



6th International Conference on Risk Assessment of Pharmaceuticals in the Environment

MONDAY
20 OCTOBER 2025

8:30 Registration

9:00 Welcome Ceremony

SESSION 1 | Chair: Diana S. Aga

9:20 PL1 | *Advances and Challenges in Molecularly Imprinted Electrochemical Sensors for Environmental Applications*

Sibel A. Ozkan, Ankara University

10:10 OC1 | *Monitoring Endocrine-Disrupting Pharmaceuticals in Belgian Tap and Bottled Water: Insights from the AquaGlance Study*

Tess Goessens, Ghent University

10:25 OC2 | *Water fleas as “canaries in the coal mine” for the detection of pharmaceuticals in the environment*

Flavia Melati Chiappara, Dublin City University

10:40 OC3 | *Environmental quantification and fate of therapeutic modified oligonucleotides in mixed liquor suspended solids*

Vanessa Maybruck, University of Colorado Boulder

10:55 Coffee-break

SESSION 2 | Chair: Damià Barceló

11:20 KN1 | *How can antibodies help us in the risk assessment of pharmaceuticals in the environment?*

Rudolf J. Schneider, BAM Federal Institute for Materials Research and Testing

11:50 OC4 | *Lessons Learned from Two Decades of Research on Uncovering Emerging Contaminants and their Ecological Impacts*

Diaga S. Aga, University at Buffalo

12:05 OC5 | *Fabrication of an electrochemical sensor based on nanoclusters with carbon nanotubes for the determination of ethylmorphine*

Merve Yence, Lokman Hekim University

12:20 OC6 | *Nanomaterials-Supported MIP-Based Electrochemical Sensor for the Determination of Lenalidomide: Application to Environmental Matrices*

Farah Elbarghathi, Ankara University

12:35 *The Prince Sultan Bin Abdulaziz International Prize for Water*

12:50 Lunch

SESSION 3 | Chair: Diana Lima

14:00 PL2 | *Intensification of Advanced Oxidation Processes in Multi-Scale Reactors for the Removal of Pharmaceuticals in Water.*

Gianluca Li Puma, University of Palermo

14:50 OC7 | *From powder to beads: synthesis and shaping of an imine-linked triazine porous organic polymer for antibiotic remediation from water*

Pedro M. C. Matias, Universidade de Coimbra

15:05 OC8 | *The Investigation of Simultaneous Nitrate and Pharmaceuticals Removal from Wastewater Treatment Plant Effluents through Sulfur-Based Autotrophic Denitrification Processes*

Cigdem Kalkan Aktan, Marmara University

15:20 OC9 | *Efficient Removal of 17 α -Ethinylestradiol from Water Using Silica-Based Adsorbents: Impact of Organic Functionalities and Water Matrices*

Tiago Morais, Universidade De Aveiro

15:35 OC10 | *Removal of venlafaxine from water through carbon adsorbents produced from spent brewery grains*

Angelica R. Zizzamia, University of Basilicata

15:50 OC11 | *Effect of diclofenac on wastewater treatment with aerobic granular sludge: performance and biopolymer production*

Joana Batista, NOVA FCT

16:05 Coffee-Break

16:30 Poster Session 1

SESSION 4 | Chair: Rudolf J. Schneider

17:00 KN2 | *Electrobiomediation of pharmaceuticals in urban and industrial wastewater: the METFILTER® modular solution*

Abraham Esteve-Núñez, University of Alcalá, IMDEA Agua

17:30 OC12 | *Sustainable Fixed-Bed Adsorption of Antibiotics from Wastewater Using Regenerable Biochar Derived from Brewery Residues*

Érika M. L. Sousa, University of Aveiro

17:45 OC13 | *Efficiency of the Asian Clam in Removing Pharmaceuticals from Wastewater*

André Pereira, University of Coimbra

18:00 OC14 | *Titanium Dioxide Nanoparticles-Integrated with MIP for Highly Selective Electrochemical Cefepime Sensing in Environmental Samples*

Ahmet Cetinkaya, Ankara University

18:30 Social Programme and Conference Dinner

Moliceiro Boat Ride and Dinner at Restaurant Solar do Bacalhau

TUESDAY

21 OCTOBER 2025

8:30 Registration

SESSION 5 | Chair: Susana Loureiro

9:00 PL3 | *Pharmaceutical Pollution Meets Climate Pressure: Aquatic Ecosystems at a Crossroads*

Rosa Freitas, University of Aveiro

9:50 OC15 | *Assessment of the ecotoxicological effects of levamisole, an antiparasitic drug used off-label in aquaculture*

Alyson R. Ribeiro, Federal University of Minas Gerais

10:05 OC16 | *The Effects of Ciprofloxacin on Red Sea Sponge *Stylissa carteri*: Implications of Antibiotic Pollution from Aquaculture*

Sofia C. Walzer, King Abdullah University of Science and Technology

10:20 OC17 | *Hidden costs of beauty: An in vitro study on the ecotoxicological impacts of Parabens and Ultraviolet Filters on the bioindicator species *Mytilus galloprovincialis**

Diana Bordalo, Universidade de Aveiro

10:35 Coffee-break

11:05 Poster Session 2

SESSION 6 | Chair: Rosa Freitas

11:35 KN3 | *Assessing the Environmental Impact of Veterinary Pharmaceuticals*

Lucia De Marchi, University of Pisa

12:05 OC18 | *Microplastics as Vector for Pharmaceuticals: Analytical Challenges and Ecotoxicological Risks in Aquatic Systems*

Ana L Patrício Silva, Universidade de Aveiro

12:20 OC19 | *New Approach Methodologies predict pharmaceutical pollution*

Emma Rowan, Dublin City University

12:35 Lunch

SESSION 7 | Chair: Giuliana Bianco

14:00 KN4 | *Exploring the role of enantioselectivity in environmental process*

Ana Rita Lado Ribeiro, FEUP

14:30 OC20 | *Development and Validation of an Analytical Method for Veterinary Antibiotics in Wastewater Using SPE-HPLC*

Isabel Brás, IPV-ESTGV

14:45 OC21 | *Reuse of reclaimed water (EU 2020/741) and release of treated effluent (EU 2024/3019) – The selection of priority CECs for monitoring plans*

Paola Verlicchi, University of Ferrara

15:00 OC22 | *Advanced Environmental Control Technologies: Integrated Analytical Solutions for Emerging Contaminants (Sponsor | Unicam Sistemas Analíticos Lda)*

Daniel Ettlin, Unicam Sistemas Analíticos Lda

15:20 Coffee-break

SESSION 8 | Chair: Susana Loureiro + Maria Pavlaki

15:50 OC23 | *Boosting the reduction of the environmental impact of pharmaceutical products throughout their entire life cycle*

Chiara Ilgrande, AIMPLAS – Technological Institute of Plastics

16:10 OC24 | *The Need for an Early-Stage Sustainability Assessment Methodology*

Robert Peeling, Britest Ltd

16:30 OC25 | *Modelling the Emissions of Pharmaceuticals to the Environment*

Hongyan Chen, UK Centre for Ecology & Hydrology

16:50 OC26 | *Hazard Assessment of Pharmaceuticals and their Production Process: Diclofenac as a case study*

Carolina A. Machado, Universidade de Aveiro

17:10 Closing Ceremony and Awards