnica de Catalunya, Barcelona, Spain

PO-14 Towards An Integrated Biorefinery For Jatropha Curcas L. Seeds: Valorization Of Seed Coat Into Biopolymers And Cellulose Nanofibrils

Raúl Hernández Altamirano¹, Rosana Moriana Torró², Jorge Luis Hurtado Rocha²

1. Instituto Politécnico Nacional, Ciudad De México, Mexico

2. Universidad de Valencia, Valencia, Spain

PO-15 Biodegradable Starch/Gelatin Blends As Humidity-Responsive Shape-Memory Materials For Sustainable Packaging.

Laura Peponi¹, Victor Oliver-Cuenca¹, Huihui Zhang¹, Marina P. Arrieta², Daniel López¹

1. ICTP-CSIC, Madrid, Spain

2. ETSII-UPM, Madrid, Spain

PO-16 Orange Waste Valorization For Functional Starch/Gelatin Films Reinforced With Kombucha-Derived Bacterial Cellulose

Victor Oliver-Cuenca¹, Marina P. Arrieta², Daniel López¹, Laura Peponi¹

1. ICTP-CSIC, Madrid, Spain

2. ETSII-UPM, Madrid, Spain

PO-17 Solution Viscosity Characterization Of Sustainable And Biomedical Polymers: A Rapid Method

ALBA Cárdenas¹, TONICA González¹, Felipe Cordero⁻², Alberto Ortín¹, LAURA Santonja-Blasco¹

1. POLYMER CHAR, Paterna, Spain

2. Polymer Characterization, S.A, Paterna, Spain

PO-18 Organobase-Mediated Anionic Ring-Opening Polymerization Of Cyclic Carbamates

Irati Celada Cubero¹, Haritz Sardon², Fernando Vidal²

1. POLYMAT, Donostia, Spain

2. University of the Basque Country, Donostia, Spain

PO-19 New Poly(Imine-Amine) Crosslinkers: Towards Fully Recyclable Epoxy Thermosets

Tommaso Telatin¹, Xavier Fernández- Francos², Sílvia De La Flor¹, Xavier Montané¹, Angels Serra¹

1. Universitat Rovira i Virgili, Tarragona, Spain

2. Universitat Politècnica de Catalunya (ETSEIB), Barcelona, Spain

PO-20 Thermodynamic And Microstructural Insights Into Doped Semiconducting Polymers

Denisse Georgette Dante, Jorge Luis Olmedo Martínez, Josep Tent Perez, Xabier Rodríguez Martínez, Jaime Martín Pérez

Universidade da Coruña, Ferrol, Spain

PO-21 Macrocyclic Musks: From Fragrance Industry To Biomedical Applications

Sanae El Ghacham¹, Abdelilah Alla², Laia Anguera², Montserrat García Álvarez², Badredine Souhail¹, Abdelmonaim Azzouz¹, Ernesto Tinajero², Antxon Martinez De Ilarduya²

1. Department of Chemistry, Faculty of Sciences, Abdelmalek Essaâdi University, Tetuan, Morocco

2. Departament d'Enginyeria Química, Universitat Politècnica de Catalunya, Barcelona, Spain

PO-22 Amino-Yne Click Chemistry For Antibiotic Conjugation And Controlled Release In Dual-Delivery Hydrogels

Luis Oriol^{1,2}, Sara Bescós-Ramo^{1,3}, Cristina Yus¹, Manuel Arruebo¹, Milagros Piñol^{1,3}

1. Instituto de Nanociencia y Materiales de Aragón (INMA), CSIC-Universidad de Zaragoza, Zaragoza, Spain

2. Dpt. Química Orgánica, Facultad de Ciencias, Universidad de Zaragoza, Zaragoza, Spain

3. Dpto. Química Orgánica, Facultad de Ciencias, Universidad de Zaragoza, Zaragoza, Spain



PO-23 Bio-Based Polymeric Coatings For Offshore Applications: From Sustainable Formulation To Long-Term Protection

Estibaliz Hernaez, Yeray Plasencia Cerdeña, Raquel Lopez Robles, Leyre Pérez Álvarez, José Luis Vilas Vilela, Leire Ruiz Rubio

IMACROMAT, Universidad del País Vasco, Leioa, Spain

PO-24 Development and Characterization of Innovative Insect Larval Oil-Infused PLA Fibers via Forcespinning Technology

Gabriel Araujo De Jesus^{1,2,3}, Daniel López García⁴, Adriano Santos Do Nascimento¹, Renata Coelho Rodrigues Noronha²

1. Amazon Oil Laboratory, Institute of Biological Sciences, Federal University of Pará (UFPA), R. Augusto Corrêa 1, Guamá, Belém, PA, 66075-110, Brazil., Guamá, Brazil

2. Genetics and Cellular Biology Laboratory, Center for Advanced Studies of Biodiversity (CEA-BIO),

Institute of Biological Sciences, Federal University of Pará (UFPA), R. Augusto Corrêa 1, Guamá, Belém,

PA, 66075-110, Brazil., Guamá, Brazil

3. Instituto de Ciencia y Tecnología de Polímeros (ICTP-CSIC), Juan de la Cierva 3, 28006 Madrid,

Spain., Madrid, Brazil

4. Instituto de Ciencia y Tecnología de Polímeros (ICTP-CSIC), Juan de la Cierva 3, 28006 Madrid,

Spain., Madrid, Spain

PO-51 Mechanochemical synthesis of reversible antimicrobial-chitosan conjugates for food preservation

Ernest Simó Ramírez, Raquel Heras Mozos, Carolina Lopez De Dicastillo, Rafael Gavara, Pilar Hernández Muñoz

Instituto de Agroquímica y Tecnología de los Alimentos (IATA-CSIC), Paterna, Spain

PO-25 Effect Of Incorporating Recycled-Derived BHET On The Structure-Property Relationship Of Thermoplastic Polyurethanes

Paula Gabriela Garneró Cambi¹, Clara Gómez Clari¹, Andrés Nohales Piqueras², Javier Navas Escrig², Beatriz Muñoz Herrero²

1. Universitat de València, València, Spain

2. UBE Corporation Europe, Castellón, Spain

P-26 Molecular Dynamics Investigation Of Calcium-Mediated Interactions In Alginate-Lignin Polymer Systems

Nicolás Menéndez¹, Andrés Cantarero², Mario Culebras¹

1. Institute of Materials Science (ICMUV), University of Valencia, Paterna, Spain

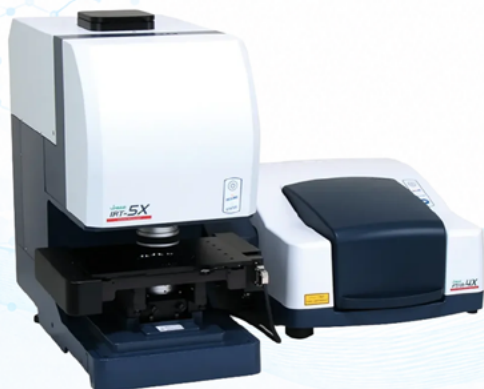
2. Institute of Molecular Science (ICMol), University of Valencia, Paterna, Spain

20:45 GALA DINNER

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THURSDAY, SEPTEMBER 17

09:00-09:40 PLENARY

Salón de Actos

PL-05 Working toward the polymers of 2050

Raquel Verdejo

Instituto de Tecnología y Ciencia de Polimeros, CSIC, Spain

09:40-10:00 KEYNOTE

Salón de Actos

KN-09 Biomaterial-Based Strategies for Redox Regulation and Inflammation Control

Pedro Luis Echevarria, Raquel Palao-Suay, Daniel Domingo, Luis García-Fernández, Luis Rojo, María Rosa Aguilar

Institute of Polymer Science and Technology, ICTP-CSIC, Madrid, Spain

10:00-11:00 ORAL SESSION 19

Salón de Actos

O-89 A Statistical AFM Nanoindentation Approach For Reliable Nanomechanical Characterization Of Polymer Thin Films In Organic Solar Cells

María De Los Ángeles Prada-Cortés¹, Alberto Peinador Veiga¹, Agnieszka Tercjak², Junkal Gutiérrez Cáceres², Jaime Martín Pérez¹

1. Campus Industrial de Ferrol - Universidade da Coruña, Ferrol, Spain

2. Facultad de Ingeniería de Gipuzkoa - Universidad del País Vasco, Donostia, Spain

O-90 Mixed Ionic Electronic Conducting Polymers Based On PEDOT:PSS And Protic Organic Ionic Plastic Crystals

Paula García Foronda¹, Ilaria Abdel Aziz¹, Agnieszka Tercjak², Nerea Casado^{1,3}

1. POLYMAT, Donosti/san Sebastián, Spain

2. UPV/EHU, Donosti/san Sebastián, Spain

3. IKERBASQUE, Bilbao, Spain

O-91 Click-To-Actuate: Amino-Yne Chemistry For Multi-Responsive Liquid Crystal Elastomers As Soft Actuators

Sara Bescós-Ramo^{1,2}, Marco Turriani³, Camilla Parmeggiani^{3,4}, Milagros Piñol^{1,2}, Luis Oriol^{1,2}, Daniele Martella^{3,4}

1. Instituto de Nanociencia y Materiales de Aragón (INMA), CSIC-Universidad de Zaragoza, Zaragoza, Spain

2. Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Zaragoza, Zaragoza, Spain

3. European Laboratory for Non-Linear Spectroscopy (LENS), Sesto Fiorentino, Italy

4. Department of Chemistry "Ugo Schiff", University of Florence, Sesto Fiorentino, Italy

O-92 Naked-Eye Detection Of Bacterial Pathogens Using Smart Chromogenic Polymers With Tuneable Surface Morphologies

Celia Espino Revilla, Ana Arnaiz, Beatriz Melero, Miriam Trigo Lopez, Aránzazu Mendia, Dalia De La Fuente Vivas, María Emilia Iñigo Martínez, Laura Gómez Cuadrado, Saturnino Ibeas, Saúl Vallejos

Universidad de Burgos, Burgos, Spain

11:00 11:30 COFFEE

11:30-12:40 ORAL SESSION 20

Salón de Actos

O-93 Dual-Cured Isocyanate-Thiol-Epoxy Structural Adhesives With Tunable Network Topology And Thermally Activated Debonding

Silvia De La Flor¹, Pere Hidalgo¹, Àngels Serra¹, Xavier Fernández-Francos², Javier Gonzalo Valverde-Bastidas¹, Adrià Roig³

1. Universitat Rovira i Virgili, Tarragona, Spain

2. Universitat Politècnica de Catalunya, Barcelona, Spain

3. Ghent University, Ghent, Belgium

O-94 Thermoresponsive Luminescent Polymeric Nanoassemblies With Curcumin And Their Silver Hybrid Nanoclusters.

Thalia Plaza-Santos, Nicolás Granada-Montoya, Isabel Quijada-Garrido, Olga García

Instituto de Ciencia y Tecnología de Polímeros (ICTP-CSIC), Madrid, Spain

O-95 Developing Next Generation Sustainable Packaging Materials

Ainara Sangroniz

POLYMAT, University of the Basque Country, Donostia, Spain

O-96 Order From Disorder: Accelerating Crystallization In Biobased Polyesters

Leire Sangroniz

POLYMAT, San Sebastian, Spain

O-97 A New Class Of Covalent Hybrid Polymers From MOP-Derived Monomers

Elena San José¹, Mónica De La Viuda¹, Arnau Carné², F.Javier Carmona¹, Laura Palacio¹, Pedro Pradanos¹, Antonio Hernández¹, Alberto Tena¹

1. SMAP, University of Valladolid, Paseo Belén 7, E-47011, Valladolid, Spain

2. Departament de Química, Facultat de Ciències, Universitat Autònoma de Barcelona (UAB), Cerdanyola del Vallès, Barcelona, Spain

12:40 - 13:00 CLOSING



GENERAL INFORMATION

ORGANIZES

Grupo Especializado de Polímeros GEP - Real Sociedad Española de Química R.S.E.Q. - Real Sociedad Española de Física R.S.E.F.



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- Texturómetros
- Analizadores de contenido de azufre, nitrógeno y halógenos





SOCIAL EVENTS:

WELCOME RECEPTION

Monday 14 september, 20:00 h

Jardí Botànic, C/ de Quart, 80, Extramurs, 46008 València

TOURIST VISIT

Tuesday 15 september, 19:00 h

19:00 h, Meeting Point, venue: Fundacion bancaja

21.00 h, End of the tour (Town Hall Square)

GALA DINNER

Wednesday, 16 september, 20:45 h

Westin Palace, Carrer d'Amadeu de Savoia, 16, El Pla del Real, 46010 València

INFORMATION FOR THE VENUE SPEAKERS' INFORMATION PREPARATION ·

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BEST PRESENTATION AWARDS - GEP 2026

Aiming to recognize research excellence, encourage the work of early-career scientists, and promote quality in congress presentations, the Organizing Committee of the XVIII Meeting of the Specialized Polymer Group (GEP 2026), in collaboration with Wiley & Sons and El Corte Inglés, acting as Technical Secretariat of the Congress, hereby announces the call for the Best Presentation Awards.

A total of 6 awards will be granted, divided into two main categories:

1. CATEGORY “FLASH PRESENTATION + POSTER”

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Awards aimed at recognizing the quality of presentations in the combined format (Flash + poster presentation), valuing scientific rigor, synthesis capacity, and clarity of oral presentation:

- 1st Prize: €250 El Corte Inglés Gift Card.
- 1st Runner-up (Accésit): €125 El Corte Inglés Gift Card.
- 2nd Runner-up (Accésit): €125 El Corte Inglés Gift Card.

2. CATEGORY “POSTER PRESENTATION”

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The publisher Wiley & Sons will award 3 independent prizes of €100 each to highlight research quality, methodological clarity, and visual impact of communications presented in the poster session. Each award will be sponsored by one of its prestigious specialized journals:

- Journal of Polymer Science Award: €100 (Gift Card).
- Macromolecular Chemistry and Physics Award: €100 (Gift Card).
- Macromolecular Materials and Engineering Award: €100 (Gift Card).

GENERAL INFORMATION AND EVALUATION GUIDELINES

- **Eligibility:** Candidates with an accepted communication presented in the corresponding modality (Flash+Poster or Poster).
- **Evaluation:** The selection will be carried out during the congress by a jury composed of members of the Scientific Committee.
- **Assessment Criteria:** Scientific novelty, methodological clarity, poster visual design, and communication skills.
- **Award Ceremony:** The official announcement and presentation of awards and gift cards will take place during the Closing Ceremony of the Congress.



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