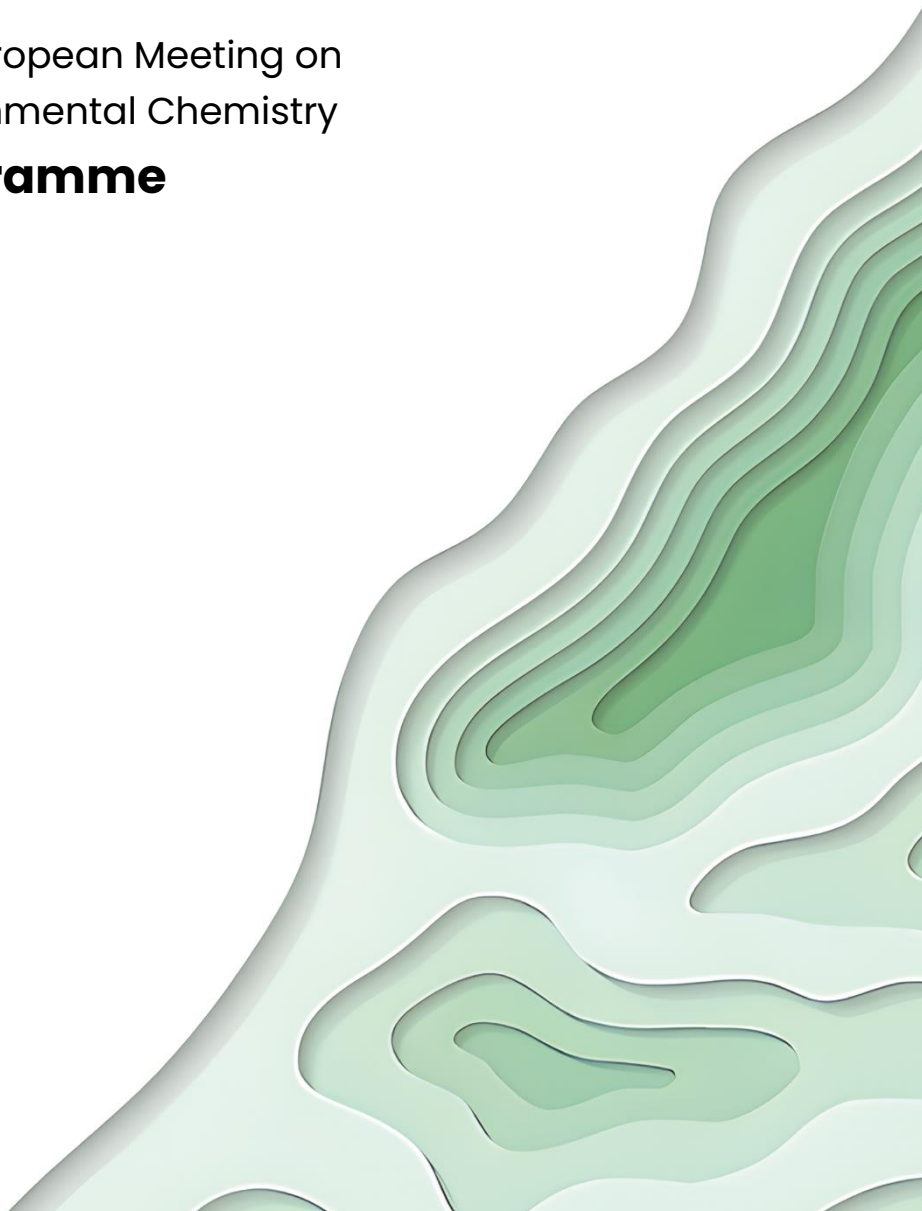


23rd European Meeting on
Environmental Chemistry
Programme



Sunday, December 3 rd 2023			
12 ⁰⁰ – 18 ⁰⁰	Registration of participants (Hotel Avala)		
19 ⁰⁰ –	Welcome reception (cocktail)		
Monday, December 4 th 2023			
8 ³⁰ –9 ⁰⁰	Registration of participants (Hotel Avala)		
9 ⁰⁰ – 9 ²⁰	Opening ceremony		
9 ²⁰ – 10 ²⁰	Plenary lecture	Anthropogenic and Naturally Occurring Brominated Compounds	Prof. John Giesy
Chair	Nuno Ratola		
10 ²⁰ –10 ³⁵	Coffee break		
10 ³⁵ –11 ⁰⁵	Keynote lecture	Dynamic and Behavior of Ultrafine Particles in Urban Atmosphere: Toxicity and Deposition in Human Respiratory System	Prof. Pasquale Avino
Chairs	Polonca Trebše and Jan Schwarzbauer		
11 ⁰⁵ –11 ²⁵	Session: Atmosphere	Photochemical Fate of Polystyrene Photodegradation Products in the Environment: The Case of Benzene and Phenol in a Two-Compartment Scenario	Davide Vione
11 ²⁵ –11 ⁴⁵		Comprehensive Analysis of Micro- and Nanoplastics Using High-Resolution Mass Spectrometry with Enhanced Chromatographic Resolution	Dmitrii Mazur
11 ⁴⁵ –12 ⁰⁵		Calibration Samples for Heavy Metals Quantification in Particulate Matter by X-Ray Fluorescence Under Grazing Incidence	Paola Cirelli
12 ⁰⁵ –12 ²⁵		Impact of Agricultural Emissions on Rural and Urban Air Quality (IMAGE)	Vivien Pohl
12 ²⁵ –12 ⁴⁵		Airborne Microplastic Particle Concentrations and Inhalation Exposure	Ana Torres-Agullo
12 ⁴⁵ –13 ⁰⁵		Temperature Dependency of Fenton and Fenton-like Reactions in the Presence of Oxalate – Implications to Atmospheric Particle Aqueous Phase Chemistry	Daniele Scheres Firak
13 ⁰⁵ –14 ¹⁵	Lunch		
14 ¹⁵ –14 ³⁰	Sponsor presentation: Company Tara Resources Geochemical waste management and water management (incorporating our env videos) Richard Boffey, General Manager		
14 ³⁰ –15 ³⁰	Plenary lecture	Paraben Transport and Transformation in Wastewater and Bioaccumulation in the Brazos River of Texas, USA	Prof. George Cobb
Chairs	Željko Jaćimović and Branimir Jovančicević		
15 ³⁰ –15 ⁴⁵	Coffee break		
15 ⁴⁵ –16 ¹⁵	Keynote lecture	Pollution by Microplastics in the Sea – the Case of the Gulf of Trieste and the Bay of Boka Kotorska.	Prof. Oliver Bajt

16 ¹⁵ –16 ³⁵	Session: Water	Fish Otoliths and Scales as Indicators of Long-term Metal Exposure in Wastewater Impacted River	Sara Šariri
16 ³⁵ –16 ⁵⁵		Biochar Produced from Sewage Sludge as an Adsorbent and Soil Conditioner: A Scottish Case Study	Szabolcs Pap
16 ⁵⁵ –17 ¹⁵		Alternative Forms of Solid-Phase Extraction for Ultratrace Analysis of Emerging Organic Pollutants in Water	Aleksander Kravos
17 ¹⁵ –18 ¹⁵	Poster session 1 (Water and Solid Matrices)		
18 ³⁰ –20 ⁰⁰	Early-career workshop: Alternative careers in research and working with stakeholders		
19 ⁰⁰ –21 ⁰⁰	Budva by night /Old Town Budva/		
Tuesday, December 5th 2023			
8 ⁰⁰ –8 ³⁰	Registration of participants (Hotel Avala)		
8 ³⁰ –9 ³⁰	Plenary lecture	Arsenic Contamination of Groundwaters and Novel Approaches for its Removal	Prof. Ioannis Katsoyiannis
Chairs	Davide Vione and Albert Lebedev		
9 ³⁰ –9 ⁵⁰	Session: Water	An initiative towards circular economy for water remediation employing hydrochar	Arshitha Madhusudhan
9 ⁵⁰ –10 ¹⁰		Metal and Metallothionein Concentrations in the Fish Intestine and Acanthocephalans in Relation to Environmental Metal Exposure in the Krka River	Tatjana Mijošek
10 ¹⁰ –10 ³⁰		Fish Intestine and Muscle as Bioindicators of Microplastic Exposure in the Aquatic Environment	Vlatka Filipović Marijić
10 ³⁰ –10 ⁴⁵	Coffee break		
10 ⁴⁵ –11 ¹⁵	Keynote lecture	Per- and polyfluoroalkyl substances – from challenges to potential solutions	Prof. Vladimir Beškoski
Chairs	Małgorzata Iwona Szyrkowska-Jóźwik and Stuart Gibb		
11 ¹⁵ –11 ³⁵	Session: Water	Microalgae-based Wastewater Treatment Process in the Presence of Microplastics and Pesticides	Urška Šunta
11 ³⁵ –11 ⁵⁵		Computational and Experimental Approach to the Development of Novel Test for Pathogen Detection in Water	Branimir Bertoša
11 ⁵⁵ –12 ¹⁵		Voltammetric Detection of Neonicotinoids in Surface Water and Honey by Activated In-House Screen-Printed Graphite:Glass Working Electrodes	Maksimiljan Dekleva
12 ¹⁵ –12 ³⁵		Use of Iron-bearing Waste Materials in Laundry Wastewater Treatment	Yara Arbid
12 ³⁵ –12 ⁵⁵		Bromides in Treated Wastewater: Limiting the use of Post-ozonation for Micropollutant Removal	Deniss Klauson
12 ⁵⁵ –14 ⁰⁰		Lunch	
14 ⁰⁰ –14 ¹⁵	Sponsor presentation - Analysis DOO		

	Current analytical challenges in environmental analysis Luka Mihajlovič, PhD		
14 ¹⁵ -14 ⁴⁵	Keynote lecture	Toxicity vs. Biological Activity of Different Transition Metal Ion Complexes	Prof. Biljana Petrović
Chairs	Milica Kosović Perutović and Marian Olazabal Dueñas		
14 ⁴⁵ -15 ⁰⁵	Session: One Health	Nicotine release in saliva- effect of time, pH, alcohol and sugar content on nicotine release from pouches available on Slovene market	Polonca Trebše
15 ⁰⁵ -15 ²⁵		Environmental Pollution, Human Health Risk and Bioaccessibility Assessment of Potentially Toxic Elements from Agricultural Soils and Grapes	Tijana Miličević
15 ²⁵ -15 ⁴⁰	Coffee break		
15 ⁴⁰ -16 ⁰⁰	Session: Solid Matrices	Non-targeted Analysis of Household and Office Dust Using GCxGC-HRTOFMS	Albert Lebedev
16 ⁰⁰ -16 ²⁰		How bad Volcano-Clastic Badlands Actually are?	Nevena Antić
16 ²⁰ -16 ⁴⁰		Elemental Analysis of Rice in the Context of Safety and Authentication	Aleksandra Pawlaczyk
16 ⁴⁰ -17 ⁰⁰		Persistent Organic Pollutants in Surface Sediments from Portuguese Marine Estuaries and Coastal Environment	Luís Gomes
17 ⁰⁰ -17 ²⁰		The Agricultural Dilemma: Biodegradable vs. Conventional Plastics, Aging and MP Formation	Mojca Bavcon Krajc
17 ³⁰ -18 ³⁰	Poster session 2 (Sustainability, One Health and Atmosphere)		
18 ⁴⁵ -19 ⁴⁵	Board meeting		
20 ³⁰ -23 ⁰⁰	Gala dinner		
Wednesday, December 6th 2023			
8 ⁴⁵ -9 ⁰⁰	Sponsor presentation - LECO Corporation		
Chairs	Milijan Bigović and Željko Jaćimović		
9 ⁰⁰ -9 ²⁰	Session: Sustainability	The Urban Water Cycle and its Modifications Through Time: Diachronic Approach based on Strontium Isotopes Study of Perched Aquifer Waters and Calcareous Deposits in Paris, France.	Edwige Pons Branchu
9 ²⁰ -9 ⁴⁰		Sustainable Food Protein and Water Purification Processes using Ionic and Porous Material Systems	Luís Branco
9 ⁴⁰ -10 ⁰⁰	Session: Water	A comparison Between Constructed Wetland Substrates and Impacts on Wastewater Treatment Performance	Ilgaz Cakin
10 ⁰⁰ -10 ²⁰		Emerging Pollutants in Greywater: is Laundry Wastewater Prone for Water Reuse?	Marta Turull
10 ²⁰ -11 ⁰⁰	Coffee break		
11 ⁰⁰ -12 ⁰⁰	Closing ceremony		

Poster Sessions

Presenting author	Title of presentation	Poster Board Number
Monday, December 4th 2023		
Session Topic: Solid Matrices		
Miljan Bigović	Comparing the Content of Heavy Metals in Peloids from Sutomore and Igalo (Montenegro)	SM1
Ilgaz Cakin	Designing a Biochar-Based Pretreatment Method for Acidic Cu-rich Distillery Effluents Entering Wetlands	SM2
Małgorzata Iwona Szynkowska-Jóźwik	Elemental Analysis of Surface Soil Collected from the Vicinity of the Waste Disposal Places in Lodz Region	SM3
Nives Matijaković Mlinarić	Antibacterial Activity of CuO and ZnO Treated Surfaces	SM4
Jernej Imperl	A Comparative Study of the Effectiveness of Possible Washing Agents for the Remediation of Sediment Contaminated with Heavy Metals	SM5
Dijana Đurović	Heavy Metals and PAHs Content in Agricultural Soil in the Vicinity of Thermal Plant in Pljevlja (Montenegro): Ecological Risk Assessment	SM6
Valentina Jauković	Environmental Risk Assessment and Risk Management of Polymeric Nanoparticles as Drug Carriers	SM7
Milica Balaban	The Influence of Agricultural Activity on the River Sediments of the Ukrina River	SM8
Sanja Pržulj	Biomarkers in River Sediments (Vrbaš, Bosnia and Herzegovina)	SM9
Giulia Fucile	Comparison Of Extraction Procedures of Organic Mercury in Soil and Sediments Reference Materials	SM10
Mira Pucarević	Instrumental Methods for the Microplastics Determination in the Environment	SM11
Gordana Gajica	Inorganic Composition of Serbia and Slovenia Peloids in Context Their Applicability as Therapeutic Agents	SM12
Nevena Prlainović	Bacterial Nanocellulose as a Potential Adsorbent for Strategic and Heavy Metals Removal	SM13
Darko Vuksanović	Identification of the Impact of the Quarry on the Environment	SM14
Jelena Ščepanović	Effects of Pollutants on the Quality of The Environment During the Operation of the Plant for The Production of Concrete-Concrete Base	SM15
Nevena Antić	Soil Degradation Indicators as a Tool for Climate-Smart Urban Forestry	SM16
Marian Olazabal Dueñas	Microplastics Risk as a Reservoir of Metallic and Organic Contaminants of Legacy and Emerging Concern on the Cantabrian Coast (Northern Spain)	SM17
Session Topic: Water		
Neda Bošković	Abundance, Distribution Patterns, and Identification of Microplastics in Bojana River Sediments in Montenegro	W1
Viktoriiia Liapun	Versatile Application of BiVO ₄ /TiO ₂ S-scheme Photocatalyst: Photocatalytic CO ₂ and Cr (VI) Reduction	W2

Aleksander Kravos	Dispersive Micro Solid-Phase Extraction (DMSPE) for Water Analysis: Why, How, for What?	W3
Jelena Radonić	Selection of Significant Parameters for River Water Quality Monitoring by Multivariate Analysis	W4
Schwing Océane	Coagulation – Flocculation of Water by Green Wastes: New Insight in Mechanisms Involved	W5
Gordana Gajica	Determination of the Adsorptive Capacity of Biochars for Bioremediation of Petroleum-Type Pollutants	W6
Tijana Milićević	Human Health Risk Assessment of Endocrine Disrupting Herbicides Present in Waters from Croatia	W7
Tatjana Šolević Knudsen	Estimation of Surface Water Contamination by Pesticides in the Kovin Area, Serbia	W8
Nevena Prlainović	Reducing Wastewater in Textile Industry: Innovative Dying Approach	W9
Dragana Šunjka	Pesticide Residues in the Water of Nature Park Jegrička (Serbia)	W10
Luís Gomes	Evaluation of SeaFAST System as an Alternative to DigiSEP Cartridges in Pre-concentration of Trace Metals in Seawater Samples	W11
Bratislav Antić	Unravelling the Influence of Magnetite Nanoparticle Morphology on the Efficient Removal of As(III) and As(V) in Water Treatment Processes	W12
Lenin Thulluvan Valappil	Synthesis and Photocatalytic Performance of Cu-TiO ₂ Nanotube Powders Obtained via Rapid Breakdown Anodization	W13
Marian Olazabal Dueñas	A full optimization of the Anodic Stripping Voltammetric Determination of Pb and Cd in Seawater Using a Rotating Ring-Disk Electrode With an in situ Bi Film.	W14
Tuesday, December 5th 2023		
Session Topic: Atmosphere		
Aida Šapčanin	Levoglucosan In Biomass Combustion Products	A1
Thomas Schaefer	T- and pH-dependent OH Radical Kinetics of Lactic Acid, Glyceric Acid and Methylmalonic Acid in the Aqueous Phase	A2
Session Topic: Sustainable Development		
Miljan Bigović	Removal of Heavy Metals from Cigarette Butts in Different Ways and Their Recycling	SD1
Muhammad Bilal Hanif	Effect of Mo-doping on Proton-conducting Ba ₁ Ce _{0.9-δ} Mo _{δ} Y _{0.1} O _{3-δ} Electrolyte at Intermediate Temperature SOFCs	SD2
Nuno Ratola	Volatile Methylsiloxanes (VMSs) Profiles in Wastewater Originated from Different Sources	SD3
Miroslav Vrvčić	From Sustainable, Through Suitable to Smart Development	SD4
Mirjana Radanović	Synthesis and Structure of New Polymeric Zn(II) Complex with <i>bis</i> (4- carboxy-benzyl)ammonium Chloride and <i>trans</i> -1,2- <i>bis</i> (4- pyridyl)ethene as Building Blocks of Potential Network Materials	SD5
Emilija Vukićević	Potential of Biochar as Fuel Obtained by Pyrolysis of Agricultural Waste	SD6
Nevena Mihailović	Green Synthesis of Silver Nanoparticles and Its Potential Antitumor Effect on HCT-116 Human Colon Cancer Cell Line	SD7

Branka Lončarević	Investigation of Biodegradability of Levan-polystyrene Graft Copolymers in Liquid and Solid Medium	SD8
Branka Lončarević	Starch Copolymers with Enhanced Biodegradability	SD9
Kristina Joksimović	Decolorization of Azo Dye Through the Utilization of Microbial Fuel Cells Connected in Parallel Configuration	SD10
Kristina Joksimović	Exploring the Potential of Plants for the Degradation of Perfluorooctanoic Acid	SD11
Paola Cirelly	A Green Sample Preparation Procedure for Elemental Analysis of Environmental Samples by X-ray Fluorescence Analysis with Smart Store®	SD12
Sanja Lazić	Influence Of Insecticides on The Photosynthetic Pigments Content in Peach Leaves	SD13
Marija Lješević	Reducing Adverse Effects of Copper on <i>Alivibrio Fischeri</i> Using Microbial Levan and Pullulan	SD14
Marija Lješević	Investigation of the Capacity of the Isolated Sulfate-reducing Bacteria to degrade PFOA	SD15
Dragana Šunjka	Behaviour of Herbicide Prosulfuron in Agricultural Soil	SD16
Jelena Isailović	Physicochemical Characteristics of Biofuel Obtained by Pyrolysis of Corn Waste	SD17
Ana Radović	Biological Effectiveness of Newly Synthesized [CuL(H ₂ O)] on Fungy <i>Colletotrichum acutatum</i>	SD18
Session Topic: One Health		
Aida Šapčanin	Wild Mushrooms from Eastern Bosnia and Heavy Metals Accumulation	OH1
Jelena Radonić	Are the Residents of AP Vojvodina, Serbia, Exposed to Persistent Organic Pollutants and Polycyclic Aromatic Hydrocarbons Through Inhalation?	OH2
Lyubka Tancheva	Synergic Action of Citicoline and Standardized Snail Extract in Alzheimer's Dementia	OH3
Lyubka Tancheva	Antioxidant Potential of Myrtenal and its Adamantane Conjugates in Dementia Rat Mode	OH4
Elisaveta Mladenova	Investigation on Some Elements Content in White Wine After its Treatment with Different Dose Bentonite	OH5
Svetlana Vujović	Ecopharmacovigilance - Necessary Discipline for a Greener Future	OH6
Biljana Damjanović Vratnica	Effect of Vegetation Cycle on the Chemical Composition and Antimicrobial Activity of <i>Rosmarinus Officinalis</i> Essential Oil	OH7
Konstantin Ilijević	Relevant Parameters for Standardless Determination of TiO ₂ in Food Samples by Portable X-ray Fluorescence Spectroscopy (PXRF)	OH8
Reni Kalfin	New Neurotensin Analogue: Effects on prosocial behaviour in experimental model of Parkinson's disease	OH9
Reni Kalfin	Induced by Toxin 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine Parkinson's Disease Model and the Effect of Helix Aspersa Extract In Vivo	OH10
Nenad Zarić	Micronutrient Effect on the onset of Chalkbrood Disease in Honey Bees	OH11
Nenad Zarić	Honey Bee Metal Accumulation: Midgut vs Bee Tissue	OH12

