

The program of Emerging Environmental Contaminants – Current Status, Challenges and Perspectives Conference

Wednesday, 9 April 2025 – Day 1

University of Rzeszów, Rejtana 16c St., Building A1
Saint Jadwiga Hall on the ground floor

9:00	REGISTRATION
10:00	Opening and Welcome Prof. Adam Reich, MD, PhD , University of Rzeszów
Session 1	
Chair:	Ewa Szpyrka, Idalia Kasprzyk , University of Rzeszów, Poland
10:20	Keynote lecture: The health impacts of microplastics Joana Prata , CESPU, Gandra, Portugal
10:55	Keynote lecture: Importance of Applying New Approach Method in Pesticide Risk Assessment Zisis G. Vryzas , Aristotle University of Thessaloniki, Thessaloniki, Greece
11:30	COFFE BREAK
Session 2	
Chair:	Donát Magyar , National Center for Public Health and Pharmacy, Budapest, Hungary Katarzyna Kluska , University of Rzeszów Rzeszów, Poland
12:00	Keynote lecture: Green sustainable algae-bacteria combine approach to handle the current water environmental emerging contaminants challenges M. Russel , Dalian University of Technology, Dalian, China
12:35	One health perspective on dietary exposure and health implication – rare earth elements (REE) in the environment Andrzej R. Reindl , Gdansk Medical University, Gdańsk, Poland
12:55	Assessment of consumer exposure to selected pesticide residues in fresh food Maciej Tankiewicz , Gdansk Medical University, Gdańsk, Poland
13:15	Ambitious climate protection and recycling targets as a threat to maintaining a high level of environmental protection as a whole Andrzej Kulig, Monika Maziarz, Iwona Rachowicz Marshal's Office of the Podkarpackie Region, Rzeszów, Poland
13:30	LUNCH
Session 3	
Chair:	Magdalena Podbielska , University of Rzeszów, Poland Łukasz Jurczyk , University of Rzeszów Rzeszów, Poland
14.30	Lessons learned from regulating pollen emissions in Hungary using the potential allergenicity index (CARE-S) Donát Magyar , National Center for Public Health and Pharmacy, Budapest, Hungary
14:45	Aerobiology – automatic realtime sampling and analysis of airborne pollen grains and fungal spores Branko Sikoparija , BioSense Institute, Novi Sad, Serbia
15:00	Microplastic pollution in surface waters and sediments of multiple lakes in Türkiye: preliminary findings Sedat Gundogdu , Cukurova University, Saricam/Adana, Turkey
15:15	Sample preparation for environmental samples – challenges and solutions Grzegorz Pluta , Altium International Sp. z o. o., Poland
15:30	New methods for microplastic extraction and sample preparation for LDIR analysis Wojciech Strojny , Rzeszów University of Technology, Rzeszów, Poland
15:45	Pyrolysis GC-MS in the identification of microplastics Karen Sam , CDS, USA
16:15	COFFE BREAK
16:15-17:00	Poster Session

Session 4

Chair: **Zisis G. Vryzas**, Aristotle University of Thessaloniki, Thessaloniki, Greece,
Małgorzata Kus-Liśkiewicz, University of Rzeszów, Poland

9:00	From Wastewater to Snow: a water pathway of antimicrobials and their effect on gram-negative bacterial resistance Natalia Czernecka, Anna Ratajewicz , University of Agriculture in Krakow, Kraków, Poland
9:15	Recent Insights into Particulate Matter. Cytotoxicity assessment of air pollution particles in podkarpackie region Małgorzata Kus-Liśkiewicz , University of Rzeszów, Rzeszów, Poland
9:30	Airborne nano- and microplastics as emerging environmental contaminants: distribution, atmospheric interactions, and health implications Ankush Kaushik , Leibniz Institute for Tropospheric Research (TROPOS)
9:45	Content level of representatives of volatile organic compounds in indoor environment of childcare facilities located in Poland Mariusz Marć , Gdansk University of Technology, Gdańsk, Poland
10:00	Transnational corporation for green transformation on the example of RARR projects Marek Duda , Rzeszów Regional Development Agency, Rzeszów, Poland
10:15	Investigating Microfiber and Microplastic Pollution in Wastewater: A Comparative Analysis of Recovery and Characterization Methods Sinem Hazal Akyildiz , Polytechnic University of Turin, Italy
10:30	Enhanced gas separation in polyamidoamine dendrimers-embedded Perbax membranes: impact on CO ₂ /N ₂ selectivity and permeability Gabriela Santos Medeiros , Institute of Macromolecular Chemistry, Prague, Czech Republic
10:45	Plastic pollution in shooting ranges and warfare areas – an overlooked environmental issue Andres Rodriguez Seijo , University of Vigo, Spain
11:00	COFFE BREAK
11:30-13:00	Workshop: Sample grinding in microplastic analysis – Freezer/Mill Grzegorz Pluta , Altium International Sp. z o. o., Poland Pyr-GC-MS in microplastic analysis Magdalena Podbielska , University of Rzeszów, Poland (continued after lunch)
13:00	LUNCH
14:00-14:15	Closing ceremony, Poster and Lecture Award



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