

**ChemPor-2023 Poster Presentations: Program code, presenting author and title.**

Code	Presenting Author	Title
P BS-01	Lucília S. Ribeiro	Sustainable jet fuel production: assessment of reaction conditions in palmitic acid deoxygenation
P BS-02	João P. Santos	Studies on the hydrotropic enhancement of acetaminophen aqueous solubility
P BS-03	Arantxa Eceiza	Engineering of a recyclable crosslinked polyurethane with thermally reversible Diels-Alder adduct
P BS-04	Bruno Pereira	Innovative design of a more sustainable technology for microalgae protein recovery
P BS-05	Carlos A. Vega-Aguilar	Organosolv lignin extraction and characterization from three Costa Rican biomasses
P BS-06	Filipa A. Vicente	Lignin-Derived Covalent Adaptable Networks (CANs): A Sustainable Approach to Versatile Material Design
P BS-07	Aline Zambom	Ionic liquids for essential oils processing: Terpenes fractionation
P BS-08	Paula V. A. Pontes	Using COSMO-RS as a predictive tool to select potential deep eutectic solvents capable of dissolving lignin solubility and enhancing laccase activity
P BS-09	Raquel A. Fernandes	Grape stalks of <i>Vitis vinifera</i> L.: a renewable source for bio-based adhesives
P BS-10	Helena Ribeiro	Lycopene cream obtained by high-pressure homogenization of tomato waste
P BS-11	María Carpintero Pérez	Development of polymeric adsorbent materials from the agar industry for removal of organic dyes in wastewaters
P BS-12	Priyanka Kumar	Building a spent grain biorefinery using ionic liquids - with a focus on the extraction and valorisation of protein.
P BS-13	Mariana C. Costa	Determination of Kraft lignin solubility in Aprotic and Protic Ionic Liquids aqueous solutions
P BS-14	João Baixinho	Winery waste streams as potential natural pesticides
P BS-15	Vinícius de Paula	Recycling of poly(ethylene terephthalate) waste by efficient hydrolytic depolymerization with bio-based eutectic solvents
P BS-16	Diogo Martins	Liquified biomass utilization in water co-electrolysis for Synthesis gas production
P BS-17	Vahid Rahimi	Olive Stone-based Chemically Modified Carbon Adsorbents for Copper Adsorption
P BS-18	Julia González-Álvarez	Effect of activation conditions of carbons derived from pine sawdust on wood dye removal
P BS-19	Carla Fernández-Blanco	Medium chain fatty acids production from syngas by a co-culture of <i>Clostridium acetivum</i> and <i>Clostridium kluyveri</i>
P BS-20	Cariny Polesca	Response surface methodology approach for keratin recovery using a bio-based ionic liquid
P BS-21	Cecilia Naveira-Pazos	Recovery of carotenoids from <i>Yarrowia lipolytica</i> using biosolvents
P BS-22	João Joaquim	Obtaining liquid fuels by applying bifunctional catalysts in the Fischer-Tropsch process
P BS-23	Luísa H. Carvalho	Impact of storage conditions on the chemical composition of wine industry by-products

P BT-01	Mehriban Aliyeva	Solubility of amino acids: The effect of chaotropic anions
P BT-02	Khadidja Kebaili	Olive pomace extracts as antimicrobial agents for leather treatments
P BT-03	Liliana Fernandes	Development of acorn shell extract solid-in-oil-in-water (S/O/W) emulsion-based carriers envisaging cosmetic applications
P BT-04	Bojan Kopilovic	Gellable Aqueous Biphasic Systems as a Novel Strategy for mRNA Nasal Delivery
P BT-05	Joana S. Amaral	Exploiting winemaking residues as ingredients for cosmeceutical applications
P BT-06	Carlos Matias	Potassium evoked ROS signals in mitochondria
P BT-07	Diana Amendoeira	Near-infrared spectroscopy analysis of bread: study of shelf life and correlation with microbiological analysis
P BT-08	Alexandra Teixeira	Analysis of bread using potentiometric electronic tongue: importance for quality control
P BT-09	Gabriela Vergara	Optimization of phenolic compounds extraction from Mountain Ash fruit pulp
P BT-10	Hellen F. Rodrigues	Extraction of phenolic compounds from <i>Sorbus aucuparia</i> tree leaves for use in food
P BT-11	Noa Miguez	Laccase mediated grafting of pine sawdust for oil spill recovery
P BT-12	Ana S.C. Marques	Development of an integrated process for the recovery and purification of recombinant messenger RNA vaccines resorting to bio-based ionic liquids
P BT-13	Patrícia Alves	Dextran-based hydrogel composites for tissue engineering
P BT-14	Laura Ferreira Santos	Valorization of brewery spent grain to produce volatile fatty acids through acidogenic fermentation
P BT-15	Nuno Ferreira	Predicting the shelf-life of extra virgin olive oil during storage at 22 and 50°C, using a kinetic modelling approach
P BT-16	Nelson Guerreiro Cortez Nunes	Metal-ion zeolites obtained by chemical and mechanochemical methods as Fenton-like catalysts for health applications
P BT-17	Matheus M. Pereira	Computer-Aided Identification of Trihalomethane Degradation by Haloalkane dehalogenase DhaA from <i>Rhodococcus</i> sp.
P BT-18	Ivanka Hambarliyska	Ultrasound-assisted synthesis of inulin esters with antimicrobial and anti-inflammatory activities
P BT-19	Priscila S. Corrêa	Urea as an alternative source of nitrogen for microalgae cultivation: effect on growth and biomass composition
P BT-20	Vânia F. Silva	Microencapsulation of biocide benzisothiazolinone: a promising technique for the improvement of its aqueous solubility
P BT-21	Catarina Almeida	In vitro evaluation of Avian Immunoglobulin Y (IgY) antibodies to fight infectious illnesses caused by Methicillin-resistance <i>Staphylococcus aureus</i> (MRSA)
P BT-22	Sofia S. Bernardoni	Extraction study of bioactive compounds from ginger by ultrasound an analysis of antioxidant action
P BT-23	Cecília R.C. Calado	Validation of a prototype of a miniaturized near infrared spectrometer on complex organic samples
P BT-24	Sofia Vaz	Interaction between <i>Chlorella vulgaris</i> and microplastic (PET) particles examined by optical and nuclear microscopy

P BT-25	Leonor S. Castro	Polymer-based aqueous biphasic systems as a tool for the recovery of protein-based biopharmaceuticals
P BT-26	Ana Barbosa	Application of PNA-FISH based-methods for bacterial detection and localization in biofilms
P BT-27	Maria S.M. Mendes	Development of efficient platforms for breast cancer biomarkers extraction resorting to ionic liquid-based aqueous biphasic systems
P BT-28	Rúben Araújo	Streamlining Bacterial Infection Diagnosis: Rapid Gram Classification Using FTIR Spectroscopy
P BT-29	Mariana I.S. Aguiar	Enhancing plastic waste recycling: Investigating the impact of additives on polymer degradation via laccase from <i>Trametes versicolor</i>

P EE-01	António Martins	Life Cycle Environmental Impact Assessment of a Pajama Shirt
P EE-02	Henrique A. Matos	Life cycle assessment: a comparison of different tools using an academic case study
P EE-03	Maria João Silva	Porous PDMS membranes as P25 supports for the photocatalytic degradation of parabens
P EE-04	Vanmira Van-Dúnem Dala	Catalytic conversion of hemicellulose-derived pentoses into sugar/aliphatic acids
P EE-05	Beatriz Moreira	Analysis of energy transition scenarios in industry, using RETScreen
P EE-06	Telma Vaz	Persulfate Process Activated by Heterogeneous Catalyst for Synthetic Olive Mill Wastewater Treatment
P EE-07	Sergio Fernández-Davila	Self-supported 3D-printed plate-lattices with chitosan-based ink adsorbents for the removal of pollutants
P EE-08	Tomás Tavares/Rui Ferreira	Renewable Energy Production in Marine Natural Caves using Wells turbines
P EE-09	Maria Garção	Biodiesel production from residual cooking oils and its purification through adsorption processes using activated carbon prepared from cork waste
P EE-10	Rui C. Martins	Recovery of phenolic compounds from olive mill wastewater using ion exchange process
P EE-11	Fernanda Rodrigues	Novel photocatalysts for pharmaceuticals removal from wastewater: a literature survey and a perspective for healthy freshwater ecosystems.
P EE-12	Ana C. Ferreira	Effect of steam on a fluidized-bed Calcium Lopping process using natural and waste resources
P EE-13	Diego Huber-Benito	Removal of cytotoxic contaminants through advanced oxidation processes with a catalyst derived from sewage sludge
P EE-14	Filipe Rocha	Sewage sludge as agricultural fertilizer - A screening of environmental risk assessment for PAHs, PCBs, synthetic musks and volatile methylsiloxanes
P EE-15	Alba Giráldez	New Copper-based solid heterogenous catalyst for peroxymonosulphate activation for disinfection of wastewater
P EE-16	Ana M. Barreiros	Study of nanoplastics impact on seed germination of <i>Lactuca sativa</i>
P EE-17	Susana Oliveira	Evaluation of potential applications for Poplar bark, a byproduct from food packaging
P EE-18	Gabriel L Camilo	Study of biodiesel production from waste cooking oil by ethyl transesterification and its purification with the use of natural adsorbents
P EE-19	Patrícia Pereira	Energy Rationalization Plan of a Road Transport Company: Elaboration and Monitoring
P EE-20	Raquel Silva	Comparison of environmental assessments of polyurethane foams
P EE-21	César Afonso	Electrochemical recovery of phosphorus from aqueous solutions
P EE-22	Eduardo Candido Milani	Removal of estrogens from water using activated carbon adsorbent materials prepared from olive stones
P EE-23	Rodrigo Antônio	Application of commercial activated carbon for removal of copper (II) ions from aqueous media
P EE-24	Patrícia Silva Fernandes	Chlorine decay in water treatment and distribution
P EE-25	Nuria Bernárdez	Optimization of electro-Fenton process parameters and subsequent reactor design for continuous flow treatment.
P EE-26	Margarida L. Almeida	Comparison of test methods to assess Formaldehyde Emissions in coloured MDF
P EE-27	Catarina Lopes	Catalytic hydrodechlorination of 4-chlorophenol in water
P EE-28	Antía Fdez-Sanromán	Influence of FeCu-MOF morphologies on peroxymonosulfate activation for Rhodamine B degradation
P EE-29	Eva Domingues	Integrating Fenton's process with adsorption using <i>C. fluminea</i> shells: an iron recovery strategy
P EE-30	Maria Eduarda Martins	Water disinfection using UVC diodes that emit light at different wavelengths
P EE-31	Mariana B.S. Felgueiras	Catalysts screening for the CO <sub>2</sub> hydrogenation reaction in C <sub>2</sub> + products
P EE-32	Mónica Calero	Removal of heavy metals from aqueous solution using as adsorbent char derived from the pyrolysis of post-consumer plastic waste
P EE-33	Maria A. Martín-Lara	Development of low-cost adsorbent materials from char of pyrolysis of post-consumer mixed plastic waste and its application to effluent purification (CARBOPLASTIC project)
P EE-34	Fernando Cruz	A Molecular Simulation Study of the Structure and Thermodynamics of Empty Clathrate Hydrates below the Freezing Point of H <sub>2</sub> O
P EE-35	Helder T. Gomes	Compost-derived catalyst for wet peroxide oxidation of leachate waters
P EE-36	Rafaela Mulinari Cabral	Water treatment station sludge with application in the production of ecological bricks
P EE-37	Mario Rúa Pereira	Development and evaluation of an automatic monitoring and measurement system for electrodegradation processes

P IA-01	Paula Eduarda de Paula	Application of <i>Spirulina platensis</i> biomass and protein as an alternative emulsifier in the production of ice creams
P IA-02	Juliana Correia	Effect of edible coatings on the chemical properties of chestnuts
P IA-03	Matías J. Penayo Bernal	Leather's surface and structural defects minimization with a sustainable approach
P IA-04	Raquel Nunes da Silva	Innovation in Cork: State of the Art and Future Research Possibilities
P IA-05	Bárbara Lomba-Fernández	Application of different CuFe-MOFs for reduction of the environmental and sanitary impact of hospital effluents
P IA-06	Liliana Pereira Lameiras	Development of new PVC based products through emulsion process
P IA-07	Katia Luz	Evaluate the effectiveness and effects of ultraviolet light-emitting diodes for food production, preservation, and microbiological safety

P IM-01	Jeferson Vicente	Development of chitosan/gum Arabic films using Pickering emulsions envisaging hydrophobic compounds incorporation
P IM-02	Liandra Gracher Teixeira	Emulsion-based drug carriers for timolol maleate envisaging glaucoma treatment
P IM-03	Larissa C. Ghirro	Structured foods based on Pickering emulsions as vitamin D3 vehicles
P IM-04	Carmem Cícera Maria da Silva	Low-cost sanitizers derived from the biodiesel process: A study developed during the Covid-19 pandemic
P IM-05	Leandro Lima Aquino	Hydrogel formation from Spirulina platensis biomass: screening of process variables
P IM-06	Cláudio M.R. Almeida	Luminescent responsive lanthanide-doped silica films for biogenic amines recognition
P IM-07	Maria Inês Roque	Development of a silica-based cryogel for the adsorption of perfluorooctanoic acid (PFOA) in water
P IM-08	Paula Plasencia	Ethosomes: an approach for bioactive plant extract preservation envisaging cosmetic applications
P IM-09	Tatiana B. Schreiner	Formation and stabilisation of oil-in-water nanoemulsions using binary emulsifier mixtures of Tribulus terrestris extract and Quillaja bark saponin
P IM-10	Dragomir Vassilev	Physicochemical characterization and functional properties of a pectic polysaccharide fraction isolated from celery tubers
P IM-11	Ayssata Almeida	Design of Functional Polymers and Sorption/Desorption Processes for the Valorization of Bioactive Compounds in Olive Leaf
P IM-12	Tiago J. Ferreira	Impregnating Ionic Liquids into a MOF: Assessment of the Cationic and Anionic Effects and Their Impact on Sorbent Properties
P IM-13	Zoyia Kamora	Wet-Spinning of Lignin-Nanocomposite Fibres for Stronger Carbon fibres Using Low-Cost Ionic Liquids
P IM-14	Talia A. Shmool	Rationally Developed Injectable Choline Chloride-Based Hydrogel Formulations for Controlled and Local Therapeutic Delivery Applications
P IM-15	Eliane Ayres	Rice Husks Biochar as Adsorbent for Removal Water Pollutants: The use of porous 3D printed supports
P IM-16	Marys L.B. Almeida	Activated biochar from acai seeds (Euterpe oleracea Mart): The use of polyurethane foam as adsorbent device for water treatment
P IM-17	Filipe Almeida	Continuous oscillatory flow reactor: effect of liquid flow rate on gas-liquid mass transfer in a gas-liquid-solid system
P IM-18	Francisco Garrett	Development of Bacterial cellulose composites for Food Packaging and Textiles

P MS-01	Ricardo J. Santos	Modelling of Reactive Extrusion Process by Mixing Two Similar Fluids in the Extruder
P MS-02	Leandro Domínguez Déniz	Integration of a reaction-purification process to obtain pentyl acetate
P MS-03	Bitchikh Karima	Thermodynamic Models Assessment for the Determination of Paracetamol Solubility's in Different Solvents
P MS-04	João Leitão	Heat Integration of the Haber Bosch Process for the Production of Green Ammonia
P MS-05	Miguel A.J. Teixeira	Sorption assays of furanic compounds in transformers' insulating oil and paper systems
P MS-06	Ana Filipa Freitas	Introducing the O-NETmix - a novel technology for continuous crystallisation

P RS-01	Isabella Cordoba	Application of COSMO-RS to predict the phase equilibria of vanillin in aqueous mixtures
P RS-02	Beatriz Lorenzo	Solvent-free enzymatic esterification of pentyl propionate. Comparison of results using two types of reactors: BSTR and PBR
P RS-03	Jaime Carbajo	High-adsorption-performance carbon material for removal of fluoroquinolone from wastewater
P RS-04	Mariana Matos	Design of hierarchical Pt/zeolite catalysts for the hydrodeoxygenation of biomass-derived oxygenated molecules
P RS-05	Inmaculada García López	3D printed biomimetic flow fields for the electrochemical generation of free chlorine
P RS-06	André Nogueira	Selective precipitation of gold from an aqua regia leachate of e-waste using a quaternary ammonium ionic liquid
P RS-07	Olga Ferreira	Fractionation of citrus essential oil through extractive vacuum distillation using imidazolium-based ionic liquids as entrainers
P RS-08	Ana I. Valente	DNA simultaneous extraction, purification, and preservation with ionic liquid-based aqueous biphasic systems
P RS-09	Jéssica Araújo	Polyamide chemical recycling processes: preliminary studies
P RS-10	Fernanda F. Roman	Oxidative desulfurization of a simulated fuel using plastic waste-derived carbon nanotubes: a Pickering interfacial catalysis approach
P RS-11	Pedro Carvalho	Hybrid hollow fiber membranes with encapsulated absorbents in sub-micron carbon capsules: A new technology for gas separation
P RS-12	Gonzalo Pascual-Muñoz	Experimental PSA reactor for methanol-enhanced production via CO2 hydrogenation
P RS-13	Inês Rodrigues	Symmetric and asymmetric PDMS membranes for CO2/N2 separation using the inorganic filler ZSM-5
P RS-14	Vítor J.P. Vilar	Development of functionalized membranes for O2/O3 gas separation
P RS-15	Ezzeldin Aly	Single- and multi-component fixed-bed adsorption of CO2, CH4, and N2 on ion-exchanged binder-free NaY zeolites
P RS-16	Andrés Cañada-Barcala	Sorption Enhanced Reaction Process designed for CO2 methanation from Biogas using different Ni-based catalysts
P RS-17	Cristiana Gomes	Separation of volatile fatty acids with adsorption-based methods