

Oral Communications

MOLECULAR FLOWS WITH ENVIRONMENTAL IMPACT (MF)

OC1	Nelson Machado	Real-time monitoring of leaves' gaseous exchange in C3 green plants: the thermodynamical role of water
OC2	Justyna Pyssa	Identification of population exposure to environmental contamination with selected antibiotics adsorbed on microplastics
OC3	Katarzyna Styszko	Polycyclic aromatic hydrocarbon biomarker profiles in raw wastewater as indicators of exposure levels in urban environments
OC4	David Fanguero	Sanitization of pig slurry by modifying pH with agro-industrial by-products: effects on emissions and potential leaching
OC5	Fernando Pacheco	Assessment of environmental risks in the Barranco do Banho aquifer (Serra de Monchique): disclosure of results
OC6	Charles Twagiramungu	Application of biochar produced from different feedstocks and organic fertilizers: effects on soil properties and maize (<i>Zea mays</i> L.) production in the northern part of Rwanda

ENVIRONMENTAL POLLUTION REMEDIATION (EP)

OC1	Fernando Braga	Sustainable vineyard mulching: optimizing winery by-product co-composting with vine shoots for soil and weed management
OC2	António Pirra	Co-composting conditions and its impact on the quality of substrates from grape stalks and winery waste activated sludge: Lab and pilot-scale studies
OC3	Sandra Nunes	Molecular dynamics simulations as a tool for advancing environmental remediation and impact mitigation strategies
OC4	Maria Roque	Adsorption and advanced oxidation processes: viable paths to remove disinfection byproducts?
OC5	Maria Costa	Assessing the capacity of <i>Caulerpa prolifera</i> for copper adsorption and neutralization
OC6	Daniela Moraes	Valorization of winery effluents in the Douro region: advanced treatment via ceramic membranes and photo-Fenton processes for water reuse
OC7	Najmeh Askari	MOF-on-MOF structures for enhanced degradation of emerging contaminants from water
OC8	Siaw Lee	Circular solutions: zeolites from waste for ammonia mitigation in real effluents
OC9	Solange Magalhães	Tailored cellulose biofloculants: enhancing wastewater treatment with low ecotoxicity
OC10	Muhammad Khubaib	From e-waste to resource: evaluating european approaches for a cleaner electronics lifecycle
OC11	Carlos Andrade	From CO2 to methane: a thermodynamic study of the Sabatier reaction for clean energy applications
OC12	Andreia Farinha	PFAS remediation in water by natural deep eutectic solvents and scCO2
OC13	Vitor Valente	simulation of new renewable gases mixtures for injection into natural gas networks
OC14	Marisa Martins	Numerical analysis of PEMFCS as a clean energy solution for mobility
OC15	Luís Oliveira	Pyrolysis of sewage sludge: unlocking the hidden potential for valorization and carbon sequestration

SUSTAINABLE MATERIALS (SM)

OC1	Attaullah khan	Mechanical and thermal performance of waste polypropylene reinforced with glass fiber: a systematic review in the context of sustainability
OC2	José Silva	Utilization of olive stone waste as a sustainable fine aggregate replacement in cementitious mortars
OC3	Cristina Gonçalves	Replication of the physical-chemical properties of the leaf surface of <i>Myrtus communis</i> L.
OC4	Rafaela Cabral	Bioactive coordination compounds in biopolymer matrices: an antimicrobial coating strategy
OC5	Ana Vieira	Green synthesis of silver nanoparticle-silk fibroin scaffolds for biomedical applications
OC6	Mariana Fernandes	Synthesis of carbon dots from <i>Cinnamomum camphora</i> leaves
OC7	Teresa Pinto	Co-composting of sewage sludge with biowaste from mechanical treatment: a proposal for sustainable biowaste valorization in northern Portugal
OC8	Rafael Rebelo	Industrial cellulose pulp-based hydrogels for agriculture: a simple and scalable process

FOOD SECURITY AND CLEAN LABEL TECNOLOGIES (FS)

OC1	Elisa Costa	Microalgae proteins as sustainable andallergen-free alternatives for fining white wines
OC2	Joana Ferreira	Enhancing the nutritional quality of edible insects: DHA-rich microalgae supplementation in <i>Acheta domesticus</i> diets
OC3	Mónica Silva	Combined effects of western diet and micro-nanoplastics on hepatic mitochondrial bioenergetics in C57BL/6J mice
OC4	Tânia Cova	Learning from molecules: predicting mycotoxin toxicity through structure-based machine learning
OC5	Solange Magalhães	Innovative functional bread: integrating acorn flour and regionally sourced essential oils for enhanced nutrition and shelf life
OC6	Manuel Pinto	Sensory evaluation of PDO/PGI wines in the context of accreditation in Portugal and the european framework: current practices and challenges.

MATERIALS FOR ENERGY (ME)

OC1	Bruno Medronho	Regenerated cellulose: a versatile platform for sustainable laminates and green energy harvesting
OC2	Mauro Magalhães	3D printing using photochromic naphthopyrans as photoinitiators
OC3	Amala Joy	Towards visible-light-assisted photocatalytic nitrogen fixation via physical integration of MOF and GCN photocatalyst
OC4	Paulo Nunes	Passive thermotropic devices with radiative cooling functionality
OC5	Tiago Duarte	Chondroitin-based Ionanofluid for sun-actuated devices