

IDAEA YRD25 - PROGRAMME

9:00 Welcome by Ethel Eljarrat

9:05 1st SESSION - ORAL PRESENTATIONS

- O.01 **Berta Pérez** — Enhancing the risk assessment of pesticides on bats
- O.02 **Dana Pierina Orlando Véliz** — Comprehensive screening of emerging contaminants in Antarctic Peninsula waters using ion mobility-enabled HRMS
- O.03 **Giacomo Moro** — Calibration of ceramic passive samplers and their use in measuring contamination in river- and groundwater
- O.04 **Liliya Sokalchuk** — Transcriptomics to unravel different modes of action of organophosphate flame retardants
- O.05 **Marianda Aretaki** — Polycyclic Aromatic Hydrocarbon and Black Carbon Concentrations and Sources: A Case Study in Primary Schools and Homes in Barcelona
- O.06 **Julen Segura** — Urinary Biomonitoring and Statistical Evaluation of Lifestyle Trends in Children Exposed to Endocrine Disruptors
- O.07 **Diego Schmidlin** — Impact of the Superblock Model on the Urban Water Cycle: Trace Metals and Dissolved Organic Matter Dynamics across the Built Environment
- O.08 **Lyen Marie Castro** — High-throughput effect-directed analysis of thyroid hormone-disrupting compounds in Swedish stormwater ponds

10:30 1st SESSION - FLASH PRESENTATIONS

- F.01 **Carmen Sáez Camacho** — Modeling redox dynamics an urban aquifer located at the Besòs River Delta
- F.02 **Edoardo Barbieri** — Establishing *Tetraselmis suecica* as a Marine Bioindicator: Growth Dynamics, Spectrophotometric Calibration, and Standard Toxicity Assays
- F.03 **Martí Nogués Freixas** — Olive Leaves as Silent Witnesses of Atmospheric Mercury Pollution
- F.04 **Konstantinos Feroukas** — How porous media heterogeneity controls stirring and dispersion
- F.05 **Eloy Torres** — Development and validation of an analytical method for the quantification of polyethylene micro and nanoplastics in human faeces
- F.06 **Ariel Castro** — Assessing Methodological and Physiological Drivers of Tree Water Isotopic Variability
- F.07 **Nevil Jose** — Photolysis and Transformation of Octocrylene and Its Metabolites in Aquatic Matrices
- F.08 **Luciana Scrinzi** — Drivers of Contaminants of Emerging Concern (CECs) concentration in aquifers and rivers of the Besòs basin (Catalunya, Spain)

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11:00 COFFEE BREAK

11:30 2nd SESSION - ORAL PRESENTATIONS

- O.09 **Paula Andrea Beltran Jimenez** — Ecotoxicological Assessment of UV Filters in Zebrafish Embryos (*Danio rerio*)
- O.10 **Carolina Muñoz Bustamante** — Methodological approach for a simultaneous determination of persistent and non-persistent organic pollutants in human blood. Results from birth cohort studies.
- O.11 **Yajaira Alexandra Castillo Gonzales** — Flow and Mixing in Unsaturated Heterogeneous Soils Under Infiltration-Evaporation cycles
- O.12 **Santiago Gómez Herrera** — Meta-analysis of zebrafish gene expression to uncover toxicity biomarkers

12:10 2nd SESSION - FLASH PRESENTATIONS

- F.09 **Albert Pina** — Multi-Suspect Screening of Polar and Nonpolar Marine Biotoxins Using a Tandem SPE and Dual-Column LC-HRMS Approach
- F.10 **Antonio Ortiz Romero** — Spectral Analysis of Fourier Neural Operator Limitations in Advection-Dominated Geothermal Systems
- F.11 **Albert Egea Guevara** — Modelling the Impact of Insect Herbivory on CO₂ Fluxes in a Subarctic Mountain Birch Forest

12:30 WORKSHOP "MENTAL HEALTH AND WELLBEING"

by Ryan Christopher Armstrong

14:00 LUNCH

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14:45 3rd SESSION - ORAL PRESENTATIONS

- O.13 **Valentina Araya Piqué** — Uncovering the Chemical Burden of Mediterranean Seafood: Multi-class Contaminant Assessment to Support Future Regulation
- O.14 **Esmeralda Ayala** — Assessment of the neurotoxic potential of PM₁₀ extracts from rural Bellver de Cerdanya (Catalonia) using cell-based models
- O.15 **MD Mustak Ahmed** — Photolytic Behavior and Environmental Stability of Plant-Derived UV Filters: Rutin and Quercetin as Sustainable Alternatives to Octocrylene
- O.16 **Maria-Sofia Kapiri** — Iberian Climate Change palaeo archives at the highest temporal resolution for addressing the thermo-hydro-climate unknowns ahead (extreme events)
- O.17 **David Alcaide Benavides** — Simulated Riverine Biodegradation of Bioplastics: Additive Leaching and Dissolved Organic Matter Characterization
- O.18 **Jose Arnal** — Flow-rate distribution in 2D disordered porous media
- O.19 **Iris Caterina Schneider Pérez** — Communicating Science on Natural Hazards: Managing Uncertainty in Multi-Risk Assessment
- O.20 **Francesca De Angelis** — Human Exposure Assessment to Tire-Related Chemicals through Citizen Science and Multi-Matrix Biomonitoring

16:30 3rd SESSION - FLASH PRESENTATIONS

- F.12 **Tobias Grundhöfer** — Flow and transport in karst networks
- F.13 **Chiara Dettoto** — Multiple Stressors in a Mediterranean Lagoon: An Integrated Chemical, Ecotoxicological and Molecular Approach
- F.14 **Sebastián González Fuentes** — Analysis of heat transport in rough rock fractures under multiple surface roughness
- F.15 **Asadulla Hil Galib** — Effect Directed Analysis on Microbial Communities as Indicators of Chemical and Ecotoxicological Quality Status of the Aquatic Environment
- F.16 **Yongting Li** — Method development for the analysis of per- and polyfluorinated chemicals (PFAS) in human blood. Preliminary results from cohort studies
- F.17 **Lisbeth Núñez Haugh** — Integrating 3D geological modelling as the foundation for hydrogeological analysis
- F.18 **Filippo Chierchini** — Non-target screening and physicochemical profiling of infiltrated chemicals in stormwater biofilters

17:00 TRIVIAL

17:40 AWARDS

18:00 GARDEN PARTY AND BACHATA CLASS!