



18TH INTERNATIONAL CONFERENCE ON CHEMISTRY AND THE ENVIRONMENT

www.icce2023.com

11 – 15 JUNE 2023 VENICE, ITALY

Venue:

SCIENTIFIC CAMPUS

CA' FOSCARI UNIVERSITY OF VENICE (ITALY)

Conference Program



Ca' Foscari
University
of Venice



Dear colleagues,

On behalf of the Executive Board of the European Chemical Society, I wish you a warm welcome to this 18th International Conference on Chemistry and the Environment. The European Chemical Society – in short EuChemS – is an overarching society at the European level with over 50 national member societies as members. In this way, EuChemS represents approximately 130,000 chemists from all over Europe. Did you ever realize that by being a member of your national society, you are a member of EuChemS too?



The slogan of this conference is 'Towards a pollution free society', which is well aligned with activities from EuChemS. The European Commission recently set up the Zero Pollution Stakeholder Platform and EuChemS was invited to join. The platform will effectively mainstream the Zero Pollution agenda by bringing together stakeholders and experts of different policy areas, including health, agriculture, research and innovation, transport, digitalization, and the environment. EuChemS will emphasize to address the Zero Pollution challenges from the chemistry perspective in a science-based approach.

I am here in the Netherlands, but you are in the beautiful city of Venice, that I am sure will inspire you to have fruitful and constructive discussions on how to get to zero pollution and how to address many other challenges to create a sustainable environment. I wish you a very enjoyable conference!

Floris Rutjens

President of the European Chemical Society (EuChemS)

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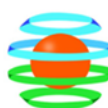
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Silvia Lacorte Bruguera	Institute of Environmental Assessment and Water Research	Spain
Patrik Andersson	Umeå University	Sweden

PROGRAMME OVERVIEW

Sessions

1. Air pollution: chemistry and health risks
2. Airborne transport and subsequent deposition of pesticides in non-target areas
3. Organic and inorganic pollutants in wastewaters and natural waters: treatment processes and emission control technologies
4. Priority and emerging pollutants in natural and drinking waters: occurrence, (bio-)degradation processes, and environmental fate
5. Biologically active substances, transformation products and antibiotic resistance determinants in wastewater and sludge receiving environments
6. Per- and Poly-fluoroalkyl Substances (PFAS) in air, water, soil, sediments, and biota: advances in detection, quantification, remediation, and destruction
7. Joint Sessions DAC-DCE EuChemS: Recent developments in analytical methods for the detection and quantification of persistent and emerging contaminants in the environment
8. Advances in target and non-target screening in environment, food and health related matrices by high resolution mass spectrometry
9. New challenges regarding exposure to nanomaterials: from analytical methods to environmental modelling
11. Joint Session DCE EuChemS - DCE IUPAC: Advances in remediation technologies for the reclamation of soil and sediments contaminated by organic and inorganic pollutants
12. Recent advances in computational approaches for early identification and better understanding of chemical hazards
13. Climate change impacts on the fate and behaviour of nutrients and pollutants in the environment
14. From hazard to risk assessment of chemicals and chemical mixtures for the ecosystems and the human health: exposure, ecotoxicological effects, fate, and modelling
15. Nano- and micro-plastics in the environment
16. Green and sustainable chemistry as an enabler of circular economy: safe-by-design approaches and LCA-based assessment tools
17. Environmental and climate change impacts on cultural heritage
18. New policies, legislation, and communication strategies for a more sustainable management of chemicals to protect environmental resources
19. Higher education in Environmental Science: challenges and innovations
20. PMT/vPvM substances: Occurrence, Assessment, Management and Regulation
21. Joint Session DCE EuChemS – DCE IUPAC: Humic substances (HS) and natural organic matter (NOM) dynamics and environmental impact
22. Integration of experimental and modelling approaches to investigate chemicals behaviour and risk in marine, coastal and transitional environments

Sunday 11th June 2023

8:30	Registration
9:00	Satellite Events
12:00	Lunch
13:00	Satellite Events
16:30	Pause
17:30	Opening Ceremony Plenary Session: Prof. Martin Scheringer Career Award presentation by Prof. Walter Giger
19:30 21:30	Welcoming Party in Forte Marghera

Monday 12th June 2023

8:00	Registration					
8:30	Plenary Session: Prof. Roberto Terzano					
9:15	Move to sessions' location					
		ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5
9:25	Slot OP-1	SE07	SE03	SE04	SE15	SE02
11:30	Coffee break					
11:45	Slot OP-2	SE07	SE03	SE04	SE15	SE02
13:05	Lunch					
14:15	Slot OP-3	SE07	SE03	SE04	SE15	SE13
16:20	Coffee break					
16:35	Slot OP-4		SE03		SE15	SE13
17:40 19:00	Poster session PP-1					

Tuesday 13th June 2023

8:00	Registration					
8:30	Plenary Session: Prof. Christian Zwiener					
9:15	Move to sessions' location					
		ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5
9:25	Slot OP-1	SE08	SE03	SE01	SE15	SE16
11:30	Coffee break					
11:45	Slot OP-2	SE08	SE03	SE01	SE15	SE16
13:05	Lunch					
14:15	Slot OP-3	SE08	SE03	SE01	SE15	SE16
16:20	Coffee break					
16:35	Slot OP-4	SE08		SE01	SE15	
18:05 19:00	Poster session PP-1					

Wednesday 14th June 2023

8:00	Registration					
8:30	Plenary Session: Prof. Adrian Covaci					
9:15	Move to sessions' location					
		ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5
9:25	Slot OP-1	SE11	SE04	SE01	SE09	SE06
11:30	Coffee break					
11:45	Slot OP-2		SE03	SE01	SE09	SE06
13:05	Lunch					
14:15	Slot OP-3	SE21	SE03	SE20	SE05	SE06
16:20	Coffee break					
16:35	Slot OP-4					SE06
17:40 19:00	Poster session PP-2					

Thursday 15th June 2023

8:00	Registration					
8:30	Plenary Session: Prof. Dionysios (Dion) D. Dionysiou					
9:15	Move to sessions' location					
		ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5
9:25	Slot OP-1	SE12	SE14	SE22	SE18	SE20
11:30	Coffee break					
11:45	Slot OP-2	SE12	SE14			
13:05	Lunch - Poster session PP-2					
14:15	Slot OP-3		SE14	SE17		SE19
16:20	Coffee break					
16:35 17:00	Closing Ceremony					

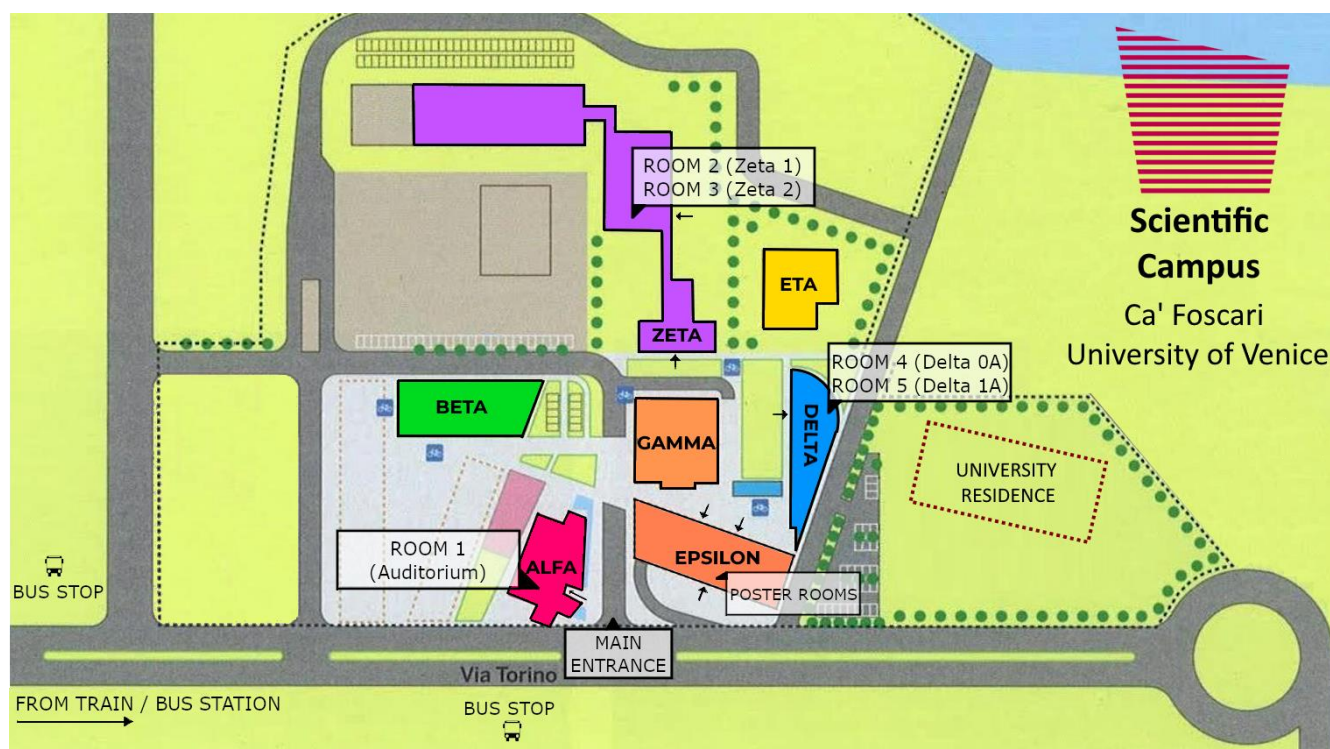
Abbreviation table

KN	Keynote Presentation
OP	Oral Presentation
PP	Poster Presentation
PS	Poster Presentation with spotlight (5 min, 3 slides max)
PP1	Poster session 1 (PP1): Monday (17:40 – 19:00) and Tuesday (18:05 – 19:00)
PP2	Poster session 2 (PP2): Wednesday (17:40 – 19:00) and Thursday (13:05 – 14:15)

The first 3 characters in the poster code represent the session the poster will be displayed, and the number is the number of the poster board. For example, poster PP1_052 will be displayed on Monday and Tuesday on poster board 52.

Since Session "3 - Organic and inorganic pollutants in wastewaters and natural waters: treatment processes and emission control technologies" has oral presentations over three days, poster that belong to this session will be on display for the whole Conference and indicated with the PP2_ prefix.

VENUE MAP



All Satellite Events will be held in classrooms situated in the **Delta building**:

Ground floor: Delta 0A and Delta 0B

First floor: Delta 1A and Delta 1B

Second floor: Delta 2A, Delta 2B, and Delta 2D.

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Waters @ ICCE 2023 – Lunchtime Seminar on June 12th

Room 5 – Starts at: 13.05

Title

High-end analytical solutions for the analysis of Polar Pesticides, Pesticides, Pharmaceuticals, and Personal Care Products, and as well discover the analysis with APGCMSMS

[REGISTER HERE](#)

Abstract

Learn on latest environmental analytical solutions from Waters' experts:

- **Pesticides, pharmaceuticals, and personal care products**
How to develop a multi-residue method for more than 150 compounds with LOQs at 10 ng/l?
- **Polar pesticides**
How to analyze Glyphosate, Glufosinate and AMPA in environmental water with direct injection?
- **Atmospheric Pressure GC-MS**
Discover the four reasons why APGC will change the game for your pesticide and dioxin analysis.

Speakers

- Hannah Willmer, Senior Application Chemist - Waters
- Jenny Davies, Principal Application Chemist - Waters
- Andrea Perissi, Senior MS Sales Development Specialist - Waters

A packed lunch will be provided by Waters to the participants.

DETAILED PROGRAMME – Satellite Events

On **Sunday 11 June 2023**, a set of Satellite Events is offered prior to the opening of the Conference.

Half-day courses are 3 hours in length and are presented either in the morning (09:00-12.30) or afternoon (13:30-16:30), while full-day courses include 3-hour sessions in both the morning and afternoon, with a one-hour lunch break around 12:30.

Lunch will be available to all attendees, and a coffee corner will be present the whole day.

Satellite Events - Sunday 11 June 2023

Time	Title
09:00 - 16:30	The enviPath system for microbial bio-transformation pathway prediction and storage – Introduction and applications by Kathrin Fenner
Room	Kathrin Fenner: <i>Introduction to enviPath</i>
Delta 2B	Jasmin Hafner: <i>Biodegradation data in enviPath: soil, sludge, sediment</i>
	Kunyang Zhang: <i>Introduction to predictive models in enviPath</i>
	Jasmin Hafner, Kunyang Zhang: <i>Hands-on exercises and work on own questions</i>
	Claudia Coll: <i>Using enviPath for transformation product screening in biotransformation experiments</i>
	Sebastian Schmidt: <i>Using enviPath in R&D at a pesticide company</i>
	Jeff Osborn: <i>Using enviPath in biochemistry teaching</i>
	Kunyang Zhang: <i>Ongoing developments of enviPath: automatic rule extraction</i>
	Jörg Wicker: <i>Ongoing developments of enviPath: applicability domain evaluation</i>
	Jasmin Hafner: <i>Developing structure-based half-life prediction models based on enviPath data</i>
Time	Title
09:00 - 15:00	Organic pollutants in polar regions: Where do they come from? by Roland Kallenborn
Room	Roland Kallenborn: <i>Welcome and technical comments</i>
Delta 1A	Cynthia de Wit: <i>Motivation and report concept, Introduction into the topic</i>
	Hayley Hung: <i>Long-range transport – Diffusive pollution sources</i>
	Katrin Vorkamp: <i>Modelling local sources and long-range transport: A case study from Nuuk</i>
	Roland Kallenborn: <i>Domestic, industrial and military pollution sources</i>
	Pernille E. Jensen: <i>Emissions of chemicals with wastewater</i>
	Derek C.G. Muir & Maria Gunnarsdottir: <i>Future perspectives</i>
	Timo Seppälä & Emily Cowan: <i>Regulatory aspects</i>
	Lars-Otto Reiersen: <i>Local contaminant sources in the history of AMAP</i>
	All contributing experts: <i>Open discussion and concluding remarks</i>

Time	Title
09:00 - 15:30	PFAS: from regulatory to analytical challenges by Antonio Marcomini, Christian Zwiener, and Roland Kallenborn
Room Delta 0A	Antonio Marcomini: <i>Welcome and technical comments</i> Wang Zhanyun: <i>Understanding the universe of PFASs: current state and urgent questions</i> Christian Zwiener: <i>Analytical Approaches for Target and Nontarget Screening of PFASs: fundamentals and applications</i> Roland Kallenborn: <i>Atmospheric mobility and distribution of per- and poly-fluoroalkyl substances (PFASs)</i> Antonio Marcomini: <i>PFASs in natural waters and groundwaters: background vs hotspots exposure concentrations</i> All contributing experts: <i>Open discussion and concluding remarks</i>

Time	Title
09:30 - 15:30	Latest developments in analytical technologies and their applications for micro and nano plastic characterisation by Aisha Bibi, Miriam Messiha, and Daniel Hill
Room Delta 2A	Gary Hardiman: <i>Toxicological impacts of micro and nanoplastics on human and environmental health – A systems biology approach</i> Heidi Ottevaere: <i>Raman Spectroscopy and Optical Trapping of Microparticles</i> Stephan Lüttjohann: <i>Advances in fast and accurate detection of microplastics using infrared spectroscopy</i> Aisha Bibi: <i>High throughput SERS measurements for detection of MNPs</i> Syed Atif Iqar: <i>Fluorescence mapping analysis of secondary ultrasonicated microplastics</i> Selim Tanriverdi: <i>Elasto-Inertial Microfluidics for Enrichment of Microplastics</i> Martim Costa: <i>Acoustofluidics for the enrichment of microplastics in water</i> Jordi Valls: <i>Machine Learning based Microplastic classification using IR and μQCL hyperspectral data</i> Clementina Vitali: <i>Analysis of nanoplastic contamination in bottled water via Infrared Nanospectroscopy</i> Mehrdad Choobbari: <i>On the quantitative applications of Raman mapping: Studying the concentration of polymers in blended microplastics</i> Julia Boeke: <i>Advanced Imaging Flow Cytometry for Micro- and Nanoplastics</i> Yuanli Liu: <i>Detection of small microplastics using large area ATR-FTIR</i> Udit Pant: <i>SERS-based low-cost platform for analysing micro-and nanoplastics in food products</i> Ali Can: <i>Cytotoxic effects of polystyrene micro and nanoplastics on human cell lines</i>

Time	Title
09:00 - 12:00	Challenges in Quality Assurance and Quality Control of Micro- and Nanoplastics Analysis by Silvia Lacorte Bruguera, Ralf Kägi, and Thomas Bucheli
Room Delta 1B	Thomas Bucheli: <i>Welcome and technical comments</i> João Pinto Costa: <i>QA/QC challenges in microplastic analyses</i> Bert van Bavel: <i>The needs for reference material and analytical standards to assure the quality of microplastic analysis</i> Silvia Lacorte: <i>Quality control in Py-GC-Orbitrap-MS analysis of microplastics</i> All contributing experts: <i>Discussion on QA/QC for the analysis of microplastics in environmental samples</i>
Time	Title
09:00 - 12:00	How to be successful in scientific publishing by Philippe Garrigues
Room Delta 0B	Philippe Garrigues: <i>Scientific Publishing</i>
Time	Title
13:00 - 14:30	Book Publishing and Innovation @ Springer Nature by Sofia Costa
Room Delta 2D	Sofia Costa: <i>Book Publishing and Innovation</i>

DETAILED PROGRAMME – Oral presentations

Session 1 - Air pollution: chemistry and health risks

Chairpersons: Gerhard Lammel, Pérola de Vasconcellos, and Barend L. van Drooge

Tuesday 13 th June 2023 - ROOM 3 - Slot OP1		
Ambient air pollution and health		
09:30 - 10:00	KN01	Advanced Air Quality Parametres in Europe
	X. Querol	Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
10:00 - 10:15	OP277	Aerosol Characterization in a Central-West Site Of Brazil: Influence of Farming Activities and Toxicity
	P. Vasconcellos	Universidade de São Paulo
10:15 - 10:30	OP285	New Approach Methodologies and Chemometrics to Study the Effects of Airborne Pollution on Lung Health: Application to Air Samples From Suburban and Rural Backgrounds
	C. Bedia	Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
10:30 - 10:45	OP1991	Exploring the Chemical Transformations of Biomass Burning and Diesel Exhausts at the EUPHORE Simulation Chamber
	M. Rodenas	Fundación CEAM. EUPHORE lab
10:45 - 11:00		
11:00 - 11:15	OP294	The Investigation of Biomass Burning Events in The Arctic Using Optical and Chemical Measurements
	E. Barbaro	Ca' Foscari University of Venice, CNR-ISP
11:15 - 11:30	OP900	Good News: Some Insecticides Have been Virtually Eliminated in the Air near the Great Lakes
	M. Venier	Indiana University
Tuesday 13 th June 2023 - ROOM 3 - Slot OP2		
Ambient air pollution: processes - part I		
11:45 - 12:00	OP208	Fast and Cost Efficient Analysis of Organic Molecular Tracer Compounds in PM for Source Apportionment Studies
	B. L. van Drooge	Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
12:00 - 12:15	OP153	Contribution of Atmospheric Nitroaromatic Compounds to Light Absorption of Water-Soluble Brown Carbon and its Potential Aqueous-Phase Formation
	I. Grgić	National Institute of Chemistry
12:15 - 12:30		

12:30 - 12:45	OP57	200 Years of NH₃ Inventory in Europe Inferred From 15N Of NH₄⁺ in Mont-Blanc Ice Core With Unexpected Recent Combustion-Related Emissions
	A. Lamothe	Univ. Grenoble Alpes
12:45 - 13:00	OP280	Spatial and Temporal Variation of Particulate Matter at Micro Level in Different Types of Urban Hotspots in an Indian Metropolis
	D. Madayil	Indian Institute of Technology

Tuesday 13th June 2023 - ROOM 3 - Slot OP3

Ambient air pollution: processes - part II

14:15 - 14:30	OP130	Chemical Composition of PM_{2.5}
	P. Vasconcellos	University of São Paulo (IQ-USP)
14:30 - 14:45	OP217	Re-Emissions of Nitrated and Oxygenated Paks From Land and Sea Surfaces in Source and Receptor Areas
	G. Lammel	Masaryk University, Max Planck Institute for Chemistry
14:45 - 15:00	OP194	Unique Environmental Conditions at Dragon Eye Marine Lake (Croatia) Promoting New Particle Formation
	K. Vidovic	National Institute of Chemistry, Ruđer Bošković Institute
15:00 - 15:15	OP265	Physico-Chemical Characterization of Ultrafine Particles Emitted by Different Transport Modes at Different European Cities
	S. Ridolfo	Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
15:15 - 15:30	OP3005	Ambient Air PM_{2.5} and Associated PAHs Assessment at Urban Background Sites in Bulgaria
	L. Gonsalvesh	Prof. Dr Assen Zlatarov University
15:30 - 15:45	OP192	Vertical Distribution of Organic Aerosols Under Temperature Inversions: Measurement by Using Tethered Balloons
	C. Jaén	Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
15:45 - 16:00	OP321	Atmospheric Sink Mechanism of 4-Isobutylacetophenone, a Toxic Intermediate Product from Ibuprofen Decomposition
	R. I. Olariu	"Alexandru Ioan Cuza" University of Iasi
16:00 - 16:15	OP116	Multi Source Analysis of Vocs in Rural, Semi-Urban and Urban Areas and their Role on Ozone and SOA Formation
	I. Díez-Palet	Institute of Environmental Assessment and Water Research (IDAEA-CSIC)

Tuesday 13th June 2023 - ROOM 3 - Slot OP4

Ambient air pollution and health

16:35 - 16:50	OP1713	Study of CO₂ Adsorption on Activated Carbon Spheres
	I. Pełech	West Pomeranian University of Technology in Szczecin

16:50 - 17:05	OP2485 F. Ippolito	Comparison of Source Apportionment Methods: Receptor Models - PMF and Dispersion Models - Camx/PSAT in Po Valley (Italy) and Catalonia (Spain) Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
17:05 - 17:10	PS2738 PP1_025 A. K. Halse	An Approach to Assess the Biological Effects of Semi-Volatile Organic Chemicals in Indoor Air Norwegian Institute for Air Research (NILU)
17:10 - 17:15	PS210 Poster: PP1_004 B. L. van Drooge	Antibiotic Resistance Genes and Air Pollution in a Primary School in Barcelona Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
17:15 - 17:20		
17:20 - 17:25	PS306 Poster: PP1_006 R. Zangrando	Biomass Burning Traces in the Arctic Atmosphere in Winter, Fairbanks (Alaska) CNR-ISP
17:25 - 17:30	PS369 Poster: PP1_009 F. Monaci	Tracking Long-Term Gaseous Elemental Mercury Concentrations by Passive Air Sampling at an Abandoned Mining Site and Nearby Urban Area University of Siena
17:30 - 17:35	PS2444 Poster: PP1_019 N. Ratola	Passive Air Sampling of Volatile Methylsiloxanes, Synthetic Musks and Pahs in Latin America University of Porto-LEPABE, ALiCE
Wednesday 14th June 2023 - ROOM 3 - Slot OP1 Occupational and indoor air pollution - part I		
09:30 - 09:45	OP1424 M. Ricciardi	A Multi-Analytical Approach for the Identification of Pollutant Sources on Cultural Heritage University of Salerno
09:45 - 10:00	OP259 P. Martinache	Quaternary Ammoniums Compounds in Indoor Environment: Links Between Biocidal Uses and Contamination University Paris Est-Creteil
10:00 - 10:15	OP2504 A. Brunelli	Assessing a Mobile Urban Street Cleaning Activity Ca' Foscari University of Venice
10:15 - 10:30	OP2442 N. Ratola	Presence And Impact of Volatile Methylsiloxanes in the Air of a WWTP and other Indoor Environments University of Porto-LEPABE, ALiCE
10:30 - 10:45	OP2811 J. Palmisani	CO2 Concentration Monitoring inside Educational Buildings as a Strategic Tool to Reduce the Risk of Sars-Cov-2 Airborne Transmission University of Bari
11:15 - 11:30	OP506 S. Lomnicki	Environmentally Persistent Free Radicals - Activation, Chemistry and Impact on Exposure Systems Louisiana State University

11:30 - 11:45	OP424	Pollutant Emissions from Wood-Fired Pizza Ovens
	A. Bergomi	University of Milan

2 - Airborne transport and subsequent deposition of pesticides in non-target areas

Chairpersons: Konstantin Kuppe, Carole Bedos and Ulrike Krug

Monday 12th June 2023 - ROOM 5 - Slot OP1

09:30 - 10:00	KN02	Monitoring of Pesticides in Outdoor Air: the French Case Study
	F. Botta	Anses
10:00 - 10:15	OP167	Long-Range Atmospheric Transport of Currently-Used Pesticides Over Europe
	L. Mayer	Masaryk University
10:15 - 10:30	OP315	Residential Contamination By Agricultural Pesticides in the Bordeaux Wine Region
	R. Teyssere	University of Bordeaux, Bordeaux Hospital, Department of Occupational and Environmental Medicine
10:30 - 10:45	OP426	Formation of Ozone and Secondary Organic Aerosol from the Atmospheric Degradation of Insecticides Mixed with Terpenes Emitted by Citrus and Vineyard Crops
	A. Muñoz	Fundación CEAM. EUPHORE lab
10:45 - 11:00	OP797	Long-Range Atmospheric Transport of Current-Use Plant Protection Products (PPPs) through the Analysis of Sediment Cores from Alpine Lakes
	S. Cirelli	University of Bern
11:00 - 11:15	OP406	New Insights into Pesticide Droplets Dispersion Modelling with a Coupled Lagrangian Stochastic and Second Order Turbulence Model. Comparison with a New French Dispersion Dataset
	B. Loubet	Université Paris-Saclay

Monday 12th June 2023 - ROOM 5 - Slot OP1

11:45 - 11:50	PS159	Principles and Best Practices for Measurements and Data Interpretation of Pesticides in Air
	Poster: PP1_028 M. Bruggemann	Bayer AG
11:50 - 11:55	PS391	Assessment of Atmospheric Organochlorine Pesticides over a Decade in Spain (2008-2019)
	Poster: PP1_030 B. Jiménez	Institute of Organic Chemistry (IQOG-CSIC)
11:55 - 12:00	PS438	Comparative Analysis of Drift in Air Between Conventional and Optimized Application of Pesticides
	Poster: PP1_031 A. Muñoz	Fundación CEAM. EUPHORE lab
12:00 - 12:05	PS2436	Pesticide Inhalation Exposure and Urinary Metabolites Risk Assessment using Conventional and Innovative Cropping Systems in Citrus and Vineyard Crops
	Poster: PP1_032 E. Fuentes	Foundation for the Promotion of Health and Biomedical Research in the Valencia Region

12:05 - 12:10	PS174 Poster: PP1_029 L. Mayer	Improving Knowledge on the Atmospheric Fate of Current-Use Pesticides: A Case Study in Central Europe Masaryk University
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3 - Organic and inorganic pollutants in wastewaters and natural waters: treatment processes and emission control technologies

Chairpersons: Ioannis Katsoyiannis, Urs von Gunten, Stefanie Wieck and Kai Bester

Monday 12 th June 2023 - ROOM 2 - Slot OP1		
Advanced oxidation methods for water treatment: AOPs, UV/O ₃ , UV/H ₂ O ₂ , persulfate, UV/peracids, ozonation - part I		
09:30 - 10:00	KN03 J. Wenk	Microplastic, Trace Contaminant, Antimicrobial Resistance and Nutrient Dynamics in a Conventional Municipal Wastewater Treatment Process Coupled to a Polishing Constructed Wetland University of Bath
10:00 - 10:15	OP366 K. Bester	Venlafaxine and Tramadol Produce Different Ozonation Products in Pure and Wastewater Aarhus University
10:15 - 10:30	OP380 V. Rougé	Ozonation of Secondary Metabolites from Cyanobacteria: Simultaneous Multi-Compound Competition Kinetic Measurements Swiss Federal Institute of Aquatic Science and Technology (Eawag)
10:30 - 10:45	OP68 U. von Gunten	Oxidation of Micropollutants During Drinking Water Ozonation: Formation of Transformation Products and their Fate During Biological Post-Filtration Swiss Federal Institute of Aquatic Science and Technology (Eawag)
10:45 - 11:00	OP188 S. Murgolo	Comprehensive Assessment of Zero-Liquid-Discharge Treatments for Indirect Potable Reuse of Tertiary Wastewater Using Advanced Oxidation Processes Versus Conventional Treatments: Fate of Microbiological Parameters and Compounds of Emerging Concern CNR-IRSA
11:00 - 11:15	OP917 A. Chiavola	Advanced Treatment of WWTP Effluent for the Removal of Contaminants of Emerging Concern: Laboratory and Full-Scale Studies Sapienza University of Rome
11:15 - 11:30		

Monday 12 th June 2023 - ROOM 2 - Slot OP2		
Advanced oxidation methods for water treatment: AOPs, UV/O ₃ , UV/H ₂ O ₂ , persulfate, UV/peracids, ozonation - part II		
11:45 - 12:00	OP355 A. Fiorentino	Removal of Fluoroquinolone Antibiotics from Water by Heterogeneous Fenton Process with Iron Sulphate Modified Biochar University of Salerno

12:00 - 12:15	OP2715	Effluent Organic Matter (EfOM)-Mediated Photosensitized Activation of Monochloramine (NH₂Cl) for Micropollutant Degradation in Treated Wastewater
	S. Lu	The Hong Kong University of Science and Technology
12:15 - 12:30	OP3004	Influence of Bromide and pH Adjustment Strategies on Micropollutant Degradation in the UV/NH₂Cl and UV/NHCl₂ Processes
	K. Wang	The Hong Kong University of Science and Technology
12:30 - 12:45	OP88	Application of Persulfate Oxidation for Secondary Wastewater Disinfection
	C. D. Rodrigues	University of Porto
12:45 - 13:00	OP2535	Photocatalytic ZnO Molecular Foams for the Degradation of Micropollutants
	Z. Warren	University of Bath

Monday 12th June 2023 - ROOM 2 - Slot OP3

Advanced oxidation methods for water treatment: AOPs, photocatalysis and further processes

14:15 - 14:30	OP107	Efficient Removal of AB74 Dye From Wastewater Using Hybrid Catalysts: Comparative Studies on Ce-LDH-GO and Mo-LDH-GO Composites
	R. Zavoianu	University of Bucharest
14:30 - 14:45	OP344	Application of Chemometric Approaches to a Photocatalytic Pilot Plant for Environmental Issues and Study of the Material Recovery
	N. Ghibaudo	Chemistry and Industrial Chemistry Department
14:45 - 15:00	OP2466	Magnetic-Nanocomposite-TiO₂ Immobilized Poly(Ethylene Terephthalate) Beads as Photocatalysts for Removal of Antidepressants Under UV Irradiation at Pilot Plant Scale
	E. Evgenidou	Aristotle University of Thessaloniki, Centre for Interdisciplinary Research and Innovation (CIRI-AUTH)
15:00 - 15:15	OP2475	Efficiency of Buoyant TiO₂-Immobilized Poly (Ethylene Terephthalate) Beads towards Pregabalin Photocatalytic Degradation
	N. M. Ainali	Aristotle University of Thessaloniki, Centre for Interdisciplinary Research and Innovation (CIRI-AUTH)
15:15 - 15:30	OP3001	Immobilised Carbon Nitride for the Photocatalytic Elimination of Psychoactive Pharmaceuticals
	J. Faria	University of Porto
15:30 - 15:45	OP2866	Structured Graphitic Carbon Nitride Films for The Removal of Micropollutants from Urban Wastewaters
	M. J. Sampaio	University of Porto (LSRE-LCM), ALiCE
15:45 - 16:00	OP177	Micropollutants Abatement From Wastewater by Using Alkali-Activated Foams as Catalyst Supports in Advanced Oxidation Processes
	M. Rabbil	University of Oulu
16:00 - 16:15	OP178	Oxidants and Catalysts Free Fast Antibiotics Degradation in Water by Hydrodynamic Cavitation (HC) Treatment Combined with in Situ Generated Electrical Discharge Plasma
	F. Verdini	University of Turin

Monday 12th June 2023 - ROOM 2 - Slot OP4
Advanced oxidation methods for water treatment: AOPs, photocatalysis and further processes

16:35 - 16:50	OP2924	Ultrasound-Enhanced Carbocatalysis Using Iron-Activated Biochar and Peroxymonosulfate: Effect of Frequency on the Removal of Acetaminophen from Waters
	R. Torres-Palma	Universidad de Antioquia (UdeA)
16:50 - 17:05		

Tuesday 13th June 2023 - ROOM 2 - Slot OP1
Adsorption, membranes, and catalysis for wastewater, groundwater, and drinking water treatment - part I

09:30 - 09:45	OP356	Characterizing Inorganic Elements in Urban Treated Wastewater for Sustainable Management: Variability and Fractionation of Metals
	E. Varennes	INRAE, UR REVERSAAL
09:45 - 10:00	OP712	Innovative Technologies for Potential Toxic Elements Water Treatment
	M. E. Pereira	University of Aveiro
10:00 - 10:15	OP1146	Efficient Magnetic Sorbentes for Cleaning Rare Earth Elements from Water
	D. Tavares	University of Aveiro
10:15 - 10:30		
10:30 - 10:45	OP1197	Study of A High-Rejection, Aquaporin-Inside Lab-Scale Hollow Fiber Module for Osmotic Dewatering: Three-Dimensional CFD Modeling and Experiments
	S. Rampriyan	Indian Institute of Technology
10:45 - 11:00	OP29	Driving Resource Resilience: Layered Double Hydroxides for Antibiotic Remediation from Wastewaters
	A. L. Johnston	University of Nottingham
11:00 - 11:15	OP165	Removal of Organic Micropollutants and Heavy Metals in Electrodialysis Treatment for Nutrient Recovery from Nitrified MBR Filtrate
	P. Genz	Helmholtz-Centre for Environmental Research (UFZ)
11:15 - 11:30	OP298	Synergistic Removal of Pharmaceuticals and Emerging Contaminants from Aqueous Solutions: an Investigation of Bi-Metal Catalysts, Magnesium, and Green Hydrogen as Efficient Degradation Agents
	R. Singh	Hochschule Wismar – University of Applied Sciences

Tuesday 13th June 2023 - ROOM 2 - Slot OP2
Adsorption, membranes, and catalysis for wastewater, groundwater, and drinking water treatment - part II

11:45 - 12:00	OP329	A Novel Concept of Environmental Samplers Based on Functionalized Membranes for the Control of Organic and Inorganic Pollutants in Water
	M. E. Antico Daro	University of Girona (UdG)
12:00 - 12:15	OP67	Reactive Black 5 Dye Removal from Wastewater Using Orange, Banana and Pomegranate Peels as Natural Adsorbents
	A. Tolkou	International Hellenic University
12:15 - 12:30	OP253	A New Combination of Dye-Surfactant To Bring Down the Methyl Violet Dye Waste, an Industrial Pollutant: A Pilot Study
	S. Dash	
12:30 - 12:45	OP348	Effect of Molecular Weight of Polyethylenimine on Chromate and Arsenate Adsorption Capacity of Polyethylenimine-Silica Composite Material in Aqueous Media
	M. Xanthopoulou	Aristotle University of Thessaloniki

Tuesday 13th June 2023 - ROOM 2 - Slot OP3
Adsorption, membranes, and catalysis for wastewater, groundwater, and drinking water treatment - part III

14:15 - 14:30	OP61	Enhancing and Sustaining Arsenic Removal in a Zerovalent Iron-Based Magnetic Flow-Through Water Treatment System
	Y. Jiang	The Hong Kong Polytechnic University
14:30 - 14:45	OP1791	Efficient Cadmium Removal From Aqueous Solution Using Sustainable Clay/Polymer Composite Beads: Kinetic, Equilibrium and Thermodynamic Study
	K. Achcharar	University of Poitiers
14:45 - 15:00	OP2857	Treating Waste with Waste – the Use of Spent Tea and Coffee Wastes as Adsorption Media for Wastewater Treatment
	T. Dugmore	University of York
15:00 - 15:15	OP73	Wastewater Filtration Using Adsorbents Based on Spent Coffee Grounds
	I. Block	Universität Potsdam
15:15 - 15:30		
15:30 - 15:45	OP1427	Electrochemical Removal of Phosphorus from Simulated Wastewater
	A. Lopes	Universidade da Beira Interior

Wednesday 14th June 2023 - ROOM 2 - Slot OP2
Disinfection by-products – a challenge for science and regulation

11:45 - 12:00	OP44	Advancing the Reactive Nitrogen Species Pathway for N-Nitrosodimethylamine (NDMA) Formation in Chloramine Systems: Nitrogen and Oxygen Mass Balances from Dichloramine Decay
	J. Fairey	University of Arkansas

12:00 - 12:15	OP338	Formation of Nitrogenous Disinfection by-Products Under Various Climate Change Scenarios
	A. Kozari	Aristotle University of Thessaloniki
12:15 - 12:30	OP2115	Development of Membrane Introduction Mass Spectrometry Method for the Quantification of Bromochloramines
	Y. Xiang	Université de Poitiers
12:30 - 12:45	OP405	Analysis of Disinfection By-Products (DBPs) In Laboratory Disinfection Simulations and From Genuine Disinfection Uses – Analytical Challenges and Factors Influencing DBP Formation
	M. Hüben	Fraunhofer Institute for Molecular Biology and Applied Ecology IME
12:45 - 13:00	OP410	Metal-Organic Frameworks as Efficient Adsorbents of Drinking Water Disinfection By-Products
	G. S. Cano	R&D&I Department, IMDEA Energy Institute

Wednesday 14th June 2023 - ROOM 2 - Slot OP3
Organic micropollutants in urban waters: emissions, metabolization and chemical transformation

14:15 - 14:30	OP260	A Survey of Industrial N-Nitrosamine Discharges in Switzerland
	F. Breider	Ecole Polytechnique Fédérale de Lausanne
14:30 - 14:45	OP98	Combined Sewer Overflows - Do Biocides Play a Role?
	C. Meier	German Environment Agency (UBA)
14:45 - 15:00	OP2876	Photochemical Transformation of Thiophenes in the Aquatic Environment
	O. Yushchenko	Institute of Biogeochemistry and Pollutant Dynamics (IBP)
15:00 - 15:15	OP230	Attenuation of Trace Organic Compounds Along Specific Hyporheic Flow Paths
	C. Reith	Leibniz Institute of Freshwater Ecology and Inland Fisheries, Technical University of Berlin
15:15 - 15:30	OP320	Coupled Physical and Chemical Fouling Control Methods in Submerged Anaerobic Ceramic Membrane Bioreactor System Treating High Strength Food Wastewater
	S. Lee	Sungkyunkwan University
15:30 - 15:45	OP375	Hydrochar or Biochar Amendments to Increase the Retention of Organic Micropollutants and Pathogens in Managed Aquifer Recharge Systems (MAR)
	U. E. Bollmann	Geological Survey of Denmark and Greenland (GEUS)
15:45 - 16:00	OP198	Long-Term Drift in Several Properties of Newer Pharmaceuticals: Are They Increasingly Recalcitrant to Removal in Wastewater Treatment?
	D. Tedoldi	Univ Lyon

4 - Priority and emerging pollutants in natural and drinking waters: occurrence, (bio-)degradation processes, and environmental fate

Chairpersons: Dionysios Dionysiou, Teresa Mairinger and Davide V. Vione

Monday 12 th June 2023 - ROOM 3 - Slot OP1		
Analysis, occurrence, and fate of contaminants in the environment - part I		
09:30 - 10:00	KN04	Plant Protection Product Residues in the Environment – Still Analytical and Environmental Challenges to Overcome!
	J. Hollender	Swiss Federal Institute of Aquatic Science and Technology (Eawag)
10:00 - 10:15	OP172	Active Ingredient Emissions Via Wastewater from Pharmaceutical Formulation Sites – A Reason for Concern?
	J. Bosshard	Swiss Federal Institute of Aquatic Science and Technology (Eawag)
10:15 - 10:30	OP40	Passive Sampler-Derived Concentrations of Pops in the Waters of the World –First Results from the AQUA-GAPS/MONET Network
	B. Vrana	Masaryk University
10:30 - 10:45	OP433	Spatial and Temporal Trends of 64 Pesticides and Their Removal from Australian Wastewater
	E. Knight	The University of Queensland
10:45 - 11:00	OP109	Assessing the Temporal Trends Of Halogenated Flame Retardants in Air, Precipitation, Herring Gull Eggs and Lake Trout in Lake Ontario, Canada
	H. Hung	ECCC
11:00 – 11:15	OP266	Benzothiazoles as a Molecular Markers for Automobile Tire-Derived Inputs: Occurrence and Phase Distribution in Highway Runoff and Road Dust
	M. Feltracco	Ca' Foscari University of Venice
11:15 – 11:30	OP111	A Meta-Analysis of Urban Stormwater Events to Evaluate the Role of Site and Storm Characteristics on Organic Contaminant Concentrations
	L. Graves	Eberhard Karls University of Tübingen
Monday 12 th June 2023 - ROOM 3 - Slot OP2		
Analysis, occurrence, and fate of contaminant in the environment - part II		
11:45 - 12:00	OP310	Leaching of Degradation Products DMS and DMSA From Cyazofamid Shows Shortcomings in EFSA Risk Assessment
	N. Badawi	Geological Survey of Denmark and Greenland (GEUS)
12:00 - 12:15	OP72	Investigation of Mutagenic Aromatic Amines in Municipal Wastewaters Using Passive Sampling
	S. Krupčíková	Masaryk University
12:15 - 12:30	OP336	First Groundwater Monitoring for Modern Pesticides in Mayabeque, Cuba
	D. S. Pacheco	Centro Nacional de Sanidad Agropecuaria
12:30 - 12:45	OP189	Double Role of Photochemistry as Source and Sink of Nanoplastic Dissolution Products in Aqueous Environments
	D. Vione	University of Turin
	OP83	

12:45 -
 13:00

M. Minella

Use of a Simple Two-Media Degradation Model to Evaluate the Environmental Fate of a Semivolatile Transformation Product of Ibuprofen

University of Turin

Monday 12th June 2023 - ROOM 3 - Slot OP3
Biodegradation and photodegradation of contaminants in the environment and engineered treatment systems

 14:15 -
 14:30

14:30 - 14:45	OP282	Biodegradation of Water-Soluble Polymers in Wastewater Systems: Process Insights and Implications for Testing
	M. Zumstein	University of Vienna
14:45 - 15:00	OP173	A Metatranscriptomics-Derived Laccase-Mediator System for Organic Pollutants Bioremediation: From Experimental Observations to Quantum Chemical Predictions
	Y. Yu	Swiss Federal Institute of Aquatic Science and Technology (Eawag)
15:00 - 15:15	OP397	Enzyme@Metal-Organic Framework Composites as a Future Alternative for Plastic Degradation in Polluted Waters
	I. Rincón	IMDEA Energy Institute
15:15 - 15:30	OP289	A New Concept to Classify the Biodegradability of Chemical Substances with a Microbial Array
	G. Thouand	University of Nantes
15:30 - 15:45	OP214	Impacts of Oxygen Depleted Zones on the Transformation of Halogenated Pharmaceuticals
	K. Gerundt	Technische Universität Berlin
15:45 - 16:00	OP110	Controlling Trichloroethene Aerobic Cometabolism Rate and Microbial Biomass Using Acetylene
	J. Skinner	Arizona State University, Haley & Aldrich
16:00 - 16:15	OP330	Removal of Contaminants of Emerging Concern From Sewage: Activated Sludge Vs. Biofilter Technology
	C. De Ceglie	Water Research Institute C.N.R.

Wednesday 14th June 2023- ROOM 2 - Slot OP1
Analysis, occurrence, fate and treatment of contaminants

09:30 - 09:45	OP64	Sodium Alginate/B-Cyclodextrin Immobilized Multi-Walled Carbon Nanotubes Hydrogel Adsorbent for Nickel (II) Metal Ion Removal
	A. Farhani Zakaria	Universiti Putra Malaysia
09:45 - 09:50	PS112 Poster: PP2_001	Performance Comparison of Three Passive Samplers for Monitoring of Polar Organic Contaminants in Treated Municipal Wastewater
	P. Fialová	Masaryk University
09:50 - 09:55	PS301 Poster: PP2_002	Target and Suspect Screening of Organic Contaminants in Sediments by Pressurized Liquid Extraction and GC-APGC-Q-ToF-MS
	M. de la Luz Tovar Salvador	University of Cadiz

09:55 - 10:00	PS420 Poster: PP2_003 C. Pinto	Analysis of Glyphosate, Glufosinate and AMPA in environmental water with direct injection Waters Corporation
10:00 - 10:05	PS377 Poster: PP2_004 N. Đurišić-Mladenović	Analysis of Poly- and Perfluoroalkyl Substances (Pfass) in the Danube River Water Samples from Serbia University of Novi Sad
10:05 - 10:10	PS378 Poster: PP2_005 J. Živančev	Wide-Scope Target Screening of Pharmaceuticals in the Danube River Water Samples by Ultra-Performance Liquid Chromatography Coupled with High-Resolution Mass Spectrometry University of Novi Sad
10:10 - 10:15	PS400 Poster: PP2_006 R. Rios-Quintero	Assessing the Contamination and Tidal Influence of Emerging Contaminants in the Guadalquivir River Estuary, SW Spain University of Cadiz
10:15 - 10:20	PS425 Poster: PP2_007 D. Drożdżyński	Removal of Pesticide and Pharmaceutical Residues During Riverbank Filtration Institute of Plant Protection – National Research Institute Poznan
10:20 - 10:25	PS332 Poster: PP2_008 M. B. Zekkoub	Investigation of the Adsorption of a Low-Molecular-Weight Sodium Polyacrylate on Calcite Electricité De France (EDF)
10:25 - 10:30	PS490 Poster: PP2_009 L. Cerasino	Toxins in Biofilms of Lakes and Rivers, an Emerging Threat for Public Health in a Scenario of Climate Changes Fondazione Edmund Mach
10:30 - 10:35	PS191 Poster: PP2_011 P. Šebej	Photochemical Degradation of Common Xanthene Diagnostic Dyes: What is the Fate of Fluorescein, Eosin and Rose Bengal? Masaryk University

5 - Biologically active substances, transformation products and antibiotic resistance determinants in wastewater and sludge receiving environments

Chairpersons: Costas Michael and Vasiliki Beretsou

Wednesday 14th June 2023- ROOM 4 - Slot OP3

14:15 - 14:45	KN05 A. R. Lado Ribeiro	Environmental Enantioselectivity of Chiral Pharmaceuticals University of Porto
14:45 - 15:00	OP368 K. Bester	Biodegradation of Benzalkonium Compounds (BACs) Under Different Conditions – Pathways, Kinetics and Removal Aarhus University
15:00 - 15:15	OP383 H. Švecová	Pharmaceuticals From Wastewater in Plants: Lettuce as an Antidepressant? University of South Bohemia in České Budějovice

15:15 - 15:30	OP225	Comparative Phenotypic and Molecular Characterization of Clinical and Aquatic Multidrug Resistant <i>Acinetobacter Baumannii</i> Circulating Clones Isolated in Romania for Four Consecutive Years
	I. G. Barbu	University of Bucharest
15:30 - 15:45		
15:45 - 16:00	OP404	Bioinformatic Insights into Resistant <i>Escherichia Coli</i> Isolated from Different Aquatic Environments in Romania
	M. Surleac	National Institute for Infectious Diseases, University of Bucharest

6 - Per- and Poly-fluoroalkyl Substances (PFAS) in air, water, soil, sediments, and biota: advances in detection, quantification, remediation, and destruction

Chairpersons: Christian Zwiener and Boguslaw Buszewski

Wednesday 14 th June 2023- ROOM 5 - Slot OP1		
Recent advances in analysis and screening for PFAS in environmental media		
09:30 - 10:00	KN06	PFASs on Molecular and on Planetary Levels: Sequential Removal of CF₂ Groups from Certain PFASs and Expansion of PFAS Name to All Substances with CF₂ Group
	V. Nikiforov	The Climate and Environmental Research Institute NILU
10:00 - 10:15	OP195	Application of a Novel PFAS Prioritization Technique (MD/C-M/C Approach) to Identify Microbial Transformation Products of The Aqueous Film-Forming Foam (AFFF) Component Capstone A
	B. Bugsel	Universität Tübingen
10:15 - 10:30	OP2450	HRMS Workflows Reveal Target and Suspect PFAS in Landfill Leachates: Identification and Evaluation of their Potential Risk to Environment
	S. Petromelidou	Aristotle University of Thessaloniki, Centre for Interdisciplinary Research and Innovation (CIRI-AUTH)
10:30 - 10:45	OP273	HR-CS-GFMS a Versatile Screening Tool for Pfas in Various Environmental Samples
	F. Simon	Federal Institute for Materials Research and Testing (BAM)
10:45 - 11:00	OP155	Highly PFAS Contaminated Field Site in Germany: Non-Target Screening Via Fragment Mass Differences and Kendrick Mass Defect Analysis
	J. Zweigle	Universität Tübingen
11:00 - 11:15	OP920	Adaptation of Large Panels of Per- and Polyfluorinated Alkyl Substances (PFAS) for Routine Analysis in Drinking and Environmental Waters by Direct Injection Using UHPLC-MS/MS
	C. Pinto	Waters Corporation
11:15 - 11:30	OP2753	Solving the PFAS Challenge: Comprehensive Screening in a Single Run from Organisms at Different Trophic Levels
	N. Van Den Borg	National and Kapodistrian University of Athens

Wednesday 14th June 2023- ROOM 5 - Slot OP2
Developed and emerging treatment technologies for the removal and destruction of PFAS from air, water, soil, and sediments

11:45 - 12:00	OP77	Pathways to Zero Fluoro-Pollution
	Z. Wei	Centre for Water Technology (WATEC)
12:00 - 12:15	OP322	Performance of Colloidal Activated Carbon as In-Situ Sorbent for PFAS Contaminated Sites
	A. Schierz	Helmholtz-Centre for Environmental Research (UFZ)
12:15 - 12:30	OP156	3D Printed In₂O₃ Superstructures: a New Adsorptive Photocatalyst for Removal of PFAS in Water
	A. Martins	University of Bath
12:30 - 12:45	OP295	Electrosorption of Perfluoroalkyl Acids - A Strategy For More Sustainable Water Treatment
	A. Georgi	Helmholtz-Centre for Environmental Research (UFZ)
12:45 - 13:00	OP314	Coupling Low Pressure RO Membrane with Anodic Electro-Oxidation for the Treatment of PFAS Contaminated Water
	L. Saleh	Université de Poitiers

Wednesday 14th June 2023- ROOM 5 - Slot OP3
Advances in occurrence, fate, and bioaccumulation of legacy and emerging PFAS - part I

14:15 - 14:30	OP2688	PFAS, from here to Eternity - or maybe not
	V. Beskoski	University of Belgrade-Faculty of Chemistry
14:30 - 14:45	OP2813	H2020 PROMISCES - PFAS and Persistent Mobile Chemicals in the Treatment and Circular Management of Environmental Matrices: Results in the 2nd Year of Activity of the Italian Cluster
	M. Lazzazzara	Acea Elaborasi S.p.A.
14:45 - 15:00	OP352	Levels and Trends of Perfluoroalkyl Substances Regulated Under the Stockholm Convention in Water From the Duero Basin in Spain
	P. Colomer-Vidal	Institute of Organic Chemistry (IQOG-CSIC)
15:00 - 15:15	OP46	Estimating Annual PFAS Loads in WWTP Influent Using a Source-Based Modelling Approach
	N. Krlovic	Institute for Water Quality and Resource Management
15:15 - 15:30	OP718	Transfer of PFAS From Soil Into Plants and its Relevance for PFAS Regulation in Germany
	L. Gehrenkemper	German Environment Agency (UBA)
15:30 - 15:45	OP439	Perfluoroalkyl Substances: from the Epidemiological Evidence to The Novel Models of Toxicodynamics
	L. D. Toni	University of Padua
15:45 - 16:00	OP437	Unveiling the Molecular Basis of Long and Short Chain Pfcass-Binding to Serum Albumin and their Potential Applications
	A. Angelini	Ca' Foscari University of Venice, European Centre for Living Technology (ECLT)

16:00 - 16:15	OP250	Using the Northern Gannet (<i>Morus Bassanus</i>) as a Sentinel of Environmental Changes of Pfas Prior and After Restrictions
	M. G. Pereira	UK Centre for Ecology and Hydrology

Wednesday 14th June 2023- ROOM 5 - Slot OP4		
Advances in occurrence, fate, and bioaccumulation of legacy and emerging PFAS - part II		
16:35 - 16:50	OP349	Gulls (<i>Larus Michahellis</i>) as Biomonitors of Pfas Pollution: What we Find and What are the Environmental Implications
	B. O. Nolla	Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
16:50 - 17:05	OP2686	What's in my Wastewater? Tracing 'Forever Chemicals': the Fate of PFAS throughout the Urban WWTP Process
	L. Dockx	Aquafin NV

7 - Joint Sessions DAC-DCE EuChemS: Recent developments in analytical methods for the detection and quantification of persistent and emerging contaminants in the environment

Chairpersons: Slavica Razic, Silvia Lacorte Bruguera, Boguslaw Buszewski and Maria Concetta Bruzzoniti

Monday 12th June 2023 - ROOM 1 - Slot OP1		
09:30 - 10:00	KN07a	Sensor Systems in Water Analytics
	G. Gauglitz	University of Tübingen
10:00 - 10:15	OP312	X-Ray Absorption Spectroscopy for Food Safety: Assessment of Arsenic Uptake and Accumulation in Grapevine
	C. Petroselli	University of Perugia
10:15 - 10:30	OP12	Quorum-Sensing Based Electrode as a Promising Technique for Biofilm Detection
	W. S. Gadol	Egyptian Petroleum Research Institute (EPRI)
10:30 - 10:45	OP28	Possibilities and Limitations of Modern Electroanalytical Methods in Environmental Analysis
	J. Barek	Charles University
10:45 - 11:00	OP79	Greener Sample Preparation Method for Direct Determination of Toxic Metals in River Sediments Using Functionalized Ionic Liquids
	S. Ražić	University of Belgrade
11:00 - 11:15	OP262	Identification and Quantification of Synthetic Musks Fragrances in Freshwaters
	S. Tasselli	CNR-IRSA
11:15 - 11:30	OP326	Residues of Drugs of Abuse in an Urban Aquifer: Chemical Analysis and Solute Transport Modelling
	E. Heath	Jožef Stefan institute

Monday 12th June 2023 - ROOM 1 - Slot OP2

11:45 - 12:00	OP327	Residues of Modern Pesticides in Soils and Potatoes from Tropical Agroecosystems in Mayabeque, Cuba
	B. P. Suárez	Centro Nacional de Sanidad Agropecuaria (CENSA)
12:00 - 12:15	OP394	Historical Records of Plant Protection Product Deposition in Lakes under Anthropogenic Pressure
	A. Chiaia-Hernandez	University of Bern
12:15 - 12:30	OP703	The Rare Earth Elements Distribution in Lake Sediments as an Indicator of Surface Water Redox Potential and Micropollution
	R. I. Olariu	University of Iasi
12:30 - 12:45	OP935	An Efficient d-SPE Method for Multi-Residue Fungicides Enrichment from River Water Samples Based on a Newly Synthesized Chitosan Derivative
	L. Martello	Aristotle University of Thessaloniki , Center for Interdisciplinary Research and Innovation (CIRI-AUTH)
12:45 - 13:00	OP2477	Biomonitoring Strategies to Determine Legacy and Emerging Contaminants for Environmental Protection Purposes
	S. Lacorte	Institute of Environmental Assessment and Water Research (IDAEA-CSIC)

Monday 12th June 2023 - ROOM 1 - Slot OP3

14:15 - 14:45	KN07b	Trace Analytics of Pharmaceutical Substances in the Environment – Opportunities and Challenges
	P. Stepnowski	University of Gdansk
14:45 - 15:00	OP219	Development of Enzyme-Based Amperometric Nitrite Biosensor Using Films of Chitosan and Multi-walled Carbon Nanotubes
	M. Özkan	Gebze Technical University
15:00 - 15:15	OP2366	Towards Community Health Surveillance in Wastewater Treatment Plants and More – Setting Up Methods and Chasing Antibiotics, Microorganisms and AMR in Untreated Waters and Bioaerosols
	P. Barbieri	University of Trieste

8 - Advances in target and non-target screening in environment, food and health related matrices by high resolution mass spectrometry

Chairpersons: Adrian Covaci and Ester Heath

Tuesday 13th June 2023 - ROOM 1 - Slot OP1

09:30 - 10:00	KN08	Complementary Techniques for GC-MS Environmental Analysis
	A. Lebedev	Moscow State University
10:00 - 10:15	OP99	Regulatory Use of Non-Target Screening Data in the Aquatic Environment
	A. L. Kronsbein	German Environment Agency (UBA)
10:15 - 10:30	OP154	Ice Cores: Unique Environmental Archives for Non-Target Screening Reconstructions of Natural and Anthropogenic Aerosol Compounds
	F. Burgay	Paul Scherrer Institut, University of Bern
10:30 - 10:45	OP247	Open and FAIR Transformation Product Data for Improved Suspect/Non-Target Screening: Reftsps in the NORMAN-SLE, Pubchem And Patroon
	P. Chirsir	University of Luxembourg
10:45 - 11:00	OP1645	Landfill Leachates as a Prominent Source of Opfrs and their Transformation Products Based on Hrms Suspect Screening
	L. A. Koronaiou	Aristotle University of Thessaloniki, Centre for Interdisciplinary Research and Innovation (CIRI-AUTH)
11:00 - 11:15	OP2493	The Role of Mass Spectral Libraries in the Circular Economy of Plastics
	Y. Simón-Manso	National Institute of Standards and Technology
11:15 - 11:30	OP1445	Exploring Structure Database, Suspect and Non-Target HRMS Workflows for Comprehensive Screening of Unknown Transformation Products of Pharmaceuticals in Complex Environmental Matrices
	D. A. Lambropoulou	Aristotle University of Thessaloniki, Centre for Interdisciplinary Research and Innovation (CIRI-AUTH)

Tuesday 13th June 2023 - ROOM 1 - Slot OP2

11:45 - 12:00	OP59	Prioritizing Molecular Formulae Identified by Non-Target Analysis Through High-Throughput Modelling: Application to Identify Compounds with High Human Accumulation Potential from House Dust
	F. Wania	University of Toronto Scarborough
12:00 - 12:15	OP2706	Non-Target Screening and Contaminant Profiling of House Dust Collected Across Europe by Comprehensive Two-Dimensional Gas Chromatography - Mass Spectrometry and Multi-Variate Statistical Evaluation
	P. Haglund	Umeå University

12:15 - 12:30	OP3015	Targeted and Non-Targeted PFAS Analysis in Environmental Matrices by LC/Q-TOF
	L. Zingaro	Agilent Technologies
12:30 - 12:45	OP1423	Analytical and Effect-Based Methods Available for the Environmental Monitoring of Endocrine Disrupting Compounds at the EU Scale
	K. Vorkamp	Aarhus University
12:45 - 13:00	OP408	Chlorinated Organic Compounds in Concrete as Specific Markers for Chlorine Gas Exposure
	N. Hamzah	University of Helsinki

Tuesday 13th June 2023 - ROOM 1 - Slot OP3

14:15 - 14:30	OP393	Addressing the Occurrence of Drugs of Abuse and New Psychoactive Substances in Educational Institutions using Wastewater Analysis
	T. Verovšek	Jožef Stefan Institute, Jožef Stefan International Postgraduate School
14:30 - 14:45	OP307	Headspace-Solid Phase Microextraction Followed by Gas Chromatography Mass Spectrometry for Microplastics Identification and Quantification
	M. B. Kralj	University of Ljubljana
14:45 - 15:00	OP292	Resolving Complex Mixtures of Microplastics, Plasticizers and Associated Contaminants in Air Samples Using Pyr-GC-Orbitrap
	A. Torres-Agullo	Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
15:00 - 15:15	OP275	Doxazosin Degradation – Photocatalytic Degradation Versus Gamma Irradiation
	P. Trebse	University of Ljubljana
15:15 - 15:30	OP2905	Investigation of VocS Sourced from the Poultry Farm Environment
	E. Olkowska	Medical University of Gdansk
15:30 - 15:45	OP1802	Compound Specific Isotope Analysis - New Challenges in Environmental and Food Studies
	N. Ogrinc	Jožef Stefan Institute
15:45 - 16:00	OP51	Pesticide Occurrence in Edible Insects From Asia, Europe and Africa Using Liquid Chromatography Coupled to High-Resolution or Tandem Mass Spectrometry
	A. M. Schönleben	University of Antwerp
16:00 - 16:15	OP283	Time-Trend Guided Non-Target Screening of Baltic Sea Blue Mussel (1994–2017) and Eelpout (1994–2017) by Gas Chromatography-High-Resolution Mass Spectrometry
	A. Rebryk	Umeå University

Tuesday 13th June 2023 - ROOM 1 - Slot OP4

16:35 - 16:50	- OP108	Analytical Workflow for Chemical Exposomics in Human Plasma by Gas Chromatography High Resolution Mass Spectrometry
	H. Xie	Stockholm University
16:50 - 17:05	- OP2751	Wide-Scope Target Screening by LC-HRMS Combined with Fast Ion Mobility – the Answer to Environmental and Human Biomonitoring Challenges
	K. Diamanti	National and Kapodistrian University of Athens
17:05 - 17:10	- PS90	Analysis of Fish Samples by GC-Orbitrap Applying the ROIMCR Chemometric Approach
	Poster: PP1_110 A. Q. Beltran	Institute of Environmental Assessment and Water Research (IDAEA-CSIC)

9 - New challenges regarding exposure to nanomaterials: from analytical methods to environmental modelling

Chairpersons: Ralf Kägi and Elena Badetti

Wednesday 14th June 2023- ROOM 4 - Slot OP1

09:30 - 10:00	KN09	Including Particle Characteristics in Modelling Environmental Exposure of Nanomaterials
	B. Nowack	Empa-Swiss Federal Laboratories for Materials Science and Technology
10:00 - 10:15	OP2529	Modeling the Fate and Transport of Zn Nanoparticles in a River using the Environmental Release Predicted by the Material Flow Analysis
	Y. C. Hsieh	National Cheng Kung University
10:15 - 10:30	OP402	Development and Application of a Two-Dimensional (2D) Particle Analysis Method Based on DMA-Spicp-MS Towards Characterization of Complex Nanoparticles in Wastewater and Airborne Particulate Matters
	W. Hou	National Cheng Kung University
10:30 - 10:45	OP2812	Investigation on the Potential Migration of Multicomponent Nanomaterials into Food Simulants from Food Packaging
	A. Brunelli	Ca' Foscari University of Venice
10:45 - 11:00	OP2901	Characterization of Multi-Composite Nanomaterials for Supporting Safe and Sustainable by Design Strategies
	E. Badetti	Ca' Foscari University of Venice
11:00 - 11:15	OP158	How Nematodes Respond to Nanoformulations of Tebuconazole: A Comparison Study in Single Species and Community Level of Nematode
	M. E. Nejad	Research Centre for Toxic Compounds in the Environment (RECETOX)
11:15 - 11:30	OP2812	Electrochemical Determination of Thiamethoxam in Food and Water Samples via on Fe₂O₃ -Melamine Schiff Base Derived G-C₃N₄ Composite
	A. Kapoor	Dr. B.R Ambedkar National Institute of Technology

Wednesday 14th June 2023- ROOM 4 - Slot OP2

11:45 - 12:00	OP3013	Interaction between Nanomaterials and Perfluorooctanoic Acid in Aqueous Media
	F. Calore	Ca' Foscari University of Venice
12:00 - 12:15	OP3023	Tire Wear Particles in Coastal Areas: Are There Suitable Chemical Indicators of Exposure in Blue Mussel (<i>Mytilus edulis</i>)?
	A. G. Foscari Widmann Rezzonico	Helmholtz-Centre for Environmental Research (UFZ)
12:15 - 12:20	PS407	The Stability of TiO₂-Rgo Self-Cleaning Photocatalytic Coatings for Outdoor Applications
	Poster: PP2_032 I. Tismanar	Transilvania University of Brasov

11 - Joint Session DCE EuChemS - DCE IUPAC: Advances in remediation technologies for the reclamation of soil and sediments contaminated by organic and inorganic pollutants

Chairpersons: Melanie Kah, Thomas Bucheli, and Vladimir Beskoski

Wednesday 14th June 2023- ROOM 1 - Slot OP1

09:30 - 10:00	KN11	Bioavailability Reductions Through Nature-Based Remediation of Soils and Sediments: Potential Regulatory Aspects
	J. J. Ortega-Calvo	Instituto de Recursos Naturales y Agrobiología de Sevilla Consejo Superior de Investigaciones Científicas Avda
10:00 - 10:15	OP205	Potentialities of Fungi Bioaugmentation for Improving Bioremediation of Co-Contaminated (Pahs, Trace Metals) Industrial Soils
	F. Portet-Koltalo	Université de Rouen-Normandie
10:15 - 10:30	OP414	Nanoscale and Microscale Zero-Valent Iron for in Situ Chemical Reduction of Mixed Chlorinated Hydrocarbons at a Petrochemical Site: Preliminary Batch Tests
	T. Tosco	Politecnico di Torino
10:30 - 10:45	OP388	Can the Composition of Plant's Guttation Fluids Be used to Assess the Effectiveness of Soil Remediation? First Evidence from Phytostabilization Experiments
	C. Porfido	University of Bari
10:45 - 11:00	OP3009	End-Of-Waste From Pyrite Ashes Contaminated Soils Through HPSS Application
	P. Scanferla	Fondazione Università Ca' Foscari
11:00 - 11:05	PS2465	STAR-LCA: Simplified Tool to Assess Remediation by LCA
	Poster: PP2_033 M. Menegaldo	GreenDecision s.r.l.
11:05 - 11:10	PS357	Sediment Quality Assessment of the Begej Canal – Ecotoxicological Tests
	Poster: PP2_035 T. Tomic	University of Novi Sad
11:10 -	PS96	

11:15	Poster: PP2_036	Sorption of Organic Xenobiotics on Soil Organic Matter Requires Attention to Electrolytes as Well as Organic Matter Itself: A Case Study of Acetamiprid
	H. Murano	Meijo University
11:15 – 11:20	PS138 Poster: PP2_034	Potential Applications of Candida Parapsilosis CMGB-YT in Biosurfactant Mediated Bioremediation
	V. Corbu	University of Bucharest

12 - Recent advances in computational approaches for early identification and better understanding of chemical hazards

Chairpersons: Patrik L. Andersson and Ester Papa

Thursday 15 th June 2023 - ROOM 1 - Slot OP1		
Assessment of PBT-properties		
09:30 - 10:00	KN12	Recent In Silico Model for Hazard Assessment and Early Warning
	E. Benfenati	Mario Negri Institute
10:00 - 10:15	OP2913	Machine Learning Models for Predicting the Rejection Rates of Organic Contaminants by Forward Osmosis and Reverse Osmosis Membranes
	A. Tayara	The Hong Kong University of Science and Technology
10:15 - 10:30	OP787	Investigating Differences in Kinetics of PFAS in a Mixture Exposure Scenario With Physiologically Based Kinetic Modeling
	E. Dracheva	Umeå University
10:30 - 10:45	OP42	Explainable Deep Learning for Early Environmental Safety - Understanding Bioaccumulation of Organic Molecules
	S. Schmidt	Bayer AG
10:45 - 11:00	OP62	New Approaches to Predict Environmental Biodegradation Half-Lives from Structure
	J. Hafner	University of Zürich
11:00 – 11:15	OP184	Automatic Extraction of Optimized Reaction Patterns for the Prediction of Environmental Contaminant Biotransformation Pathways
	K. Zhang	Swiss Federal Institute of Aquatic Science and Technology (Eawag), University of Zürich
11:15 – 11:30	OP1177	Free in-Silico Tools for the Prediction and Screening of Hazard Properties of Chemicals
	E. Papa	University of Insubria

Thursday 15th June 2023 - ROOM 1 - Slot OP2
General strategies and case studies

11:45 - 12:00	OP286	Nexus Between Life Cycle Assessment and Environmental Analytical Chemistry
	F. Passarini	University of Bologna
12:00 - 12:15	OP264	Meta-Analyses for the Elucidation of Micropollutant Degradation Pathways During Wastewater Treatment: Application to Sulfamethoxazole
	A. Azais	INRAE
12:15 - 12:30	OP2744	Development of an In Silico Driven Early Warning System for Identification of Potential New Emerging Risk Chemicals in the European Partnership Program PARC
	P. Andersson	Umeå University
12:30 - 12:35	PS240 Poster: PP2_037	Triclosan and its Metabolites as Potential Thyroid-Disrupting Chemicals: In Silico Analysis
	N. Milić	University of Novi Sad
12:35 - 12:40	PS1725 Poster: PP2_038	An Overview of QSAR Models for the Prediction of Thyroid Disruption-related Endpoints
	E. Papa	University of Insubria

13 - Climate change impacts on the fate and behaviour of nutrients and pollutants in the environment

Chairpersons: Antonio Marcomini, Carlo Barbante, Silvia Torresan, and Eduarda Pereira

Monday 12th June 2023 - ROOM 5 - Slot OP3

14:15 - 14:45	- KN13	Beyond the Limits of Environmental Analysis for Climate Research
	C. Barbante	Institute of Polar Sciences, CNR, Ca' Foscari University of Venice
14:45 - 15:00	- OP2498	Climate Change Problem and Implementation of Potential Solutions: Post-Combustion CO₂ Capture with Membranes
	A. Zouboulis	Aristotle University of Thessaloniki
15:00 - 15:15	- OP148	Impact of Temperature and Soil Organic Content on the Mixture Toxicity of Emerging Contaminants on E. Crypticus
	E. Topuz	Gebze Technical University
15:15 - 15:30	- OP201	Water Scarcity and Wastewater Treatment: Effects on Nutrient Concentration and Dynamics in Alpine Streams
	S. Bertolotti	University of Turin
15:30 - 15:45	- OP309	Machine Learning as a Key Digital Tool for Shaping Environmental Change Processes
	E. Furlan	Ca' Foscari University of Venice, Centro Euro-Mediterraneo sui Cambiamenti Climatici
15:45 - 16:00	- OP412	Personal Care Products in Antarctic snow: Regional and Seasonal Distribution
	M. Vecchiato	CNR-ISP, Ca' Foscari University of Venice

16:00 - 16:15	OP53	Bromine, Iodine and Mercury Spatial Variability and Seasonal Accumulation Along the EAIIST Traverse
	G. Celli	Ca'Foscari University of Venice

Monday 12th June 2023 - ROOM 5 - Slot OP4

16:35 - 16:40	PS2881 Poster: PP1_045 G. Gržinić	Impact of Increased Number of High Temperature Days on Atmospheric PM Pollution from Intensive Poultry Farming Medical University of Gdansk
16:40 - 16:45	PS376 Poster: PP1_038 S. Meroni	Black Carbon and Organic Carbon Impact in the Tropical Andes: the Case of Shallap Glacier (Cordillera Blanca) University of Milan - Bicocca
16:45 - 16:50	PS1303 Poster: PP1_041 E. Schaad	Determining the Fate and Behavior of Plant Protection Products (PPPs) in Lakes and Water-Sediment Interface under a Changing Climate Using Passive Sampling University of Bern
16:50 - 16:55	PS2472 Poster: PP1_043 E. Korejwo	Mercury at the Base of Trophic Pyramid in Admiralty Bay, Antarctica Polish Academy of Sciences
16:55 - 17:00	PS248 Poster: PP1_036 S. Frassati	Preliminary Study of the Photodegradation of Bisphenol A (BPA) in Artificial Snow Samples Ca' Foscari University of Venice

14 - From hazard to risk assessment of chemicals and chemical mixtures for the ecosystems and the human health: exposure, ecotoxicological effects, fate, and modelling

Chairpersons: Philippe Garrigue and Silvia Lacorte Bruguera

Thursday 15th June 2023 - ROOM 2 - Slot OP1

09:30 - 10:00	KN14 E. Heath	Treated Wastewater Reuse: Uptake of Chemicals of Emerging Concern and Risks Jožef Stefan institute
10:00 - 10:15	OP50 S. Yin	Assessment of Silicone Wristbands for Monitoring Personal Exposure to Chlorinated Paraffins (C8-36): A Pilot Study University of Antwerp, Interdisciplinary Research Academy (IRA)
10:15 - 10:30	OP666 F. Soheilifard	Evaluating environmental impacts of different pest control practices across Europe Technical University of Denmark
10:30 - 10:45	OP58 F. Wania	Toxic Organic Chemicals in a Globally Connected World: Quantifying Real and Virtual Flows Embodied in the International Trade of Chemicals, Products and Wastes University of Toronto Scarborough

10:45 - 11:00	OP2748	Environmental exposure and ecotoxicological properties of a new generation fluorosurfactant (cC6O4): a comparison with selected legacy perfluoroalkyl acids
	E. C. Bizzotto	Fondazione Università Ca' Foscari
11:00 - 11:15	OP339	Exposure of Organic Micropollutants in Greater Flamingo from the Ebro Delta Natural Park
	M. Dulsat-Masvidal	Institute of Environmental Assessment and Water Research (IDAEA-CSIC)

Thursday 15th June 2023 - ROOM 2 - Slot OP2

11:45 - 12:00	OP300	Contribution of RAMAN Spectroscopy to Assess Cadmium Toxicity on Marine Mussel (<i>Mytilus edulis</i>)
	M. J. Durand	Nantes Université
12:00 - 12:15	OP384	The Bioaccumulation of Pharmaceuticals and Their Metabolites in Early Developmental Stages of Brown Trout
	K. Grabicová	University of South Bohemia in České Budějovice
12:15 - 12:30	OP149	How Error-prone Bioaccumulation Experiments Affect the Risk Assessment of Hydrophobic Chemicals and What Could Be Improved
	M. Scheringer	Institute of Biogeochemistry and Pollutant Dynamics (IBP)
12:30 - 12:45	OP423	The Effect of Effluent Discharge from a Municipal Wastewater Treatment Plant on the Ecotoxicity of a Relatively Small Watercourse in Aartselaar, Belgium
	B. Raes	Aquafin NV
12:45 - 13:00	OP1184	Removal Efficacy and Aquatic Hazard Reduction of Psychoactive Drugs by a Pond Treatment System
	G. Fedorova	University of South Bohemia in České Budějovice

Thursday 15th June 2023 - ROOM 2 - Slot OP3

14:15 - 14:30	OP31	Prediction Model for Bioaccumulation of Toxic Metals in Medicinal Plants
	G. G. Vasile	National Research and Development Institute for Industrial Ecology-ECOIND
14:30 - 14:45	OP143	Wastewater-derived Organic Contaminants Driven by Reclaimed Wastewater Reuse in Agricultural Irrigation: Dietary Exposure and Potential Risks to the Environment and Human Health
	L. H. Santos	Catalan Institute for Water Research (ICRA-CERCA), University of Girona
14:45 - 15:00	OP1512	Identification of Biological Effect Drivers in Complex Environmental Mixtures Using Pull-Down Assay Based on Specific Protein-Ligand Interaction
	K. Hilscherova	Masaryk University
15:00 - 15:15	OP185	Characterization of Dissipation Pathways for Pharmaceuticals in Natural Soils – A Modelling Approach
	M. Böckmann	Eberhard Karls University of Tübingen

15:15 - 15:20	PS150 Poster: PP2_039 S. Sousa	Analysis of Sixty Environmental Contaminants in Human Adipose Tissue with a Single Extraction-Method Greenness Assessment REQUIMTE/LAQV, Center for Research in Health Technologies and Information Systems, Universidade do Porto
15:20 - 15:25	PS1411 Poster: PP2_040 A. Jędruch	Impact of Beach Recreation on Environmental Quality of Coastal Areas of the Southern Baltic Sea University of Gdańsk, Polish Academy of Sciences

15 - Nano- and micro-plastics in the environment

Chairpersons: Roland Kallenborn and Hemda Garelick

Monday 12 th June 2023 - ROOM 4 - Slot OP1		
Microplastics analysis - part I		
09:30 - 10:00	KN15 N. Zumbülte	Analysing Microplastics in the Environment – Challenges and Pitfalls German Technical and Scientific Association of Gas and Water (DVGW)
10:00 - 10:15	OP364 G. Crosset-Perrotin	Validation of Analytical Chain for the Quantification of Microplastics in Sewage Sludge Swiss Federal Institute of Aquatic Science and Technology (Eawag)
10:15 - 10:30	OP19 V. C. Fernandes	A Novel and Validate Method for Extraction and Analysis of Several Microplastics in Water Samples Instituto Superior de Engenharia do Porto
10:30 - 10:45	OP417 P. Pastorino	High-Mountain Lakes as Indicators of Microplastic Pollution: Insights from Cottian Alps Istituto Zooprofilattico Sperimentale del Piemonte
10:45 - 11:00	OP84 G. Zuri	Airborne Microplastics in Outdoor and Indoor Environments Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
11:00 - 11:15	OP237 E. Gregoris	A New Approach for Polymers Analysis in Atmospheric Aerosol by Direct Inlet Pyrolysis Gas Chromatography-Mass Spectrometry (Py-GC/MS) CNR
11:15 - 11:30	OP1518 J. Stoffel	Quality Assurance and Automation of Microplastics Analysis Swiss Federal Laboratories for Materials Science and Technology (EMPA)

Monday 12th June 2023 - ROOM 4 - Slot OP2
Microplastics analysis - part II & Environmental levels - part I

11:45 - 12:00	OP1868	Technical Aspects for Microplastics Analysis Using Py-GC/MS, Exemplified on a PVC-PMMA Polymer Blend
	A. Moraz	Swiss Federal Research Station for Agroecology and Agriculture (Agroscope), Swiss Federal Institute of Aquatic Science and Technology (Eawag)
12:00 - 12:15	OP94	Towards a Quantitative Analysis of Polymer Concentration in Blended Microplastics Using 3-D Micro-Raman Spectroscopy
	M. L. Choobbari	Vrije Universiteit Brussel
12:15 - 12:30	OP135	Detection of Small Microplastics Using Large Area ATR-FTIR
	Y. Liu	Aalborg University
12:30 - 12:45	OP2455	Microplastics Analysis in the Environment - Quantification through a Combination of Optical and Raman Microscopy Enhanced by Machine Learning Evaluation
	D. Fischer	Leibniz-Institut für Polymerforschung Dresden

Monday 12th June 2023 - ROOM 4 - Slot OP3
Environmental levels - part II & Fate and environmental behaviour - part I

14:15 - 14:30	OP113	Chemical Characterization of Tire Wear Particles (Twps) Through Cross-Validation of Different Techniques
	F. Corami	CNR-ISP
14:30 - 14:45	OP140	Analysis of Nanoplastic Contamination in Bottled Water via Infrared Nanospectroscopy
	C. Vitali	Wageningen University & Research
14:45 - 15:00	OP100	Occurrence of Microplastic in an Environmentally Protected Wetland Area in Hungary
	B. Prikler	Eurofins Analytical Services Hungary Kft., Institute of Aquaculture and Environmental Safety
15:00 - 15:15	OP304	Raman Tweezers for Micro and Nanoplastics Analysis in Watery Ecosystems
	P. G. Gucciardi	CNR-IPCF
15:15 - 15:30	OP183	Assessing Applicability of Asymmetric Flow Field-Flow Fractionation as a Tool for Nanoplastics Analysis in Micro- and Macrocosms
	M. Hayder	University of Amsterdam
15:30 - 15:45	OP220	New Insights into Microplastic Pollution Levels at Wastewater Treatment Plant: Removal Efficiency and Distribution Across Treatment Stages
	S. Pleskytė	Center for Physical Sciences and Technology
15:45 - 16:00	OP131	Analysis of Microplastics in Treated Communal Wastewater and the Recipient Surface Waters in the Danube River Basin
	G. Bordós	Eurofins Analytical Services Hungary Kft.
16:00 - 16:15	OP145	Effects of Natural Weathering of Polystyrene Microplastic on the Leaching of Brominated Flame Retardant Additives and Sorption of PFAS in the Marine Environment: Laboratory and Field Experiments
	I. Tolosa	IAEA Marine Environment Laboratories

Monday 12th June 2023 - ROOM 4 - Slot OP4
Fate and environmental behaviour - part II

16:35 - 16:50	OP200	Microplastics in a Conventional Wastewater Treatment Plant: Analysis, Distribution, and Environmental Emissions
	S. Cavazzoli	University of Trento
16:50 - 16:55	PS114 Poster: PP1_049	Additives, Plasticizers, Small Microplastics (<100 Mm), and other Microlitter Components in the Gastrointestinal Tract of Commercial Teleost Fish: Method of Extraction, Purification, Quantification, and Characterization Using Micro-FTIR
	F. Corami	CNR-ISP
16:55 - 17:00	PS132 Poster: PP1_051	Plastic-Related Chemicals in the Soil From the Natural Park of Montesinho
	D. Rede	REQUIMTE/LAQV
17:00 - 17:05	PS361 Poster: PP1_060	The Disparity in Scientific Investigation: Microplastics are Ubiquitous but only when Accessible
	L. Tseng	Colgate University
17:05 - 17:10	PS2915 Poster: PP1_068	Microplastic Characterization and Screening by Combining DART and High-Resolution Mass Spectrometry
	G. Labella	Bruker Daltonik GmbH

Tuesday 13th June 2023 - ROOM 4 - Slot OP1
Fate and environmental behaviour - part III

09:30 - 09:45	OP335	Microplastics in the Environmental Compartments: Occurrence and Characterization
	L. Rivoira	University of Turin
09:45 - 10:00	OP1796	Microplastic Records in Sediment Cores in Huguangyan Maar Lake, China
	Y. Zhang	Aarhus University, Nanjing Normal University
10:00 - 10:15	OP868	Sorption Behavior of Antibiotics on Virgin and Aged PLA and PET Microplastics in Aqueous Matrices
	D. Kalaronis	Aristotle University of Thessaloniki
10:15 - 10:30	OP440	Fragmentation of Plastics in Shore Zones - Results of a Mesocosm Study
	S. Meinecke	German Environment Agency (UBA)
10:30 - 10:45	OP297	Occurrence of Plastic and Tire Additives and their Transformation Products in the Danube
	R. Peng	University of Vienna
10:45 - 11:00	OP345	Interaction of Nanoplastics with Freshwater and <i>Pseudomonas Aeruginosa</i> Biofilm
	Y. Zhang	Université de Poitiers
11:00 - 11:15	OP897	Does PTFE Degrade at High Pressure in the Deep Ocean? a Model Process Observed in a Common LC-Pump
	V. Nikiforov	The Climate and Environmental Research Institute NILU
11:15 - 11:30	OP1520	Biological Uptake of Organic Contaminants from Car Tire Particles
	C. Halsband	Akvaplan-niva

Tuesday 13th June 2023 - ROOM 4 - Slot OP2
Microplastics effects - part I

11:45 - 12:00	OP193	Exposure of the Aquatic Insect <i>Chironomus Riparius</i> to Cryogenically Milled Tire Tread Leads to Bioaccumulation of Rubber Additives and to Potential Trophic Transfer to Fish
	T. Masset	Ecole Polytechnique Fédérale de Lausanne
12:00 - 12:15	OP328	A New Potential Route of Exposure for Microplastics and Nanoplastics: An Investigation of Common Hygiene Products
	H. Garelick	Middlesex University London
12:15 - 12:30	OP65	Fertigating Soil with Wood Distillate as a Possible Green Strategy to Mitigate the Impact of Bioplastic on Plants
	S. Celletti	University of Siena
12:30 - 12:45	OP2509	The Effects of MPs on the Radish Production and Bioaccumulation of Pesticides
	H. Ju	Wageningen University & Research
12:45 - 13:00	OP392	The Influence of Polystyrene Nanoplastics on the Uptake and Distribution of Elements in Tomato Plants
	J. Vidmar	Jožef Stefan Institute, Jožef Stefan International Postgraduate School

Tuesday 13th June 2023 - ROOM 4 - Slot OP2
Microplastics effects - part II & Application and regulation

14:15 - 14:30	OP287	Acute Effect of Nanoplastics on Daphnia And Gammarus Neonates in Comparing Natural Freshwaters
	W. Liu	University of Geneva
14:30 - 14:45	OP2803	Polyethylene Terephthalate (PET) Photolysis on Surfaces
	A. Nobahar	University of the Algarve
14:45 - 15:00	OP2859	Biodegradable Microcapsules as a Repellent Solution for Malaria Control
	V. Sousa	University of Minho
15:00 - 15:15	OP213	What Can we Learn from Biodegradation of Natural Polymers for Regulation?
	S. Hahn	Fraunhofer ITEM

16 - Green and sustainable chemistry as an enabler of circular economy: safe-by-design approaches and LCA-based assessment tools

Chairpersons: Henning Friege, Elena Semenzin, and Hans-Christian Stolzenberg

Tuesday 13 th June 2023 - ROOM 5 - Slot OP1		
Sustainable chemistry as a driver of international chemicals management		
09:30 - 10:00	KN16	How To Measure Sustainability in International Chemicals Management?
	C. Blum	German Environment Agency (UBA)
10:00 - 10:15	OP1114	Safe and Sustainable by Design chemicals and materials: JRC framework, Case Studies and Lessons Learnt
	E. Abbate	European Commission- Joint Research Centre (JRC)
10:15 - 10:30	OP202	A Legally Binding Framework for Sustainable Management of Chemicals and Materials – an Illusion or a Long-Term Goal?
	K. Steinhäuser	
10:30 - 10:45	OP2461	Practical Guidance to a Holistic Safe And Sustainable by Design (SSBD) Approach for Advanced Materials
	L. Pizzol	GreenDecision s.r.l.
10:45 - 11:00	OP30	Identifying Global Regions with Pesticide Pressure Exceeding Protective Freshwater Ecosystem Boundaries
	M. B. Kosnik	Technical University of Denmark
11:00 - 11:30		Discussion

Tuesday 13 th June 2023 - ROOM 5 - Slot OP2		
Approaches to green and sustainable chemistry - life cycle assessments		
11:45 - 12:00	OP387	Integrating Risk Assessment and Life Cycle Assessment: Opportunities and Challenges
	E. Abbate	Radboud University, European Commission (JRC)
12:00 - 12:15	OP2462	A Comparative Life Cycle Assessment of Two Tanning Processes: Innovative Green Organic vs Traditional Chrome-Based
	M. Menegaldo	Ca' Foscari University of Venice
12:15 - 12:30	OP169	Life Cycle Assessment (LCA) of a Bio-Fuel Cell Fed with Waste Biomass: Potential for Scale-Up and Process Optimization
	E. Rossi	University of Bologna
12:30 - 12:45	OP104	A Novel Approach for Environmentally Friendly Dairy Farms: The CO₂-RFP Strategy
	A. Gueddari-Aourir	Castilla-La Mancha University
12:45 - 13:00	OP243	Alginate Derivatives: a Green Alternative for Industrial Tanning
	I. Quaratesi	National Research & Development Institute for Textiles and Leather

Tuesday 13th June 2023 - ROOM 5 - Slot OP1
Valorisation of renewable material and waste

14:15 - 14:30	OP2862	Hybridization of Pineapple Leaf Fiber with Natural Nanotube as Promising Sustainable Fillers for Improving Mechanical Properties of Epoxy Composite
	N. Klinthooptamrong	Mahidol University
14:30 - 14:45	OP86	A New Highly Active Hybrid Guanidine Zinc Catalyst for Lactide Polymerization and the Fast and Selective Chemical Recycling of (Bio)polyesters
	M. Fuchs	RWTH Aachen University
14:45 - 15:00	OP2927	Catalysts for a Sustainable Future: from Synthetic Fuels to Water Treatment
	J. L. Faria	University of Porto (LSRE-LCM), ALiCE
15:00 - 15:15	OP66	Single and Combined Effect of Soil Amendment With Biochar and Wood Distillate in Young Vine Plants
	S. Celletti	University of Siena
15:15 - 15:30	OP313	Effect of Biochar Addition on the Behavior of the Allelochemical S-Carvone in Agricultural Soils
	J. A. G. Pérez	Instituto de Recursos Naturales y Agrobiología de Sevilla (IRNAS-CSIC)
15:30 - 15:45	OP2854	Waste to Energy: Agro-industrial Waste Valorisation Toward Enriched Pellet Production
	Z. Simic	Innovation Center of the Faculty of Technology and Metallurgy
15:45 - 15:50	PS2914	Waste to Energy: Food Waste Valorisation toward Biofuel Production
	Poster: PP1_089 G. R. Ivaniš	University of Belgrade

17 - Environmental and climate change impacts on cultural heritage

Chairpersons: Elisabetta Zendri

Thursday 15th June 2023 - ROOM 3 - Slot OP3

14:15 - 14:45	KN17	Damage Functions – Models of Material Response to Stress in a Museum Environment
	M. Strlič	University of Ljubljana
14:45 - 15:00	OP182	Formulation of Synthetic Particulate Matter and Development of a Deposition Technique for Corrosion Studies
	E. Bernardi	University of Bologna
15:00 - 15:15	OP382	Holistic Approach to the Examination of the Environment and Climate Influence on the Stone Façade of the XVIII Century
	S. Vučetić	University of Novi Sad
15:15 - 15:20	PS216	Sustainable Conservation of Cultural Heritage Through Alternative Solutions for Mitigating Biodeterioration Based on Plant Extracts or Silver Derived Nanoparticles
	Poster: PP2_062 V. M. Corbu	University of Bucharest, Research Institute of the University of Bucharest
15:20 - 15:25	PS2864	Evaluation and Monitoring of Climate Change Impacts on Architectural Surfaces in Venice
	Poster: PP2_063 M. Gnemmi	Ca'Foscari University of Venice

18 - New policies, legislation, and communication strategies for a more sustainable management of chemicals to protect environmental resources

Chairpersons: Martin Scheringer and Fabrizio Passarini

Thursday 15th June 2023 - ROOM 4 - Slot OP1

09:30 - 10:00	KN18	Needs for Researchers in the Science-Policy Interface on Chemicals, Waste and Pollution Prevention and Ways of Effective Participation
	Z. Wang	ETH Zürich
10:00 - 10:15	OP2934	Nitrogen Wars - Consequences of Failing Nitrogen Policy
	W.T. de Lange	Environment Agency Groningen, LaMilCo Consultancy
10:15 - 10:30	OP379	Study on a Co-Benefit Legal and Policy Frameworks for Driving Toward Zero Emissions of Air Pollutants and Greenhouse Gases in Asia Region Using Policy Simulation with Cost-Benefit Analysis Models
	E. Komatsu	Meiji University Centre for Environmental Law and Policy
10:30 - 10:45	OP409	Availability of Data from Environmental Risk Assessments of Medicinal Products Status Quo and Proposed Monograph System for Environmental Data
	S. Schwonbeck	Fraunhofer ITEM
10:45 - 11:00	OP772	Environmental Life Cycle Assessment Applied to Medical Devices
	A. Zabeo	GreenDecision s.r.l.

19 - Higher education in Environmental Science: challenges and innovations

Chairpersons: Ivana Ivančev-Tumbas and Gerhard Lammel

Thursday 15th June 2023 - ROOM 5 - Slot OP3

14:15 - 14:45	KN19	Environment and Health: What Did We Learn After Five Years of Running Comprehensive Interdisciplinary Bachelor and Master Study Programmes in Brno, Czech Republic?
	P. Šebej	Masaryk University
14:45 - 15:00	OP239	Higher Education Modernization-Pharmacist and Environmental Science
	N. Milić	University of Novi Sad
15:00 - 15:15	OP256	Research Guided Academic Teaching Concepts for Interdisciplinary Education in Arctic Environmental Sciences
	R. Kallenborn	Norwegian University of Life Sciences (NMBU)
15:15 - 15:30	OP3006	Can Master Students Experience and Learning Outcome be Improved?
	Y. Stenstrøm	Norwegian University of Life Sciences, Oslo Metropolitan University

15:30 - 15:45	OP3028	Linking the Research and Education in an Intensive R&D and Innovation Process – A Model of the Jožef Stefan International Postgraduate School
	M. Horvat	Jožef Stefan Institute
15:45 - 16:00	OP3011	Wrapping Up the Education Challenges To Be Able To Innovate Successfully
	I. Ivancev-Tumbas	University of Novi Sad

20 - PMT/vPvM substances: Occurrence, Assessment, Management and Regulation

Chairpersons: Michael Neumann, Thorsten Reemtsma, and Hans Peter Arp

Wednesday 14th June 2023- ROOM 3 - Slot OP3

14:15 - 14:45	KN20	How Far Have We Advanced in the Analytical Determination of Persistent and Mobile (Organic) Chemicals?
	J. Quintana	Universidade de Santiago de Compostela
14:45 - 15:00	OP2732	Closing the Gap: Ion Chromatography Coupled to High-Resolution Mass Spectrometry to Trace Highly Polar Anionic Substances in Groundwater
	J. Schorr	Swiss Federal Institute of Aquatic Science and Technology (Eawag), Institute of Biogeochemistry and Pollutant Dynamics
15:00 - 15:15	OP422	Read-Across in Practice: Biotransformation Potential Between Activated Sludge and the Environment
	C. Coll	Swiss Federal Institute of Aquatic Science and Technology (Eawag), Syngenta Crop Protection AG
15:15 - 15:30	OP160	Leachability as a Measure for Substance Mobility in the PMT/vPvM Framework
	D. Skodras	Fraunhofer Institute for Molecular Biology and Applied Ecology IME
15:30 - 15:45	OP228	Exploring Organic Carbon–Water Partition Ratio (KOC) Data for Mobility Hazard and Exposure Assessments Using Big Data Approaches
	S. Baskaran	Norwegian Geotechnical Institute (NGI)
15:45 - 16:00	OP430	Grouping Persistent and Mobile Substances to Expedite Assessments and Avoid Regrettable Substitution
	H. P. Arp	Norwegian Geotechnical Institute, Norwegian University of Science and Technology (NTNU)
16:00 - 16:15	OP761	Comprehensive Investigation of Climbazole and its Transformation Products in Environmental Matrices: Assessing their Persistence, Mobility and Toxicity
	K. Anagnostopoulou	Aristotle University of Thessaloniki, Centre for Interdisciplinary Research and Innovation (CIRI-AUTH)

Thursday 15th June 2023 - ROOM 5 - Slot OP1

09:30 - 09:45	OP204	Are Ozonation and Activated Carbon Filtration Effective Barriers Against Persistent and Mobile Chemicals? - A Monitoring and Screening Study on Wastewater Treatment Helmholtz-Centre for Environmental Research (UFZ)
	D. Zahn	
09:45 - 10:00	OP1881	Stormwater PMT Substances: Removal and Transport in Columns Amended with Carbon-Based Materials Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
	M. Teixido	
10:00 - 10:15	OP89	Limits and Opportunities of Sorption Technology for the Removal of PMT and vPvM Substances from Water Wageningen University
	G. Sigmund	
10:15 - 10:30	OP296	Where do PM Chemicals Come From: Searching for Sources in the Sewer System Helmholtz-Centre for Environmental Research (UFZ)
	A. Seelig	
10:30 - 10:45	OP726	Identifying Urban Pollutant Sources: Biocide Leaching from Paint and Render Helmholtz-Centre for Environmental Research (UFZ), Wirtschaft und Kultur (HTWK)
	M. Balda	
10:45 - 10:50	PS276 Poster: PP2_064 S. Perez	Seeking vPvM in Urban Groundwaters with a Method Combining Evaporation and HILIC-Orbitrap-MS ONHEALTH
10:50 - 10:55	PS395 Poster: PP2_065 T. Hensel	Usage of Tube Passive Sampler for Surveillance of Trace Parameters in Industrial Wastewater in Urban Industrial Sites Berliner Wasserbetriebe

21 - Joint Session DCE EuChemS – DCE IUPAC: Humic substances (HS) and natural organic matter (NOM) dynamics and environmental impact

Chairpersons: Roberto Terzano and Claudio Zaccone

Wednesday 14th June 2023- ROOM 1 - Slot OP3

14:15 - 14:45	KN21	The Unique Role of Natural Nonliving Organic Matter (NOM) and Humic Substances (HS) in the Environment With Emphasis on Soil University of Bari "Aldo Moro"
	N. Senesi	
14:45 - 15:00	OP129	The Effect of Organic Matter on the Photolysis of Emerging Compounds (Ecs): Mixture of Organic Ecs, Microplastics and Nanoparticles Gebze Technical University
	E. Topuz	
15:00 - 15:15	OP358	High-Frequency and in Situ Fluorescence Measurements Of Organic Matter Quality And Quantity In Wastewater For Better Treatment Process Control University Paris Est-Creteil
	A. Goffin	

22 - Integration of experimental and modelling approaches to investigate chemicals behaviour and risk in marine, coastal and transitional environments

Chairpersons: Fani Sakellariadou and Loris Calgaro

Thursday 15 th June 2023 - ROOM 3 - Slot OP1		
09:30 - 10:00	KN22	Identifying and Quantifying Atmospheric Sources of Organic Contaminants to the Habitat of the Saint Lawrence Estuary Belugas
	F. Wania	University of Toronto
10:00 - 10:15	OP63	Complex Assessment of the Pomorie Salt Lake Waters in the Nature 2000 Zone
	D. Rabadjieva	Bulgarian Academy of Sciences
10:15 - 10:30	OP48	Mega Ports and Climate Change
	F. Sakellariadou	University of Piraeus
10:30 - 10:45	OP2438	Environmental Fate Modelling of Organic Pollutants from Land-Based and Shipping Emissions in the Northern Adriatic Sea Coastal Areas
	L. Calgaro	Ca' Foscari University of Venice
10:45 - 11:00	OP2736	Prioritization of Contaminants of Emerging Concern for a Screening Study in The Venice Lagoon (Italy) – a Methodological Approach
	E. Giubilato	Ca' Foscari University of Venice
11:00 - 11:15	OP389	Holistic Environmental Impact Assessment from Shipping: a Decision Support Tool for Stakeholders Engagement
	S. Guéret	International Institute for Applied Systems Analysis (IIASA)
11:15 - 11:20	PS390	Impact Assessment of Shipping Activities: Applying The Critical Load Concept to Both the Atmosphere and Marine Environment
	Poster: PP2_069 S. Guéret	International Institute for Applied Systems Analysis (IIASA)

DETAILED PROGRAMME – Poster presentations

Poster session 1 (PP1):

Monday (17:40 – 19:00) and Tuesday (18:05 – 19:00)

Session 1 - Air pollution: chemistry and health risks

PP162 Poster: PP1_001 M. A. Constantin	The spatial and temporal variability of odour concentration in intensive farm rearing of poultry pigs National Research and Development Institute for Industrial Ecology-ECOIND
PP164 Poster: PP1_002 M. A. Constantin	The Odor Reduction Effect of non-Thermal Plasma Technology in the Tire Industry National Research and Development Institute for Industrial Ecology-ECOIND
PP209 Poster: PP1_003 B. L. van Drooge	Firefighter's Exposure to Paks in Prescribed Forest Fires Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
PS210 Poster: PP1_004 B. L. van Drooge	Antibiotic Resistance Genes and Air Pollution in a Primary School in Barcelona Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
PP244 Poster: PP1_005 S. Bobic	Multicentric Study of Urban Air Quality in Vojvodina (Serbia) and Assessment of Associated Carcinogenic Risk Institute of Public Health of Vojvodina
PS306 Poster: PP1_006 R. Zangrando	Biomass Burning Traces in the Arctic Atmosphere in Winter, Fairbanks (Alaska) CNR-ISP
PP334 Poster: PP1_007 R. Zangrando	Poly- and Perfluorinated Alkyl Substances in the Atmospheric Aerosol From a Rural Area of the Italian PFAS Hotspot (Veneto Region) CNR
PP343 Poster: PP1_008 C. Jaen	Source Apportionment of Inorganic and Organic Aerosols in a High-Altitude Mountain Site in South Spain Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
PS369 Poster: PP1_009 F. Monaci	Tracking Long-Term Gaseous Elemental Mercury Concentrations by Passive Air Sampling at an Abandoned Mining Site and Nearby Urban Area University of Siena
PP381 Poster: PP1_010 A. Avgenikou	Risk Assessment of Household Dust-Bound PAHs in Relation to Residents' Smoking Habits Aristotle University of Thessaloniki
PP398 Poster: PP1_011 P. Martin	Polycyclic Aromatic Compounds (PAH, NPAH And OPAH) and Aliphatic Hydrocarbons in Dwellings of an Urban Area: Levels, Sources and Health Risk Assessment Castilla-La Mancha University
PP399 Poster: PP1_012 M. S. Salgado	Environmental Implications of the Emission of Hydroxyethers into the Atmosphere Castilla-La Mancha University

PP413 Poster: PP1_013 R. Mikkola	Indoor strains of <i>Aspergillus calidoustus</i> and <i>Aspergillus versicolor</i> emit mycotoxins in guttation droplets Aalto University
PP444 Poster: PP1_015 M. Borelli	Chemical Characterization of Particulate Deposits on Electrical System Insulators University of Milan
PS1285 Poster: PP1_016 L. Eleftheriou	Monitoring of Dioxin Levels in Air, in the Major Cities of Cyprus CP Foodlab Ltd
PP2427 Poster: PP1_017 S. Todorova	Catalytic Combustion of Methane over Pd-Meox-Ceo₂/Al₂O₃ (Me=Co Or Ni) Catalysts Bulgarian Academy of Sciences
PP2429 Poster: PP1_018 M. Ivanovski	An Analysis of Air Pollutants (NO₂, NOX, PM₁₀, and PM_{2.5}) in the Republic of Slovenia Between Years 2019 and 2020 Elektroinštitut Milan Vidmar
PS2444 Poster: PP1_019 N. Ratola	Passive Air Sampling of Volatile Methylsiloxanes, Synthetic Musks and Pahs in Latin America University of Porto-LEPABE, ALiCE
PP2483 Poster: PP1_020 F. Ippolito	Inter-Comparison of Different Experimental Methods to Identify and Quantify the Uncertainties of Road Dust Resuspension Emissions Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
PP2487 Poster: PP1_021 M. Nipen	INQUIRE - Improving Indoor Air Quality and Health: Identification of Chemical and Biological Determinants, their Sources, and Strategies to Promote Healthier Homes in Europe NILU-Norwegian Institute for Air Research
PP2692 Poster: PP1_022 S. Petrovic	Experimental Investigation on Coal Dust Suppression Efficiency of Environmentally Friendly Solution by Using Wind Tunnel Mining Institute
PP2693 Poster: PP1_023 R. Velinova	Methane Abatement by Catalytic Oxidation over Zr Modified Pd/ La-Ce-Al Catalyst Bulgarian Academy of Sciences
PP2724 Poster: PP1_024 A. D. Gilio	An Innovative Monitoring Approach for the Chemical Characterization of Particulate Matter (PM) in an Industrial Site in Southern Italy University of Bari
PS2738 Poster: PP1_025 A. K. Halse	An Approach to Assess the Biological Effects of Semi-Volatile Organic Chemicals in Indoor Air Norwegian Institute for Air Research (NILU)
PP2742 Poster: PP1_026 S. Breda	Biomonitoring for a Sanitary Landfill Air Quality Using Honeybees and Other Hive Products Fondazione Università Ca' Foscari

Session 2 - Airborne transport and subsequent deposition of pesticides in non-target areas

PP759 Poster: PP1_027 F. Partovi	Microplastics Detection Using Chemical Ionization MS With Multi-Scheme Chemical Ionization Inlet (MION) Karsa Ltd
PS159 Poster: PP1_028 M. Bruggemann	Principles and Best Practices for Measurements and Data Interpretation of Pesticides in Air Bayer AG
PS174 Poster: PP1_029 L. Mayer	Improving Knowledge on the Atmospheric Fate of Current-Use Pesticides: A Case Study in Central Europe Masaryk University
PS391 Poster: PP1_030 B. Jiménez	Assessment of Atmospheric Organochlorine Pesticides over a Decade in Spain (2008-2019) Institute of Organic Chemistry (IQOG-CSIC)
PS438 Poster: PP1_031 A. Muñoz	Comparative Analysis of Drift in Air Between Conventional and Optimized Application of Pesticides Fundación CEAM. EUPHORE lab
PS2436 Poster: PP1_032 E. Fuentes	Pesticide Inhalation Exposure and Urinary Metabolites Risk Assessment using Conventional and Innovative Cropping Systems in Citrus and Vineyard Crops Foundation for the Promotion of Health and Biomedical Research in the Valencia Region

Session 7 - Joint Sessions DAC-DCE EuChemS: Recent developments in analytical methods for the detection and quantification of persistent and emerging contaminants in the environment

PP22 Poster: PP1_095 E. Patyra	Application of Micellar Mobile Phase for Quantification of Sulfonamides in Medicated Feeds by HPLC-DAD National Veterinary Research Institute
PP91 Poster: PP1_096 H. Tamura	Feasibility of Residue Analysis of Biopesticides by Proteotyping Using MALDI-TOF MS Meijo University
PP122 Poster: PP1_097 G. Vasile	Detection of Antacid Pharmaceutical Compounds and their Metabolites from Wastewater and Surface Water Samples by SPE-LC-MS/MS National Research and Development Institute for Industrial Ecology-ECOIND
PP146 Poster: PP1_098 I. Tolosa	Multiresidue Analysis of Emerging (Paes, Opes, Alternative Hfrs) and Legacy Persistent Organic Pollutants (Pbdes, Pcbs, Ocps) in Marine Sediments Using GC-MS/MS IAEA Marine Environment Laboratories
PP342 Poster: PP1_099 A. E. Medina	NOT Lost and Found but Applied and Found - Pesticides Residues in Soil Over Three Consecutive Years Compared with Application Data in Potato Production Centro Nacional de Sanidad Agropecuaria (CENSA)
PP351 Poster: PP1_100 J. Šandrejová	Application of Micro-Volume Detection Setup for Cloud Point Extraction of Cadmium P. J. Šafárik University in Košice

PP354 Poster: PP1_101 V. Andruch	Application of Natural Deep Eutectic Solvents for Analysis of Herbal Samples Czech University of Life Sciences Prague
PP1396 Poster: PP1_102 L. Michel	OCPs, PCBs and PAHs in Seabird Plasma, Liver and Stomach Oil Analysed by GC-Orbitrap-MS University of Giessen
PP1565 Poster: PP1_103 D. Drozdzyński	Analysis of Pesticide Residues in Agricultural Soils in Poland Institute of Plant Protection – National Research Institute Poznań
PP2479 Poster: PP1_104 S. Lacorte	Ceramic Passive Samplers for the Analysis of Contaminants in Groundwater Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
PP2481 Poster: PP1_105 S. Lacorte	Ceramic Passive Samplers Using a Mixed Mode Strong Cation-Exchange Sorbent to Efficiently Monitor Pharmaceuticals and Drugs in River Water Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
PP2489 Poster: PP1_106 M. Nipen	Bisphenol Analogues and Alkylphenols in Soil, Terrestrial Biota, and House Dust from an Urban Environment NILU-Norwegian Institute for Air Research
PP224 Poster: PP1_108 R. Rios-Quintero	Transcriptomic Analysis to Determine Mode of Action and Effects of Three Emerging Contaminants in the Japanese Clam Ruditapes Philippiarum University of Cadiz
PP975 Poster: PP1_109 A. S. Gaetano	Sampling Air and Water in a Wastewater Treatment Plant: 16S Rrna Gene Metabarcoding for the Identification of the Bacterial Communities University of Trieste

Session 8 - Advances in target and non-target screening in environment, food and health related matrices by high resolution mass spectrometry

PS90 Poster: PP1_110 A. Q. Beltran	Analysis of Fish Samples by GC-Orbitrap Applying the ROIMCR Chemometric Approach Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
PP175 Poster: PP1_111 C. Huber	Non-Target Screening of Organic Aerosol Tracers to Elucidate Atmospheric Composition With Ice Cores Paul Scherrer Institut, University of Bern
PP293 Poster: PP1_113 A. Torres-Agullo	Optimization and Application of a Pyrolysis – GC-Orbitrap Method for the Identification and Quantification of Microplastics in Air Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
PP305 Poster: PP1_114 R. Zangrando	Effluent Wastewater as Local Source of Contamination at The Mario Zucchelli Station (Antarctica) CNR-ISP
PP363 Poster: PP1_116 P. Nováková	Nontarget HRMS Analysis as a Tool for Revealing True Water Treatment Efficiency University of South Bohemia in České Budějovice
PP373 Poster: PP1_117 A. Borik	Critical evaluation of LDTD-APCI for investigation of pharmaceutical transformation products formed by soil bacteria University of South Bohemia in České Budějovice

PP431 Poster: PP1_119 D. Drożdżyński	Validation of Multi-Residue LC-MS/MS And GC-MS/MS Method for the Determination of Pesticide Residues in Water Institute of Plant Protection – National Research Institute Poznan
PP736 Poster: PP1_120 V. Nikiforov	Tris(2,4-Ditert-Butylphenyl)Tiophosphate - A New Plastic Additive or a Transformation Product of a Common Plastic Additive? Report on the First Time Detection, Structure Elucidation and Synthesis of an Authentic Sample The Climate and Environmental Research Institute NILU
PP939 Poster: PP1_121 M. Fang	An Automated Toxicity Based Prioritization Framework for Fast Chemical Characterization in Non-Targeted Analysis and Its Validation in Sludge Water Waters Corporation

Session 13 - Climate change impacts on the fate and behaviour of nutrients and pollutants in the environment

PP118 Poster: PP1_033 M. A. Constantin	Air Pollution in the Context of Mitigation of Environmental Climate Change National Research and Development Institute for Industrial Ecology-ECOIND
PP152 Poster: PP1_034 F. Spataro	Active Pharmaceutical Ingredients (Apis) and Personal Care Products (Pcps) in the Kongsfjorden Ecosystem (Svalbard, Norway) CNR
PP190 Poster: PP1_035 F. Spataro	Assessment of Legacy and Emerging Persistent Organic Micropollutants in Arctic Ice and Snow CNR-ISP
PS248 Poster: PP1_036 S. Frassati	Preliminary Study of the Photodegradation of Bisphenol A (BPA) in Artificial Snow Samples Ca' Foscari University of Venice
PS376 Poster: PP1_038 S. Meroni	Black Carbon and Organic Carbon Impact in the Tropical Andes: the Case of Shallap Glacier (Cordillera Blanca) University of Milan - Bicocca
PP527 Poster: PP1_039 S. Giansiracusa	Temporal Dynamics of Anthropogenic Pollutants in the Sediment of Kongsfjorden-Krossfjorden System (Svalbard, Norway) Ca' Foscari University of Venice
PP863 Poster: PP1_040 O. Ozkiper	Modeling Nature-Based Solutions Suitability in Marine Coastal Areas Under Climate Change Scenarios Ca' Foscari University of Venice, Centro Euro-Mediterraneo sui Cambiamenti Climatici
PS1303 Poster: PP1_041 E. Schaad	Determining the Fate and Behavior of Plant Protection Products (PPPs) in Lakes and Water-Sediment Interface under a Changing Climate Using Passive Sampling University of Bern
PP2469 Poster: PP1_042 E. Korejwo	Mercury Concentration and Its Trophic Dynamic in a Dominant Antarctic Zooplankton Species with a Focus on the Krill Euphausia Superba Polish Academy of Sciences
PS2472 Poster: PP1_043 E. Korejwo	Mercury at the Base of Trophic Pyramid in Admiralty Bay, Antarctica Polish Academy of Sciences

PP2549 Poster: PP1_044 K. Pozo	Sedimentary Records of POPs and Heavy Metals in Concepción Bay, Central Chile Masaryk University, Universidad San Sebastián
PS2881 Poster: PP1_045 G. Gržinić	Impact of Increased Number of High Temperature Days on Atmospheric PM Pollution from Intensive Poultry Farming Medical University of Gdansk

Session 15 - Nano- and micro-plastics in the environment

PP32 Poster: PP1_046 G. G. Vasile	Adsorption Mechanism of Cadmium on Polypropylene Microplastics in Synthetic Solutions National Research and Development Institute for Industrial Ecology-ECOIND
PP95 Poster: PP1_048 D. A. Cinar	Determination of Nickel Adsorption on Soil in the Presence of Chemically Aged Polypropylene Microplastics Gebze Technical University
PS114 Poster: PP1_049 F. Corami	Additives, Plasticizers, Small Microplastics (<100 Mm), and other Microlitter Components in the Gastrointestinal Tract of Commercial Teleost Fish: Method of Extraction, Purification, Quantification, and Characterization Using Micro-FTIR CNR-ISP
PP127 Poster: PP1_050 G. Vasile	Contamination with Pahs Adsorbed on Microplastics Collected from Prahova and Ialomita Surface Water National Research and Development Institute for Industrial Ecology-ECOIND
PS132 Poster: PP1_051 V. C. Fernandes	Plastic-Related Chemicals in the Soil From the Natural Park of Montesinho REQUIMTE/LAQV
PP207 Poster: PP1_052 H. Ju	Combined Effects of Microplastics and Chlorpyrifos on the Anecic Earthworm <i>Lumbricus Terrestris</i> Wageningen University & Research
PP242 Poster: PP1_053 N. Milošević	Do Microplastics Enhance Toxicity of 4-MBC? University of Novi Sad
PP255 Poster: PP1_054 K. Meng	The Fate of Egested Conventional and Bio/Biodegradable Microplastics During the Earthworm's Cast Ageing Process Wageningen University & Research
PP271 Poster: PP1_056 H. Carter	Challenges Facing Pyrolysis GCMS in the Identification and Quantification of Multiple Micro- and Nano- Plastics in Environmental Samples UKCEH
PP341 Poster: PP1_058 F. Barbieri	Surface Sea Water Monitoring of Micro- and Mesoplastics in a Northern Adriatic Coastal Area Ca' Foscari University of Venice
PP347 Poster: PP1_059 P. Pastorino	Microplastics and Leaf Litter Decomposition Dynamics: Insights from a Lotic Ecosystem Istituto Zooprofilattico Sperimentale del Piemonte

PS361 Poster: PP1_060 L. Tseng	The Disparity in Scientific Investigation: Microplastics are Ubiquitous but only when Accessible Colgate University
PP374 Poster: PP1_061 P. Pastorino	The Invasive Red Swamp Crayfish (<i>Procambarus Clarkii</i>) as a Bioindicator of Microplastic Pollution: Insights from Lake Candia (Northwestern Italy) Istituto Zooprofilattico Sperimentale del Piemonte
PP716 Poster: PP1_062 F. Partovi	Microplastics Detection Using Chemical Ionization MS With Multi-Scheme Chemical Ionization Inlet (MION) Karsa Ltd
PP1680 Poster: PP1_065 N. Ashta	A Novel Approach for Sampling Microplastics in Rainwater Swiss Federal Laboratories for Materials Science and Technology (EMPA)
PP2353 Poster: PP1_066 P. Jachimowicz	When Microplastics Meet Aerobic Granular Sludge: Exploring the Consequences University of Warmia and Mazury in Olsztyn
PS2915 Poster: PP1_068 G. Labella	Microplastic Characterization and Screening by Combining DART and High-Resolution Mass Spectrometry Bruker Daltonik GmbH
PP32 Poster: PP1_046 G. G. Vasile	Adsorption Mechanism of Cadmium on Polypropylene Microplastics in Synthetic Solutions National Research and Development Institute for Industrial Ecology-ECOIND
PP3029 Poster: PP1_057 M. Kansiz	Automated Rapid (Sub)Micron Scale Microplastics Analysis with Simultaneous IR and Raman Microscopy with Optional Co-Located Fluorescence Pre-Screening Photothermal Spectroscopy Corp

Session 16 - Green and sustainable chemistry as an enabler of circular economy: safe-by-design approaches and LCA-based assessment tools

PP78 Poster: PP1_069 M. A. Constantin	Recovery of Metals From Galvanic Sludges Using Hydrometallurgical Methods National Research and Development Institute for Industrial Ecology-ECOIND
PP80 Poster: PP1_070 D. Cespi	Maleic Anhydride Production from Renewables: A Life Cycle Assessment at Pilot Scale University of Bologna
PP81 Poster: PP1_071 M. A. Constantin	Alternative and Conventional Waste Management Methods for Leather Industry National Research and Development Institute for Industrial Ecology, University Politehnica of Bucharest
PP97 Poster: PP1_072 F. Arfelli	Application of the Life Cycle Assessment to A Vermicomposting Process: An Innovative Pathway to Produce High Quality Soil Conditioner University of Bologna
PP105 Poster: PP1_073 J. Canales-Vázquez	New Environmental Strategies for the Capture and Transformation of CO₂ Castilla-La Mancha University

PP106 Poster: PP1_074 C. Alonso-Moreno	Balancing Corporate Carbon Footprint by CO₂ Capture and Utilization from Alcoholic Fermentation Processes Castilla-La Mancha University
PP180 Poster: PP1_075 V. M. Corbu	Bioconversion of Industrial Wastes into Compounds of Biotechnological Interest Using Genetically Improved <i>Pichia kudriavzevii</i> Strains University of Bucharest
PP218 Poster: PP1_076 A. Harrane	Valorization of Agricultural Waste: Synthesis of Starch Nanoparticules (Snps) for Food Packaging Application University Abdelhamid Ibn Badis
PP222 Poster: PP1_077 M. P. Atanassova	Green and Sustainable Solvent Extraction of Rare Earth Elements University of Chemical Technology and Metallurgy
PP257 Poster: PP1_078 R. Kallenborn	New Circular Bio-Economy Strategies in Biowaste Valorization – Anthropogenic Pollutants as Sustainability Factor Norwegian University of Life Sciences (NMBU)
PP3019 Poster: PP1_079 J. Wielgórska	Application-Oriented Zinc Oxide Nanocrystals Derived from Safe-by-Design Self-Supporting Organometallic Approach Warsaw University of Technology, Nanoxo
PP288 Poster: PP1_080 G. Torta	Recycling of Rare Earths Elements from Electric Motors of the E-mobility University of Bologna
PP302 Poster: PP1_081 L. Ciacci	The Anthropogenic Elemental Cycle of Manganese, Nickel and Natural Graphite in the Eu University of Bologna, Interdepartmental Centre for Industrial Research "Renewable Resources"
PP360 Poster: PP1_082 B. Yan	Developing Biocompatible Ionic Liquids Using Chemistry and Computation Tools Guangzhou University
PP1587 Poster: PP1_083 C. Paul	Sustainable Synthesis of a Flavor Ester in a Continuous Solventless System Politehnica University Timisoara
PP1704 Poster: PP1_084 D. Antonova	Rich in Polyphenols Dry Extract from <i>R.Damascena</i> - a Way For Utilization the Waste from Industrial Rose Processing Bulgarian Academy of Sciences
PP2464 Poster: PP1_085 M. Menegaldo	Identification of most Relevant Variables and Processes to Assess the Environmental Impacts of Remediation Technologies along their Life Cycles: Focus on the Waste Management Scenarios Ca' Foscari University of Venice, Fondazione Università Ca' Foscari
PP2544 Poster: PP1_086 A. Serpe	2002-2022: 20 Years of E-Waste Regulation in The EU And Evolution of World-Wide Recycling Technologies and Practices University of Cagliari and IGAG-CNR
PS2914 Poster: PP1_089 G. R. Ivaniš	Waste to Energy: Food Waste Valorisation toward Biofuel Production University of Belgrade
PP3003 Poster: PP1_090 J. Faria	Influence of Carbon Nanotubes Surface Chemistry on the Production of Sustainable Fuels University of Porto

Poster session 2 (PP2):

Wednesday (17:40 – 19:00) and Thursday (13:05 – 14:15)

Session 4 - Priority and emerging pollutants in natural and drinking waters: occurrence, (bio-)degradation processes, and environmental fate

PS112 Poster: PP2_001 P. Fialová	Performance Comparison of Three Passive Samplers for Monitoring of Polar Organic Contaminants in Treated Municipal Wastewater Masaryk University
PS301 Poster: PP2_002 M. de la Luz Tovar Salvador	Target and Suspect Screening of Organic Contaminants in Sediments by Pressurized Liquid Extraction and GC-APGC-Q-ToF-MS University of Cadiz
PS420 Poster: PP2_003 C. Pinto	Analysis of Glyphosate, Glufosinate and AMPA in environmental water with direct injection Waters Corporation
PS377 Poster: PP2_004 N. Đurišić-Mladenović	Analysis of Poly- and Perfluoroalkyl Substances (Pfass) in the Danube River Water Samples from Serbia University of Novi Sad
PS378 Poster: PP2_005 J. Živančev	Wide-Scope Target Screening of Pharmaceuticals in the Danube River Water Samples by Ultra-Performance Liquid Chromatography Coupled with High-Resolution Mass Spectrometry University of Novi Sad
PS400 Poster: PP2_006 R. Rios-Quintero	Assessing the Contamination and Tidal Influence of Emerging Contaminants in the Guadalquivir River Estuary, SW Spain University of Cadiz
PS425 Poster: PP2_007 D. Drożdżyński	Removal of Pesticide and Pharmaceutical Residues During Riverbank Filtration Institute of Plant Protection – National Research Institute Poznan
PS332 Poster: PP2_008 M. B. Zekkoub	Investigation of the Adsorption of a Low-Molecular-Weight Sodium Polyacrylate on Calcite Electricité De France (EDF)
PS490 Poster: PP2_009 L. Cerasino	Toxins in Biofilms of Lakes and Rivers, an Emerging Threat for Public Health in a Scenario of Climate Changes Fondazione Edmund Mach
PS191 Poster: PP2_011 P. Šebej	Photochemical Degradation of Common Xanthene Diagnostic Dyes: What is the Fate of Fluorescein, Eosin and Rose Bengal? Masaryk University
PP421 Poster: PP2_013 C. Pinto	Analysis of Pesticides, pharmaceuticals and personal care products in drinking and environmental water by Direct Injection Using UHPLC-MS/MS Waters Corporation
PP429 Poster: PP2_014 D. Drożdżyński	Study of Pesticide Residues in Polish River Basins in 2020 and 2021 Institute of Plant Protection – National Research Institute Poznan

Session 5 - Biologically active substances, transformation products and antibiotic resistance determinants in wastewater and sludge receiving environments

PP396 Poster: PP2_016 P. Pastorino	Phenotypic and Genotypic Antibiotic Resistance of Lactococcus Garvieae and Petauri Isolated from Rainbow Trout in the Mediterranean Region Istituto Zooprofilattico Sperimentale del Piemonte
PP212 Poster: PP2_017 I. Gheorghe-Barbu	In Vitro Evaluation of Silver Nanoparticles Activity Against 132 Multidrug Resistant Acinetobacter baumannii Strains Isolated From Romanian Hospitals and Aquatic Environments During 2019–2022 University of Bucharest
PP427 Poster: PP2_018 I. Barbu	Clonal Transmission of Colistin Resistant Klebsiella Pneumoniae Strains Harboring Endemic Mutations in Mgrb Gene in Clinical Settings and Wastewaters from Romania University of Bucharest, Research Institute of the University of Bucharest

Session 6 - Per- and Poly-fluoroalkyl Substances (PFAS) in air, water, soil, sediments, and biota: advances in detection, quantification, remediation, and destruction

PP124 Poster: PP2_019 G. Vasile	Occurrence of Endocrine Disruptors and Related Compounds Along the Romanian Marine Environment National Research and Development Institute for Industrial Ecology-ECOIND
PP274 Poster: PP2_020 J. B. Quintana	Determination of Perfluoroalkylated Substances in Drinking Water from Spain and other European Countries According to Directive 2020/2184/Eu Universidade de Santiago de Compostela
PP350 Poster: PP2_021 B. O. Nolla	UHPLC-Q-TOF Methodology for the Comprehensive Characterization of Pfass in Larus Michahellis Eggs and Blood From the Ebro Delta Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
PP785 Poster: PP2_022 C. Pinto	Adaptation of large panels of Per- and Polyfluorinated Alkyl Substances (PFAS) for routine analysis in Drinking and Environmental Waters by Direct Injection Using UHPLC-MS/MS Waters Corporation
PP1090 Poster: PP2_024 C. Pinto	Detection and Quantitation of Volatile PFAS with Gas Chromatography Atmospheric Pressure Chemical Ionization (GC-APCI) Waters Corporation
PP2540 Poster: PP2_025 A. Perissi	Legacy and Emerging Per- and Polyfluoroalkyl Substances in leachate from MSW landfill and in municipal sludge from WWTP: a routine analytical method in LC-MS/MS Waters Corporation
PP2605 Poster: PP2_026 O. Beyioku	Evaluation of the Impact of Surface Properties on the Adsorption of PFAS Using Quartz Crystal Microbalance Ben Gurion university of The Negev
PP2740 Poster: PP2_027 J. Pulkrabova	Levels of Per- and Polyfluoroalkyl Substances in Ski Wax Products and Snow from the Czech Republic University of Chemistry and Technology Prague
PP2810 Poster: PP2_028 K. D. Zoh	Kinetics and Proposed Mechanisms of Hexafluoropropylene Oxide Dimer Acid Degradation via Vacuum-UV (VUV) Photolysis and VUV/Sulfite Processes Seoul National University
PP2928	

Poster: PP2_029

Long-Chain vs Short-Chain PFAS in an Industry-Serving Wastewater Treatment Plant

F. Calore

Ca' Foscari University of Venice

Session 9 - New challenges regarding exposure to nanomaterials: from analytical methods to environmental modelling
PS26

Poster: PP2_030

A. Datta

Molecular Dynamics Simulations Reveal Orientation-Dependent Nanotoxicity of Black Phosphorene Toward Dimeric Proteins

Indian Association for the Cultivation of Science (IACS)

PS407

Poster: PP2_032

I. Tismanar

The Stability of TiO₂-Rgo Self-Cleaning Photocatalytic Coatings for Outdoor Applications

Transilvania University of Brasov

Session 11 - Joint Session DCE EuChemS - DCE IUPAC: Advances in remediation technologies for the reclamation of soil and sediments contaminated by organic and inorganic pollutants
PS2465

Poster: PP2_033

M. Menegaldo

STAR-LCA: Simplified Tool to Assess Remediation by LCA

GreenDecision s.r.l.

PS138

Poster: PP2_034

V. Corbu

Potential Applications of Candida Parapsilosis CMGB-YT in Biosurfactant Mediated Bioremediation

University of Bucharest

PS357

Poster: PP2_035

T. Tomic

Sediment Quality Assessment of the Begej Canal – Ecotoxicological Tests

University of Novi Sad

Session 12 - Recent advances in computational approaches for early identification and better understanding of chemical hazards
PS240

Poster: PP2_037

N. Milić

Triclosan and its Metabolites as Potential Thyroid-Disrupting Chemicals: In Silico Analysis

University of Novi Sad

PS1725

Poster: PP2_038

E. Papa

An Overview of QSAR Models for the Prediction of Thyroid Disruption-related Endpoints

University of Insubria

Session 14 - From hazard to risk assessment of chemicals and chemical mixtures for the ecosystems and the human health: exposure, ecotoxicological effects, fate, and modelling
PS150

Poster: PP2_039

S. Sousa

Analysis of Sixty Environmental Contaminants in Human Adipose Tissue with a Single Extraction-Method Greenness Assessment

REQUIMTE/LAQV, Center for Research in Health Technologies and Information Systems, Universidade do Porto

PS1411

Poster: PP2_040

A. Jędruch

Impact of Beach Recreation on Environmental Quality of Coastal Areas of the Southern Baltic Sea

University of Gdańsk, Polish Academy of Sciences

PP21 Poster: PP2_041 E. Patyra	Prevalence of Veterinary Antibiotics in Fertilizers from Animal Food Production and Assessment of their Potential Ecological Risk Department of Hygiene of Animal Feedingstuffs
PP23 Poster: PP2_042 E. Patyra	HPLC-FLD Method for the Detection of Sulfonamides in Natural and Organic Fertilizers Collected From Poland Department of Hygiene of Animal Feedingstuffs
PP103 Poster: PP2_043 J. T. Andersson	Benzo[C]Fluorene - A Highly Toxic but not Systematically Analyzed Polycyclic Aromatic Hydrocarbon University of Münster
PP121 Poster: PP2_044 G. Vasile	Growth and development of <i>Satureja hortensis</i> on As and Cd contaminated soils. Accumulation of toxic metals in different organs of the plant National Research and Development Institute for Industrial Ecology-ECOIND
PP157 Poster: PP2_045 J. L. Rivera-Parra	The Case of Ponce-Enríquez ASGM District in Ecuador: Trace Metal Distribution and Movement in a Mixed Land Use Landscape Escuela Politécnica Nacional
PP232 Poster: PP2_046 A. Bergmann	Hazard Characterization of Tire Particles With Combined Calux and HPTLC-Bioassay Analysis Ecotox Centre
PP233 Poster: PP2_047 I. Tolosa	Exposure of Marine Phytoplankton (<i>Isochrysis galbana</i>) to a Mixture of Organophosphate Esters: Impacts on Physiology, Metabolism, and Potential for Bioaccumulation IAEA Marine Environment Laboratories
PP234 Poster: PP2_048 F. Dal Bello	Emergent Water Pollutants: A New Challenge for Human Health University of Turin
PP241 Poster: PP2_049 N. Milošević	Exposure to Mercury as Environmental Pollutant Among Lung Adenocarcinoma Patients in Vojvodina University of Novi Sad
PP261 Poster: PP2_050 S. Tasselli	Legacy DDT Pollution in a River Ecosystem: Sediment Contamination and Bioaccumulation in Benthic Invertebrates CNR-IRSA
PP281 Poster: PP2_051 S. Berkner	Pharmaceuticals in Surface Waters – Comparing Half-Lives in Lab and Field – Regulatory Consequences and Ways Forward German Environment Agency (UBA)
PP337 Poster: PP2_052 W. T. Kyaw	Assessment of Atmospheric Pollution by Toxic Elements from Artisanal and Small-scale Gold Mining (ASGM) activity: A case of Myanmar Research Institute for Humanity and Nature
PP340 Poster: PP2_053 M. Dulsat-Masvidal	Contamination Patterns of Soils and Sediments from Important Bird and Biodiversity Areas Institute of Environmental Assessment and Water Research (IDAEA-CSIC)
PP365 Poster: PP2_054 A. Wódkowska	PAHs in agricultural soils with related ecological and health risk: Polish case study AGH University of Science and Technology
PP403 Poster: PP2_055 A. Jędruch	Relationship between form of mercury and the speciation of iron in sediments of the Southern Baltic Sea University of Gdańsk, Polish Academy of Sciences

PP3010	Assessment of Mechanisms of Behavioral Toxicity of Tire Rubber-Derived Chemicals Using Zebrafish as Model Species
Poster: PP2_056	
N. Montemurro	Institute of Environmental Assessment and Water Research (IDAEA-CSIC)

Session 17 - Environmental and climate change impacts on cultural heritage

PP284	PM-Induced Atmospheric Corrosion: Accelerated Ageing Tests by Using Ambient PM
Poster: PP2_057	
E. Bernardi	University of Bologna
PP371	Green Materials for the Conservation and Restoration of Parchment and Leather Artefacts
Poster: PP2_058	
I. Quaratesi	National Research and Development Institute for Textile and Leather
PP372	The ARMID@Venezia: a Project Post-Acqua Granda
Poster: PP2_059	
M. Baldan	Ca' Foscari University of Venice
PP1516	Interplay between Bacterial Biofilm and Historical Outdoor Bronze Surfaces in the Climate Change Context
Poster: PP2_060	
C. Chiavari	University of Bologna
PP3002	g-C₃N₄-Embedded Ormosil as Multifunctional Treatments with Photocatalytic and Hydrophobic Properties for the Protection of Building Materials
Poster: PP2_061	
J. Faria	University of Porto
PS216	Sustainable Conservation of Cultural Heritage Through Alternative Solutions for Mitigating Biodeterioration Based on Plant Extracts or Silver Derived Nanoparticles
Poster: PP2_062	
V. M. Corbu	University of Bucharest, Research Institute of the University of Bucharest
PS2864	Evaluation and Monitoring of Climate Change Impacts on Architectural Surfaces in Venice
Poster: PP2_063	
M. Gnemmi	Ca'Foscari Univerzity of Venice

Session 20 - PMT/vPvM substances: Occurrence, Assessment, Management and Regulation

PS276	Seeking Vpvm in Urban Groundwaters with a Method Combining Evaporation and HILIC-Orbitrap-MS
Poster: PP2_064	
S. Perez	ONHEALTH
PS395	Usage of Tube Passive Sampler for Surveillance of Trace Parameters in Industrial Wastewater in Urban Industrial Sites
Poster: PP2_065	
T. Hensel	Berliner Wasserbetriebe
PP370	Agri-Food Waste as Soil Amendments to Control Leaching of Agrochemicals into the Subsoil
Poster: PP2_066	
M. Granetto	Politecnico di Torino
PP432	"Cleanventory": Identifying the Chemical Structures of Persistent and Mobile Substances on Global Trade Markets
Poster: PP2_067	
S. Baskaran	Norwegian Geotechnical Institute (NGI)
PP2908	A Source Based Methodology For The Prioritization of Site-Specific Emerging Contaminants in Surface Water
Poster: PP2_068	
P. P. Guolo	Ca' Foscari University of Venice

Session 21 - Joint Session DCE EuChemS – DCE IUPAC Humic substances (HS) and natural organic matter (NOM) dynamics and environmental impact

PS96	Sorption of Organic Xenobiotics on Soil Organic Matter Requires Attention to Electrolytes as Well as Organic Matter Itself: A Case Study of Acetamiprid
Poster: PP2_036	
H. Murano	Meijo University

Session 22 - Integration of experimental and modelling approaches to investigate chemicals behaviour and risk in marine, coastal and transitional environments

PS390	Impact Assessment of Shipping Activities: Applying The Critical Load Concept to Both the Atmosphere and Marine Environment
Poster: PP2_069	
S. Guéret	International Institute for Applied Systems Analysis (IIASA)
PP55	Chemical Safety on Cruise Ships: Understanding Chemical Risks to Humans and the Environment
Poster: PP2_070	
V. van der Schyff	Masaryk University
PP1447	Dosage concentration and pulsing frequency affect the degradation efficiency in simulated bacterial polycyclic aromatic hydrocarbon-degrading cultures
Poster: PP2_071	
A. Vogel	Eberhard Karls University of Tübingen
PP2448	Coastal Environmental Matrices to Assess the Potential Impact of Volatile Methylsiloxanes
Poster: PP2_072	
N. Ratola	University of Porto-LEPABE, ALiCE

Session 3 (PP2):

Monday (17:40 – 19:00) and Tuesday (18:05 – 19:00)

Wednesday (17:40 – 19:00) and Thursday (13:05 – 14:15)

Since Session "3 - Organic and inorganic pollutants in wastewaters and natural waters: treatment processes and emission control technologies" has oral presentations over three days, poster that belong to this session will be on display for the whole Conference and indicated with the PP2_ prefix.

Session 3 - Organic and inorganic pollutants in wastewaters and natural waters: treatment processes and emission control technologies

PP24	The Influence of Carbon Nanotube and GO on the Photocatalytic Activity of WO₃/Bi₂S₃/Cu₂S Toward Pharmaceutical Active Compounds from Wastewater
Poster: PP2_123	
L. Isac	Transilvania University of Brasov
PP25	UV-Vis Activated CuO/CuS/WO₃@PANI Heterostructure for Photocatalytic Removal of Pharmaceutical Active Compounds from Wastewater
Poster: PP2_124	
A. Enesca	Transilvania University of Brasov
PP87	Combination of Fenton's Process and Membrane Distillation for the Treatment of Olive Mill Wastewater
Poster: PP2_125	
C. D. Rodrigues	University of Porto
PP102	Using Lignocellulosic Vegetal Wastes as Adsorbents for Transition Metals From Wastewaters
Poster: PP2_127	
A. Tirsoaga	University of Bucharest

PP139 Poster: PP2_128 V. Corbu	Radiochemical Synthesized Hydrogel/Metal Nanoparticles For Catalytic Removal Of Dyes From Wastewater University of Bucharest
PP141 Poster: PP2_129 J. Zdarta	Biocatalytic Platforms of Immobilized Peroxidases for Micropollutants Conversion Poznan University of Technology
PP142 Poster: PP2_130 A. Zdarta	Estrogens Removal by HRP - Nanomaterials Biocatalytic System Poznan University of Technology
PP144 Poster: PP2_131 S. Khaliha	Graphene Based Materials for Water Treatment CNR-ISOF
PP199 Poster: PP2_132 T. Marjanović	Influence of Dissolved Organic Carbon Nature on Adsorption of Ibuprofen, Caffeine and Diclofenac onto Powdered Activated Carbon–Does the Natural Coagulant Matter? University of Novi Sad
PP246 Poster: PP2_134 O. Makota	Photocatalytic Degradation of Ofloxacin Antibiotic Using Sphere-Shaped and Peanut-Like Zinc Oxide and Uv Light Irradiation Institute of Geotechnics of the Slovak Academy of Sciences, Lviv Polytechnic National University
PP252 Poster: PP2_135 B. Mahmoud	Surface Modification of Olive Stone Waste for Enhanced Sorption Properties of Cadmium and Lead Ions Université Abdelhamid Ibn Badis
PP258 Poster: PP2_136 M. Kalt	Biotransformation Capacity for Trace Contaminants - from Wastewater to Natural Surface Water Swiss Federal Institute of Aquatic Science and Technology (Eawag), University of Zurich
PP263 Poster: PP2_137 M. Bilińska	A Thin Layer Plasma Catalyst Used as a Structural Medium in Catalytic Ozonation of Textile Wastewater Lodz University of Technology, Bilinski Factory of Colour
PP290 Poster: PP2_138 M. Smutná	Retinoid-Like Activities and their Drivers in Effluents of European Wastewater Treatment Plants Research Centre for Toxic Compounds in the Environment (RECETOX)
PP303 Poster: PP2_139 E. Gaggero	Photocatalytic Degradation of Contaminants of Emerging Concern by N-Doped TiO₂ Using Simulated Sunlight in Real Water Matrices University of Turin
PP311 Poster: PP2_140 A. M. Tanase	Waste Water Microbial Community Dynamics in MFCs Systems Using Anode Modification with Nanocomposites of Polyaniline/Nano-Oxides University of Bucharest
PP316 Poster: PP2_141 P. Calza	Removal of Clozapine from Polluted Waters via C₃N₄ Based Materials University of Ioannina
PP333 Poster: PP2_142 A. Fernandes	Treatment of Fish Canning Wastewater by Electrochemical Oxidation Universidade da Beira Interior
PP353 Poster: PP2_143 S. Sambasivan	An Interdisciplinary Study of Quality Of Water from Long Island's Aquifer Impacted by Septic Systems Suffolk County Community College

PP385 Poster: PP2_145 R. Zeumer	Removal of Iron Water Pollution through Adsorption onto Chitosan Bound in Biodegradable Polyurethane Foams University of Applied Sciences Dresden
PP411 Poster: PP2_146 M. Covei	Composite $\text{TiO}_2\text{-Gc}_3\text{N}_4$ Thin Film Beads for Advanced Wastewater Treatment Transilvania University of Brasov
PP457 Poster: PP2_148 D. Karanovic	Thermally Activated ZnCr Layered Double Hydroxide Based Photocatalysts: Photocatalytic and Antibacterial Efficiency University of Novi Sad
PP924 Poster: PP2_149 P. Parthenidis	Landfill Leachate Degradation Using $\text{UV/Fe}^{2+}/\text{H}_2\text{O}_2$ and $\text{UV/Fe}^{2+}/\text{S}_2\text{O}_8^{2-}$ Processes Aristotle University of Thessaloniki
PP1213 Poster: PP2_150 V. Krajánová	The precipitation of secondary minerals as a suitable tool for the remediation of contaminated mine waters Comenius University in Bratislava
PP1222 Poster: PP2_151 B. Voleková	Evaluation of antimony bioremediation potential of certain fungal species isolated from natural iron ochres Slovak National Museum
PP1486 Poster: PP2_153 A. Afonso	Treatment of Olive Mill Wastewater by Combined Processes Instituto Politécnico de Beja, Universidade da Beira Interior
PP2440 Poster: PP2_155 D. Szabóová	Sb resistant bacteria identified and isolated from antimony mine in western Slovakia - potential application for mine water remediation Slovak National Museum
PP2446 Poster: PP2_156 N. Ratola	Volatile Methylsiloxanes in Wastewater – a Comprehensive Sampling Scheme Combined with Risk Assessment University of Porto-LEPABE, ALiCE
PP2556 Poster: PP2_157 S. Lee	Fouling Behaviors in Submerged Anaerobic Ceramic Membrane Bioreactor for High Concentration Food Wastewater Treatment Measurements, Modeling and Influential Factor Sungkyunkwan University
PP2574 Poster: PP2_158 T. Chaabane	Adsorptive Removal of Ciprofloxacin Antibiotic Using Bamboo and an Adsorbent Generated by Electrocoagulation USTHB University
PP2730 Poster: PP2_160 P. Novachka	Removal of Reactive Blue 13 Using Modified Cellulosic Material Based on Rice Husks Bulgarian Academy of Sciences
PP2865 Poster: PP2_161 V. Canaletti	Health-Environmental Sustainability and Valorisation of Ecocenters. Removal of Pollutants and Recycling of Wastewater Ca'Foscari University of Venice
PP2907 Poster: PP2_163 S. Barbouchi	Evaluation of Chemical Compatibility between two Mixed Produced Waters and Identification of Mineral Scale Sample in a Southern Tunisian Oilfield Tunisian National Oil Company "ETAP"
PP436 Poster: PP1_164 E. Antico	Modified Polymeric Films for the Enrichment of Steroid Hormones from Water Samples Universitat de Girona

Late posters (PP2):

Wednesday (17:40 – 19:00) and Thursday (13:05 – 14:15)

PP3014 Poster: PP2_074 M. Batlle	Real-Time Estimation of Regulatory Parameters of Directive 91/271/CEE in WWTP Discharges Using Simple Parameters and Artificial Intelligence Adasa sistemas
PP3018 Poster: PP2_077 G. Gkotsis	Unveiling the Chemical Universe of PFAS in Biota Using a Combined Targeted and Untargeted Workflow, Utilizing LC-VIP HESI(-)-TIMS-QToF MS National and Kapodistrian University of Athens
PP3020 Poster: PP2_079 M. Acocella	Groundwater Mobility of Brake Wear Particles Modified with Humic Acid: Laboratory Tests Politecnico di Torino
PP3021 Poster: PP2_080 A. Vailionytė	In Vitro Effects of Low-density Polyethylene Micro(nano)plastics on Human Airway Epithelium State Research Institute Centre for Innovative Medicine, State research institute Center for Physical Sciences and Technology
PP3022 Poster: PP2_081 G. Striganaviciute	Biochemical Effects of Polycyclic Aromatic Hydrocarbons (PAHs) on Black Alder Seedlings: Secondary Metabolites, Photosynthetic Pigments, MDA, and Sugars Lithuanian Research Centre for Agriculture and Forestry
PP3024 Poster: PP2_082 A. R. Lado Ribeiro	The Use of Zebrafish as an Ever-Expanding Model in Ecotoxicology, Drug Research and Human Diseases Treatment University of Porto
PP3025 Poster: PP2_083 A. R. Lado Ribeiro	Enantiototoxicity of Butylone on Zebrafish Larvae Behaviour – Preliminary Data University of Porto
PP3026 Poster: PP2_084 A. R. Lado Ribeiro	Zebrafish Embryos (<i>Danio rerio</i>) as a Model for the Evaluation of Teratogenicity Caused by Toxics and Psychoactive Substances University of Porto
PP3027 Poster: PP2_085 C. Henkel	Influence of Environmental Factors on the Leaching of Phthalates From Polyvinyl Chloride Microplastics Into Aqueous Systems – Insights From Laboratory Experiments and Modeling University of Vienna
PP3030 Poster: PP2_087 N. Dulova	Degradation of Imidazolium-Based Ionic Liquids by UV Photolysis and Pulsed Corona Discharge Combined with Persulfate Tallinn University of Technology
PP3031 Poster: PP2_088 A. Covaci	A Review of the Occurrence of Persistent and Mobile Chemicals in Environmental Samples Relevant for Human Exposure University of Antwerp