



22nd Annual Workshop on Emerging High-Resolution Mass Spectrometry (HRMS) and LC-MS/MS Applications in Environmental Analysis and Food Safety

7th International Conference on Risk Assessment of Pharmaceuticals In The Environment (ICRAPHE)

Barcelona, 9-11 November 2026

This edition combines two well-established workshops into a single event.

On one side, we present the 22nd HRMS Workshop, focusing on the practical applications of high-resolution mass spectrometry (HRMS) and tandem mass spectrometric techniques for screening and quantification of organic contaminants in environmental and food samples.

On the other side, we feature the 7th ICRAPHE Conference, dedicated to exploring the fate, risk, and removal of pharmaceutical residues in the environment.

This joint workshop provides an informal and interactive platform for scientists from academia, governmental agencies, and industry to share the latest research findings, methods, and ideas in a collaborative environment.

In a similar way as in previous years, the workshop is jointly organized by IDAEA- CSIC (Barcelona, Spain), PSIPW, University of Almería, Académie nationale de Pharmacie and Royal Academy of Pharmacy of Catalonia.

We are waiting for you on 9-11 November 2026!

Prof. Dr. Damià Barceló

University of Almería and Académie nationale de Pharmacie

Organizing and Scientific:

Damia Barceló (chair)

*University of Almería and
Académie nationale de Pharmacie*

Antoni Ginebreda (co-chair)

IDAEA-CSIC, Barcelona

Amadeo R. Fernández-Alba (co-chair)

University of Almería

Andrzej Wnorowski

*Environment and climate change
Canada, Government of Canada,
Ottawa, Canada*

Diana Aga

University of Buffalo, NY, USA

Yves Levy

*Académie nationale de
Pharmacie, Paris, France*

Miquel Salgot

*Royal Academy of Pharmacy of
Catalonia*

Organized by:



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SPEAKERS

Vicente Andreu Pérez, *Universitat de València – CSIC (CIDE), Spain*
Contrasting Mediterranean coastal wetlands: emerging contaminants environmental interactions

Diana S. Aga, *University of Buffalo, NY, US*
Isomers Matter: Revealing the distributions of branched and linear PFAS in environmental samples using cyclic ion mobility spectrometry

Giuliana Bianco, *University of Basilicata, Italy*
High-Resolution Mass Spectrometric Monitoring of Dissolved Organic Matter and Pollutants in Basilicata Region Reservoirs

Vânia Calisto, *University of Aveiro, Portugal*
Biomass-Derived Carbons as a Sustainable Strategy for Mitigating Pharmaceutical Pollution: Challenges and Opportunities

Laura Clarizia, *University of Naples “Federico II”*
Closing the Loop: Solar Hydrogen Production from Wastewater-Derived Organics

Emili Esteve, *Farmaindustria, Spain*
Fair, efficient, and sustainable management of urban wastewater without compromising access to medicinal products

Amadeo R. Fernández-Alba, *University of Almería, Spain*
Two Decades of HRMS in Pesticide Residue Analysis: From Milestones to Future Directions

Pablo Gago Ferrero, *Institute of Environmental Assessment and Water Research (IDAEA-CSIC), Spain*
Beyond Single Samples: Mapping Chemical Transport Across the Human Exposome

Juan Francisco Garcia Reyes, *Department of Analytical Chemistry, University of Jaen, Spain*
Studying the ionization of neutral PFAS with flexible microtube plasma source and LC-MS

Antoni Ginebreda, *Institute of Environmental Assessment and Water Research (IDAEA-CSIC), Spain*
New chemometric approaches on the occurrence and risk assessment modelling of pharmaceuticals in the freshwater environment

Joan O. Grimalt, *Institute of Environmental Assessment and Water Research (IDAEA), Spanish Council for Scientific Research (CSIC), Spain*
Assessment of the health status of the Ebro River after remediation of the dumped waste from a chlor-alkali plant

Barbara Kasprzyk-Hordern, *University of Bath, UK*
Water-based epidemiology for community health early warning: advances in analytics and data triangulation approaches

Demetris F. Lekkas, *University of the Aegean, Greece*
Integrating environmental data with dynamic modelling for urban water risk assessment

Miren López de Alda, *Institute of Environmental Assessment and Water Research (IDAEA-CSIC), Spain*
Advancing Environmental Monitoring Through LC-HRMS-Based Non-Targeted Approaches: From Contamination Profiling to Contaminant Prioritization

Encarnación Moyano, *University of Barcelona, Spain*
Mass Spectrometry and Ion Mobility for the Characterization and Determination of Arsenosugars in Algae

Torsten C. Schmidt, *Instrumental Analytical Chemistry and Centre for Water and Environmental Research (ZWU), University of Duisburg-Essen, Germany*
From source to tap: Perspectives of water monitoring using liquid chromatography high-resolution mass spectrometry

Natalia Soares Quinete, *Florida International University, US*
Expanding the PFAS Atmospheric Inventory: From Legacy Ionic Compounds to Volatile Precursors

Roma Tauler Ferre, *Institute of Environmental Assessment and Water Research (IDAEA-CSIC), Spain*
Comprehensive Chemometric Analysis of Ion Mobility High Resolution Mass Spectrometry Data

Kevin Tucker, *Southern Illinois University Edwardsville, US*
Toxicological Impacts of Environmentally Relevant Pharmaceuticals: Bioconcentration, Tissue-Specific Distribution, and Ecological Implications Revealed by Advanced Mass Spectrometry

Christian Zwiener, *University of Tübingen, Germany*
PFAS in AFFF contaminated sites – What can we learn from LC-HRMS analysis

Important dates

- Abstracts submission deadline: **24th July 2026**
- Abstracts acceptance/rejection confirmation: **31st July 2026**
- Last minute poster abstracts submission deadline: **2nd October 2026**
- Early bird registration deadline: **31st July 2026**

Venue

Residència d'Investigadors

Carrer Hospital, 64
Barcelona
<http://www.residencia-investigadors.es/>

Registration Fees (VAT 21% included)

	Early (until 31st July)	Regular (from 1st August)
General	450,00 €	500,00 €
Ph. D. Student*	175,00 €	250,00 €

The registration fee includes: Attendance to all sessions, a copy of the proceedings (USB), daily lunches, coffee breaks and certificate of attendance.

Technical Secretariat

Activa Congressos

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