



BIOPOL, Coimbra, 22-24 jul 2024

	Monday July 22nd			Tuesday July 23rd			Wednesday July 24th		
9:00 – 9:40	Registration			IL 2			IL 3		
9:40 – 10:10				KL 2			KL 5		
10:10 – 10:40				KL 3			KL 6		
10:40 – 11:20				Coffee Break & Poster Session 1			Coffee Break & Poster Session 2		
11:20 – 11:40				OC9.A	OC9.B	OC9.C	OC17.A	OC17.B	OC18.C
11:40 – 12:00				OC10.A	OC10.B	OC10.C	OC18.A	OC18.B	OC19.C
12:00 – 12:20	Opening Session			OC11.A	OC11.B	OC11.C	OC19.A	OC19.B	OC20.C
12:20 – 12:40	Opening Lecture – IL 1			OC12.A	OC12.B	OC12.C	Poster Session 2		
12:40 – 13:00				OC13.A	OC13.B	OC13.C			
13:00 – 14:30	Lunch			Lunch			Lunch		
14:30 – 14:50	KL 1			KL 4			OC.20.A	OC20.B	OC21.C
14:50 – 15:00							OC.21.A	OC21.B	OC22.C
15:00 – 15:10	OC1.A	OC1.B	OC1.C	OC14.A	OC14.B	OC14.C	OC22.A	OC22.B	OC23.C
15:10 – 15:20	OC2.A	OC2.B	OC2.C	OC15.A	OC15.B	OC15.C	Closing Lecture - KL 7		
15:20 – 15:30	OC2.A	OC2.B	OC2.C	OC15.A	OC15.B	OC15.C			
15:30 – 15:40	OC2.A	OC2.B	OC2.C	OC15.A	OC15.B	OC15.C	Closure / Biopol 2026 Annoucement		
15:40 – 16:00	OC3.A	OC3.B	OC3.C	OC16.A	OC16.B	OC16.C			
16:00 – 16:20	OC4.A	OC4.B	OC4.C			OC17.C			
16:20 – 17:00	Coffee Break			Coffee Break & Poster Session 1					
17:00 – 17:20	OC5.A	OC5.B	OC5.C						
17:20 – 17:40	OC6.A	OC6.B	OC6.C						
17:40 – 18:00	OC7.A	OC7.B	OC7.C						
18:00 – 18:20	OC8.A	OC8.B	OC8.C						
18:20 – 18:30									
18:30 – 19:45	Guided Tour								
19:30 – 20:00	Porto de Honra			Conference Dinner / Casa das Caldeiras					
20:00 – 20:30									
21:00 – 23:00									
23:00 -				Party after dinner					



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Programme, Monday July 22nd (Morning)

9:00 – 12:00	Registration
12:00 – 12:20	Opening Session
	Chair: Alfonso Jiménez
12:20 – 13:00	Opening Lecture – IL 1: José M. Kenny , <i>Biodegradable polymers, composites and nanocomposites as alternatives to microplastics pollution</i>
13:00 – 14:30	Lunch



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Detailed Scientific Programme, Monday July 22nd (Afternoon)

	Chair: Denise Petri		
14:30 – 15:00	KL 1: Jalel Labidi, <i>Chitin and Chitosan Based Materials</i>		
	Chair: José M. Kenny	Chair: Luc Averous	Chair: Patrizia Cinelli
15:00 – 15:20	OC1.A: Fengwei Xie , <i>Developing chitosan-based electroconductive inks for cost-effective and versatile 3D printing for EMI shielding and strain-sensing applications</i>	OC1.B: Giulia Guidotti , <i>Effect of hydrophilicity and stiffness of a PBCE-based copolymer on stem cells' long term culture</i>	OC1.C: Catarina Fernandes , <i>Synthesis of ecofriendly cationic lignin derivatives for hair cosmetics</i>
15:20 – 15:40	OC2.A: Luis Cabedo , <i>Studying the biodegradation process to improve bioplastics' end-of-life</i>	OC2.B: Antonio J. F. Carvalho , <i>Blends of thermoplastic polysaccharides plasticized with deep eutectic solvents</i>	OC2.C: Mathie Craquelin , <i>Effects of grafted chitosans on the reduction of powdery mildew in wheat</i>
15:40 – 16:00	OC3.A: Antonio Greco , <i>Crystallization kinetics and mechanical properties of PHB plasticized by commercial and cardanol derivatives</i>	OC3.B: Yuya Tachibana , <i>Optical properties and recyclability of polycarbosilane containing bio-based bifuran structure</i>	OC3.C: Gustave Bertier , <i>Abiotic and biotic degradation of PBAT: quantification of generated products by carbon assessment</i>
16:00 – 16:20	OC4.A: Stefano Fiori , <i>Recent developments on the application of oligomers of lactic acid</i>	OC4.B: Cheick Abou Coulibaly , <i>Detection and quantification of biodegradable nano and microplastics in biowaste compost</i>	OC4.C: Beatriz Almeida , <i>Functional properties of hyaluronic acid-like polysaccharide produced by Vibrio sp. Mo245 from glycerol</i>
16:20 – 17:00	Coffee Break		
	Chair: Nadia Lotti	Chair: Luis Cabedo	Chair: Paulo Abreu
17:00 – 17:20	OC5.A: Denise F. S. Petri , <i>Cetyltrimethylammonium bromide coated kapok fibers for the adsorption of Cr(VI) and bisphenol A</i>	OC5.B: Diana C.M. Ribeiro , <i>Biobased lubricant from modified vegetable oil: Impact on tribological properties</i>	OC5.C: Stephane Serrano , <i>High-performance, bio-based, tri-component vitrimer networks based on epoxydized vegetable oils: Control of the network synthesis and morphology</i>
17:20 – 17:40	OC6.A Emmanuelle Gastaldi , <i>Degradation and environmental assessment of compostable packaging mixed with biowaste in full-scale industrial composting conditions</i>	OC6.B: Cristina Mellinas , <i>From problem to solution: Bioadsorbents and plasticisers derived from Rugulopteryx Okamurae</i>	OC6.C: Allison Vercasson , <i>Impact of the individual layers on polymer-coated cardboards properties</i>
17:40 – 18:00	OC7.A Beatriz Agostinho , <i>Greener recycling of future biobased polymer wastes: PEF and PTF case studies</i>	OC7.B: Benedetta Paolino , <i>New antifungal encapsulation systems based on HP-β-cyclodextrin, chitosan and essential oils for conservation of organic-media cultural heritage</i>	OC7.C: Sandra C.C. Nunes , <i>Monte Carlo Simulations for Screening and Optimizing Biopolymer-Based Drug Delivery Systems</i>
18:00 – 18:20	OC8.A: Sébastien Livi , <i>Ionic Liquids versus Deep Eutectic Solvent: A Tunable Platform for the Design of Biopolymer Blends</i>	OC8.B: María José Jiménez , <i>Compostable solutions for food packaging aiming at reducing landfill disposal and food waste</i>	OC8.C: Zhenjiang Li , <i>H-bond donor–Lewis basic anion bifunctional organocatalyst for ring-opening polymerizations</i>



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Detailed Scientific Programme, Tuesday July 23rd (Morning)

Tuesday July 23 rd			
Chair: Ipsita Roy			
9:00 – 9:40	IL 2: João F. Mano , Human-based proteins to engineer a new generation of biomaterials		
9:40 – 10:10	KL 2: Ana C. Fonseca , α -Amino acids based poly(ester amides): a myriad of opportunities in the biomedical field		
10:10 – 10:40	KL 3: Roberto J. Aguado , Nanocellulose as barrier agent, as binder and as carrier for active compounds in paper-based packaging		
10:40 – 11:20	Coffee Break & Poster Session 1		
	Chair: Jalel Labidi	Chair: Debora Puglia	Chair: António Carvalho
11:20 – 11:40	OC9.A: José Gámez-Pérez , <i>Enhancing the Properties of Biodegradable Polymer Blends Through Compatibilization with Reactive Agents</i>	OC9.B: Joana Corrêa Mendes , <i>Brown Seaweed Alginate to Develop p53 Encoding pDNA Nanocarriers for Colorectal Therapy</i>	OC9.C: Pilar Albaladejo , <i>Development of new packaging materials through novel agroindustrial valorization techniques</i>
11:40 – 12:00	OC10.A: Carmen S.R. Freire , <i>Exploiting polysaccharides for the production of sustainable materials for active food packaging</i>	OC10.B: Solange Magalhães , <i>On the development of novel cellulose derivatives for microplastic flocculation</i>	OC10.C: Rafael C. Rebelo , <i>Development of Sustainable Cellulose-based Hydrogels for Agriculture</i>
12:00 – 12:20	OC11.A: Julio Romero , <i>Development of tissue engineering scaffolds based on PLA/PBAT bionanocomposites for bone regeneration using 3D printing coupled with dense CO₂ foaming</i>	OC11.B: Itziar Otaegi , <i>Eggshell powder as potential filler for the manufacture of egg boxes based on PBSA</i>	OC11.C: Ignacio Solaberrieta , <i>Molecularly imprinted polymers for the selective elimination of aloin from aloe vera skin extracts</i>
12:20 – 12:40	OC12.A: Bruno Medronho , <i>Probing cellulose-solvent interactions with self-diffusion NMR: Onium hydroxide concentration and co-solvent effects</i>	OC12.B: Erfan Oliaei , <i>Chemically recyclable cellulosic biocomposites by curing of aliphatic polyester prepolymers</i>	OC12.C: Nora Aranburu , <i>Improving the toughness of PLA using different industrially scalable strategies</i>
12:40 – 13:00	OC13.A: Virginia Venezia , <i>Sustainable Active Food Packaging: Incorporation of Humic Substances into Electrospun Films</i>	OC13.B: Elona Vasili , <i>Processing cellulose by ionic liquid or deep eutectic solvent for potential use in 2D and 3D packaging applications</i>	OC13.C: Laia Posada-Quintero , <i>Standardization of bacterial nanocellulose production from fique by-products</i>
13:00 – 14:30	Lunch		



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Detailed Scientific Programme, Tuesday July 23rd (Afternoon)

Chair: João F. Mano			
14:30 – 15:00	KL 4: Sandra Domenek , <i>Critical Insights into the Barrier Performance of Polylactide (PLA) for Sustainable Packaging Applications</i>		
	Chair: Luis Alves	Chair: Bruno Medronho	Chair: Antonio Greco
15:00 – 15:20	OC14.A: Joe Kerry , <i>Environmentally Friendly Extraction and Characterisation of Pectin from Apple Pomace and Its Validation of Use in Bread Packaging Films</i>	OC14.B: Carlos Javier Pelegrín , <i>Valorization of horchata by-products as precursors for the isolation of cellulose nanocrystals and antioxidant extracts</i>	OC14.C: Cátia S. M. Esteves , <i>Polycaprolactone-Based Shell Materials for Microcapsule Applications</i>
15:20 – 15:30	OC15.A: Antonella Esposito , <i>Critical cooling rate of fast-crystallizing polyesters: The example of poly(alkylene trans-1,4-cyclohexanedicarboxylate)</i>	OC15.B: Elena Gabirondo , <i>Chemical recycling of polyhydroxybutyrate into high-added value β-Hydroxy acid</i>	OC15.C: Simão V. Pandeirada , <i>Exploring Innovative Eutectic Systems for Enhanced Recycling of Polyesters Mixed Waste</i>
15:30 – 15:40			
15:40 – 16:00	OC16.A: Andreia F. Sousa , <i>Sustainable advances in furan-based polymers: From biobased monomers to polymers and recycling</i>	OC16.B: Francisco A.G. Soares Silva , <i>Development of bio-based paper coatings for food packaging applications</i>	OC16.C: Joana F.S. Costa , <i>Synthesis of novel polyesters incorporating an ether containing monomer for enhanced biodegradation in soil and water</i>
16:00 – 16:20			OC17.C: Yaiza Flores , <i>Synthesis of polybutylene succinate using renewable biomass derived monomers</i>
16:20 – 17:20	Coffee Break & Poster Session 1		



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Detailed Scientific Programme, Wednesday July 24th (Morning)

Chair: María Carmen Garrigós			
9:00 – 9:40	IL 3: Ipsita Roy , <i>Sustainable Polymers for Biomedical Engineering: the way forward for a Net Zero Future</i>		
9:40 – 10:10	KL 5: Nadia Lotti , <i>Furan-based polymers: An interesting sustainable solution for food packaging</i>		
10:10 – 10:40	KL 6: Debora Puglia , <i>FURIOUS: Materials, processing and end-of-life opportunities for 2,5-FDCA based polymers</i>		
10:40 – 11:20	Coffee Break & Poster Session 2		
	Chair: Mário Calvete	Chair: Dina Murinho	Chair: Sandra Domenek
11:20 – 11:40	OC17.A: Huixing Cao , <i>Non-isocyanate, Bio-Based Covalent Adaptable Networks based on Polyaspartic esters</i>	OC17.B: Isabel Lopes , <i>Influence of ageing in the ecotoxicity of modified hydroxyethyl cellulose polymers to freshwater biota</i>	OC18.C: Gaël Huet , <i>Alkaline pretreatment to improve food packagings biodegradation in mesophilic anaerobic digestion</i>
11:40 – 12:00	OC18.A: Susana Guzmán-Puyol , <i>Upcycling of potato and tomato pomaces for the fabrication of sustainable metal food packaging</i>	OC18.B: Charlotte Manoha , <i>Effects of sodium sulfite on the rheological behavior of gluten plasticized with glycerol and water</i>	OC19.C: Diana Pacheco , <i>Harnessing Microalgal Polymers for Cutting-Edge Tissue Engineering Applications</i>
12:00 – 12:20	OC19.A: Michelina Soccio , <i>Introduction of bark extracts in furan-based polyester for the realization of sustainable active packaging</i>	OC19.B: Mariana Ribeiro , <i>Hydrogels as promising candidates for the treatment of cutaneous wounds</i>	OC20.C: Vinícius de Paula , <i>Forging sustainable pathways: advancing chemical recycling techniques to address poly(ethylene 2,5-furandicarboxylate) circularity</i>
12:20 – 14:30	Poster Session 2 & Lunch		



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Detailed Scientific Programme, Wednesday July 24th (Afternoon)

	Chair: Roberto Aguado	Chair: Arménio Serra	Chair: Ana Ribeiro
14:30 – 14:50	OC20.A: Patrizia Cinelli , <i>Agro-food by products valorization in active coatings on plastic and cellulose substrates</i>	OC20.B: Pedro Francisco Muñoz-Gimena , <i>Thermoplastic starch from avocado seed flour vs extracted avocado starch: a comparative study</i>	OC21.C: Anna Magri , <i>Active polylactic acid-based films with encapsulated lemongrass essential oil for fresh-cut apples packaging</i>
14:50 – 15:10	OC21.A: Paula S. S. Lacerda , <i>Advancements in the synthesis of furan-based polyesters via ring opening polymerization</i>	OC21.B: Mafalda S. Lima , <i>DOPA based poly(ester amide)s as a new generation of biomimetic surgical adhesives</i>	OC22.C: Nella Galotto-Galotto , <i>A new family of bio-based polyurethanes for cosmetic use</i>
15:10 – 15:30	OC22.A: Giuseppina Luciani , <i>Sustainable Active food-packaging: incorporation of humic substances into electrospun films</i>	OC22.B: Zhou Fang , <i>Accurate Tg prediction by machine learning for accelerating the development of bio-based polyester resins</i>	OC23.C: Francisco J. Rodríguez-Mercado , <i>Development and Evaluation of Eco-Friendly Plastic Films with Nano-TiO₂ for Ethylene Scavenging: Characterization, in vivo Evaluation, and Compostability Analysis</i>
	Chair: Alfonso Jiménez		
15:30 – 16:00	Closing Lecture - KL 7: Luc Averous , <i>Latest developments in renewable polyurethanes for a greener future</i>		
16:00 – 16:20	Closure / BIOPOL 2026 Announcement		



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POSTER SESSION 1 (Tuesday 23rd July 2024)

- P1.1 **JOANA CORRÊA MENDES**, ALGINATE/CHITOSAN NANOCOMPLEXES FOR P53 ENCODING PLASMID DNA DELIVERY
- P2.1 **ALEJANDRA TORRES**, EFFECT OF PROCESSING CONDITIONS ON SUPERCRITICAL FOAMING OF CAFFEIC ACID-LOADED PLA/PBAT BLENDS FOR THE DEVELOPMENT OF SUSTAINABLE MATERIALS
- P3.1 **ALESSANDRO COATTI**, ECODESIGN AND PROCESSABILITY ASSESSMENT OF NOVEL FURAN-BASED BIOPOLYMERS FOR INNOVATIVE APPLICATIONS
- P4.1 **ASMA KHALFI**, VALORISATION OF DATE SEEDS FOR THE PRODUCTION OF OIL-RICH FORMULATIONS BASED ON MALTODEXTRIN AND CASEIN
- P5.1 **ANA C.F. RIBEIRO**, COUPLED DIFFUSION OF SALTS AND SODIUM HYALURONATE IN AQUEOUS SOLUTIONS
- P6.1 **ANSELMO DEL PRADO**, CHEMICALLY FUNCTIONALIZED STARCH AS A MULTIFUNCTIONAL MATERIAL IN BIO-BASED FOOD PACKAGING
- P7.1 **ARONA FIGUEROA PIRES**, EDIBLE FILMS BASED ON SHEEP'S SECOND CHEESE WHEY AND WHEY PROTEIN ISOLATE INCORPORATING OREGANO ESSENTIAL OIL
- P8.1 **G. BERRA**, DYNAMIC CHITOSAN BASED SHELL FOR ALGINATE MICROPARTICLES OBTAINED BY MICROFLUIDICS
- P9.1 **LAURA VIGNAU**, POLY(3-HYDROXYBUTYRATE-CO-3-HYDROXYVALERATE)/CHITOSAN BILAYER MEMBRANE AS MAGNETICALLY RESPONSIVE BIOACTIVE WOUND DRESS
- P10.1 **ARIANNA PALUMBO**, ADVANCEMENTS IN THERMALLY SHAPED POLYMER SUTURES FOR MICROSURGERY: FROM SYNTHESIS TO BIOCOMPATIBILITY
- P11.1 **M.H. WOLF**, CROSS-LINKING OF CHITOSAN-LIGNIN BIOCOMPOSITES FOR FUEL CELL APPLICATIONS
- P12.1 **A. RIBES-GREUS**, STUDY OF POLYVINYL ALCOHOL COMPOSITE MEMBRANES FOR FUEL CELLS
- P13.1 **B. GUEVARA-GUERRERO**, BILAYER FILMS BASED ON PLA AND GELATIN/SODIUM CASEINATE ACTIVATED WITH RUTIN AND CARVACROL IN PICKERING EMULSION.
- P14.1 **B. MEDRONHO**, CHEMICAL CHARACTERIZATION OF LOCUST BEAN GUM (LBG) DERIVATIVES FOR HYDROGEL PRODUCTION
- P15.1 **MARIA C. ARANGO**, OPTIMIZATION OF PHYSICAL-CROSSLINKED SILK SERICIN-BASED MEMBRANE FOR ADVANCED APPLICATIONS
- P16.1 **SIMÓN FABÁ**, PROCESSING OF 3D PRINTED PLA-BASED COMPOSITES FOAMS BY SUPERCRITICAL CO₂ PROCESS FOR SUSTAINABLE FOOD CONTACT MATERIAL
- P17.1 **JOANA JESUS**, EXPLORING THE POTENTIAL OF BACTERIAL CELLULOSE FILMS FROM SCOBY IN GREEN TEA KOMBUCHA
- P18.1 **CÉLIA F. FRIAS**, CROSSLINKED POLY(HYDROXYURETHANE) FILMS FROM BIOBASED CARBONATES: STRUCTURE-PROPERTIES RELATIONSHIPS AND THE INFLUENCE OF MOISTURE IN THE MECHANICAL PROPERTIES
- P19.1 **PAULA MARTÍNEZ-ARJONA**, ANTIOXIDANT -RELEASING SYSTEM BASED ON POST-CONSUMER PLA FROM WATER BOTTLES
- P20.1 **CRISTINA MELLINAS**, DEVELOPMENT OF SMART MATERIALS BASED ON BLOOD ORANGE JUICE, ALGINATE AND LIGNIN NANOPARTICLES
- P21.1 **DANIELA CABAÇA**, NATURAL HAIR COSMETICS: DEVELOPMENT OF HAIR CONDITIONER FORMULATIONS USING LIGNIN FROM ACACIA WOOD
- P22.1 **BEATRIZ TEIXEIRA**, POLYMERIC NANOPARTICLES FOR DRUG DELIVERY: AN IN VITRO STUDY USING BOVINE SERUM ALBUMIN FOR PROSTATE CANCER TREATMENT
- P23.1 **EDOARDO BONDI**, AROMATIC COPOLYESTERS CONTAINING FURAN AND ISOPHTHALIC RINGS FOR VASCULAR APPLICATIONS
- P24.1 **EVA HERNÁNDEZ GARCÍA**, MUSHROOM WASTE BIOMASS UTILIZATION FOR DEVELOPMENT OF SUSTAINABLE FOOD PACKAGING MATERIALS
- P25.1 **EVA MOLL**, MIGRATION OF PHENOLIC COMPOUNDS FROM ACTIVE FILMS BASED ON POLY(3-HYDROXYBUTYRATE-CO-3-HYDROXYVALERATE) (PHBV)
- P26.1 **FERIEL ABID**, DEVELOPMENT OF POLY(ALKYLENE 2,5-FURANDICARBOXYLATE)S VIA RING OPENING POLYMERISATION & THE POLY(HEXYLENE 2,5-FURANDICARBOXYLATE) CASE
- P27.1 **FILIPE MORGADO**, CARDBOARD PACKAGING ENHANCED WITH CHITOSAN AND BEESWAX BIOCOATINGS
- P28.1 **ZIKELI FLORIAN**, WHEAT STRAW LIGNIN AS ACTIVE FILLER IN THERMOPLASTIC STARCH PACKAGING FILMS



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- P29.1 **FRANCO DOMINICI**, EFFECT OF A PHENOLIC-RICH EXTRACT FROM CHESTNUT WASTES (CSW) ON THERMAL, MECHANICAL, ANTIOXIDANT AND ANTIMICROBIAL PROPERTIES OF POLYLACTIC ACID FILMS
- P30.1 **E. SANCHEZ-SAFONT**, DEVELOPMENT OF AN ACTIVE, BIODEGRADABLE MULCH FILM FOR SUSTAINABLE AGRICULTURE
- P31.1 **ROCÍO DÍAZ-PUERTAS**, HIGH PROTEIN CONTENT NANOFIBERS AS NOVEL PLATFORMS FOR ANTIBODY AND ANTIMICROBIAL PEPTIDE LOADING
- P32.1 **GIULIA GUIDOTTI**, RENEWABLE ALIPHATIC/AROMATIC FURAN-BASED COPOLYMERS FOR HIGH-PERFORMANT FOOD PACKAGING
- P33.1 **JUNE MARTINEZ**, BLOWN FILMS OF PLA/PBSA BLENDS: EFFECT OF COMPOSITION ON PROCESSABILITY AND THERMAL, MECHANICAL, AND BARRIER PROPERTIES
- P34.1 **G. WEGRZYK**, THE INFLUENCE OF MIXING PRESSURE IN SPRAY GUN ON APPLICATION OF BIO-BASED RIGID POLYURETHANE SPRAY FOAM
- P35.1 **HARRISON DE LA ROSA-RAMÍREZA**, USE OF NATURAL ADDITIVE IN BIODEGRADABLE THERMOPLASTIC MATERIALS FOR FOOD PRESERVATION
- P36.1 **WILLIAM M. FACCHINATTO**, HARNESSING SURFACTANTS PRODUCED BY MICROORGANISMS AS ECO-FRIENDLY CONTITUENTS FOR POLYURETHANE SYNTHESIS
- P37.1 **SALVADOR GARCÍA-CHUMILLAS**, PHBV-BASED MATERIALS FOR FOOD PACKAGING APPLICATIONS
- P38.1 **JAILSON DE ARAÚJO SANTOS**, DNA-CONTAINING PVA-BASED HYDROGELS FOR APPLICATION IN GENE THERAPY
- P39.1 **NEREA MARTÍNEZ**, USE OF NATURAL RESIN TO PRODUCE WATER SOLUBLE THERMOPLASTIC STARCH-INJECTED MOLDED MATERIALS
- P40.1 **FRANCISZEK PAWLAK**, USE OF MACHINE LEARNING MODELS FOR FORCASTING POLYLACTIC ACID PROPERTIES AFTER REINFORCEMENT
- P41.1 **K. GUTIÉRREZ-SILVA**, ULTRAVIOLET IRRADIATION EFFECT AT DRY AND WATER-IMMERSION CONDITIONS ON POLY(LACTIDE) COMMERCIAL FILMS
- P42.1 **K. MAKRYNIOTIS**, AN INTERDISCIPLINARY APPROACH FOR THE ENZYMATIC DEGRADATION OF PLASTICS
- P43.1 **PABLO G. DEL-RÍO**, DEEP EUTECTIC SOLVENT (DES)-EXTRACTED LIGNIN HYDROGELS AS A PLATFORM FOR DRUG DELIVERY SYSTEMS
- P44.1 **A. MARÍN**, ADVANCING BIODEGRADATION OF BIOPLASTICS: STRATEGIES FOR ISOLATING MICROBIAL DEGRADERS AND ACCELERATING BIOTECHNOLOGICAL SOLUTIONS
- P45.1 **JAUME SEMPERE-TORREGROSA**, EFFECT OF MALEINIZED BORAGE SEED OIL AS AN ADDITIVE IN PLA AND PHB BLENDS
- P46.1 **ANTONELLA ESPOSITO**, FURAN-BASED THERMOPLASTIC POLYESTERS: A SHORT OVERVIEW OF THEIR PHYSICAL PROPERTIES
- P47.1 **DIEGO LASCANO**, PLA BLENDED WITH RECYCLED PHBV REINFORCED WITH FUNCTIONALIZED BACTERIAL CELLULOSE OBTAINED FROM KOMBUCHA FERMENTED IN COFFEE WASTE
- P48.1 **MARTA MUÑOZ MARTÍ**, ISOLATED ENVIRONMENTAL MICROORGANISMS WITH BIODEGRADATIVE ACTIVITY ON POLYURETHANE
- P49.1 **VINICIUS DE PAULA**, PHYSICAL RECYCLING OF ABS: LEVERAGING RENEWABLE SOLVENTS FOR CIRCULAR ECONOMY SOLUTIONS
- P50.1 **BEATRIZ AGOSTINHO**, SUSTAINABLE APPROACHES TOWARDS NEW FURAN-BASED POLYMERS: NEW COPOLYESTERS BASED ON 5,5'-OXYBIS(METHYLENE)BIS(FURAN-5,2-DIYL)DIMETHANOL (OBMF-H)



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POSTER SESSION 2. (Wednesday 24th July 2024)

- P1.2 **CÉLIA F. FRIAS**, DEVELOPMENT OF POLY(A-PINENE) BASED TACKIFIERS FOR USE IN HOT MELT ADHESIVES
- P2.2 **EVA MOLL**, IMPROVING THERMO-SEALING OF POLY(3-HYDROXYBUTYRATE-CO-3-HYDROXYVALERATE) BY BLENDING WITH POLYCAPROLACTONE
- P3.2 **ZIKELI FLORIAN**, MOLAR MASS FRACTIONATION OF WHEAT STRAW ORGANOSOLV EXTRACTS: STRUCTURAL CHARACTERIZATION OF LIGNIN FRACTIONS
- P4.2 **MARTA MUÑOZ MARTÍ**, ISOLATED ENVIRONMENTAL MICROORGANISMS BIODEGRADING POLYURETHANE
- P5.2 **MANON GUIVIER**, WATER VAPOR TRANSPORT PROPERTIES OF NEW BIO-BASED FOOD PACKAGING
- P6.2 **MANORMA SHARMA**, PHOTOLUMINESCENT LIGNIN NANOPARTICLE SYNTHESIZED FROM KRAFT LIGNIN FOR BIOIMAGING APPLICATIONS
- P7.2 **MARIA LEONOR MARQUES**, AMINO-YNE CLICK REACTION OF VEGETABLE OILS FOR BIOMEDICAL APPLICATIONS
- P8.2 **M. JÚLIO**, ROSIN-BASED AQUEOUS DISPERSIONS FOR PAPER SIZING
- P9.2 **ANDREA JUAN-POLO**, BIODEGRADABLE TPS FILMS WITH RAW PEACH GUM
- P10.2 **VALENTINA SALARIS**, FABRICATION OF PLASTICIZED AND UNPLASTICIZED PLA-BASED NANOFIBERS REINFORCED WITH ZNO NPS, AND BIODEGRADATION STUDY
- P11.2 **RADIA NIAMET ALLAH BELHADJ**, ANTIOXIDANT SODIUM ALGINATE FILMS WITH OIL EXTRACTS FROM RUGULOPTERYX OKAMURAE AND POLYPHENOLS EXTRACTS FROM EGERIA DENSA
- P12.2 **PAULA CANO**, GRAPEFRUIT ESSENTIAL OIL AND CURCUMIN-LOADED CO-AXIAL ELECTROSPUN POLY (ETHYLENE OXIDE) MEMBRANES. APPLICATION TO SMART FOOD PACKAGING
- P13.2 **MOHIT SHARMA**, EFFECT OF LIGNIN-CONTAINING CELLULOSE MICROFIBRILS ON STRENGTH PROPERTIES OF PACKAGING GRADE PAPER
- P14.2 **ARONA FIGUEROA PIRES**, DEVELOPMENT OF EDIBLE FILMS BASED ON SHEEP'S SECOND CHEESE WHEY
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