

Poster Session 1: EE, IA, MS, RS

ChemPor-2023 Poster Presentations: Poster board, program code, presenting author and title.

Poster Board	Code	Presenting Author	Title
1	P EE-01	António Martins	Life Cycle Environmental Impact Assessment of a Pajama Shirt
2	P EE-02	Henrique A. Matos	Life cycle assessment: a comparison of different tools using an academic case study
3	P EE-03	Maria João Silva	Porous PDMS membranes as P25 supports for the photocatalytic degradation of parabens
4	P EE-04	Vanmira Van-Dúnem Dala	Catalytic conversion of hemicellulose-derived pentoses into sugar/aliphatic acids
5	P EE-05	Beatriz Moreira	Analysis of energy transition scenarios in industry, using RETScreen
6	P EE-06	Telma Vaz	Persulfate Process Activated by Heterogeneous Catalyst for Synthetic Olive Mill Wastewater Treatment
7	P EE-07	Sergio Fernández-Davila	Self-supported 3D-printed plate-lattices with chitosan-based ink adsorbents for the removal of pollutants
8	P EE-08	Rui Filipe	Renewable Energy Production in Marine Natural Caves using Wells turbines
9	P EE-09	Ana Queiroz	Biodiesel production from residual cooking oils and its purification through adsorption processes using activated carbon prepared from cork waste
10	P EE-10	Rui C. Martins	Recovery of phenolic compounds from olive mill wastewater using ion exchange process
11	P EE-11	Fernanda Rodrigues	Novel photocatalysts for pharmaceuticals removal from wastewater: a literature survey and a perspective for healthy freshwater ecosystems.
12	P EE-12	Ana C. Ferreira	Effect of steam on a fluidized-bed Calcium Lopping process using natural and waste resources
13	P EE-13	Diego Huber-Benito	Removal of cytotoxic contaminants through advanced oxidation processes with a catalyst derived from sewage sludge
14	P EE-14	Filipe Rocha	Sewage sludge as agricultural fertilizer - A screening of environmental risk assessment for PAHs, PCBs, synthetic musks and volatile methylsiloxanes
15	P EE-15	Alba Giráldez	New Copper-based solid heterogenous catalyst for peroxymonosulphate activation for disinfection of wastewater
16	P EE-16	Ana M. Barreiros	Study of nanoplastics impact on seed germination of Lactuca sativa
17	P EE-17	Susana Oliveira	Evaluation of potential applications for Poplar bark, a byproduct from food packaging
18	P EE-18	Paulo Brito	Study of biodiesel production from waste cooking oil by ethyl transesterification and its purification with the use of natural adsorbents
19	P EE-19	Patrícia Pereira	Energy Rationalization Plan of a Road Transport Company: Elaboration and Monitoring
20	P EE-20	Raquel Silva	Comparison of environmental assessments of polyurethane foams
21	P EE-21	César Afonso	Electrochemical recovery of phosphorus from aqueous solutions
22	P EE-22	António Ribeiro	Removal of estrogens from water using activated carbon adsorbent materials prepared from olive stones
23	P EE-23	Rodrigo António	Application of commercial activated carbon for removal of copper (II) ions from aqueous media
24	P EE-24	Patrícia Silva Fernandes	Chlorine decay in water treatment and distribution
25	P EE-25	Nuria Bernárdez	Optimization of electro-Fenton process parameters and subsequent reactor design for continuous flow treatment.
26	P EE-26	Margarida L. Almeida	Comparison of test methods to assess Formaldehyde Emissions in coloured MDF
27	P EE-27	Catarina Lopes	Catalytic hydrodechlorination of 4-chlorophenol in water
28	P EE-28	Antía Fdez-Sanromán	Influence of FeCu-MOF morphologies on peroxymonosulfate activation for Rhodamine B degradation
29	P EE-29	Eva Domingues	Integrating Fenton's process with adsorption using C. fluminea shells: an iron recovery strategy
30	P EE-30	Maria Eduarda Martins	Water disinfection using UVC diodes that emit light at different wavelengths
31	P EE-31	Mariana B.S. Felgueiras	Catalysts screening for the CO2 hydrogenation reaction in C2+ products
32	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
33	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)
34	P EE-34	Fernando Cruz	A Molecular Simulation Study of the Structure and Thermodynamics of Empty Clathrate Hydrates below the Freezing Point of H2O
35	P EE-35	Helder T. Gomes	Compost-derived catalyst for wet peroxide oxidation of leachate waters
36	P EE-36	Rafaela Mulinari Cabral	Water treatment station sludge with application in the production of ecological bricks
37	P EE-37	Mario Rúa Pereira	Development and evaluation of an automatic monitoring and measurement system for electrodegradation processes
38	P IA-01	Paula Eduarda de Paula	Application of Spirulina platensis biomass and protein as an alternative emulsifier in the production of ice creams
39	P IA-02	Juliana Correia	Effect of edible coatings on the chemical properties of chestnuts
40	P IA-03	Matías J. Penayo Bernal	Leather's surface and structural defects minimization with a sustainable approach
41	P IA-04	Raquel Nunes da Silva	Innovation in Cork: State of the Art and Future Research Possibilities
42	P IA-05	Bárbara Lomba-Fernández	Application of different CuFe-MOFs for reduction of the environmental and sanitary impact of hospital effluents
43	P IA-06	Liliana Pereira Lameiras	Development of new PVC based products through emulsion process
44	P IA-07	Katia Luz	Evaluate the effectiveness and effects of ultraviolet light-emitting diodes for food production, preservation, and microbiological safety
45	P MS-01	Ricardo J. Santos	Modelling of Reactive Extrusion Process by Mixing Two Similar Fluids in the Extruder
46	P MS-02	Leandro Domínguez Déniz	Integration of a reaction-purification process to obtain pentyl acetate
47	P MS-04	João Leitão	Heat Integration of the Haber Bosch Process for the Production of Green Ammonia
48	P MS-05	Miguel A.J. Teixeira	Sorption assays of furanic compounds in transformers' insulating oil and paper systems
49	P MS-06	Ana Filipa Freitas	Introducing the O-NETmix - a novel technology for continuous crystallisation

50	P RS-01	Isabella Cordoba	Application of COSMO-RS to predict the phase equilibria of vanillin in aqueous mixtures
51	P RS-02	Beatriz Lorenzo	Solvent-free enzymatic esterification of pentyl propionate. Comparison of results using two types of reactors: BSTR and PBR
52	P RS-03	Jaime Carbajo	High-adsorption-performance carbon material for removal of fluoroquinolone from wastewater
53	P RS-04	Mariana Matos	Design of hierarchical Pt/zeolite catalysts for the hydrodeoxygenation of biomass-derived oxygenated molecules
54	P RS-06	André Nogueira	Selective precipitation of gold from an aqua regia leachate of e-waste using a quaternary ammonium ionic liquid
55	P RS-07	Olga Ferreira	Fractionation of citrus essential oil through extractive vacuum distillation using imidazolium-based ionic liquids as entrainers
56	P RS-08	Ana I. Valente	DNA simultaneous extraction, purification, and preservation with ionic liquid-based aqueous biphasic systems
57	P RS-09	Jéssica Araújo	Polyamide chemical recycling processes: preliminary studies
58	P RS-10	Fernanda F. Roman	Oxidative desulfurization of a simulated fuel using plastic waste-derived carbon nanotubes: a Pickering interfacial catalysis approach
59	P RS-11	Isabella Souza	Hybrid hollow fiber membranes with encapsulated absorbents in sub-micron carbon capsules: A new technology for gas separation
60	P RS-12	Gonzalo Pascual-Muñoz	Experimental PSA reactor for methanol-enhanced production via CO ₂ hydrogenation
61	P RS-13	Inês Rodrigues	Symmetric and asymmetric PDMS membranes for CO ₂ /N ₂ separation using the inorganic filler ZSM-5
62	P RS-14	Vítor J.P. Vilar	Development of functionalized membranes for O ₂ /O ₃ gas separation
63	P RS-15	Ezzeldin Aly	Single- and multi-component fixed-bed adsorption of CO ₂ , CH ₄ , and N ₂ on ion-exchanged binder-free NaY zeolites
64	P RS-16	Andrés Cañada-Barcala	Sorption Enhanced Reaction Process designed for CO ₂ methanation from Biogas using different Ni-based catalysts
65	P RS-17	Cristiana Gomes	Separation of volatile fatty acids with adsorption-based methods