

EMEC21

PROGRAMME

Tuesday, November 30th, 2021

18:00-20:00	Welcome cocktail	Restaurant "Veliki", Nikole Pašića 24, Novi Sad
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Wednesday, December 1st, 2021

Time	Type of presentation	Lecturer/presenter	Title
08:00-	Registration		
09:00-09:30	OPENING CEREMONY (Matica Srpska, Main Hall)		
Moderators	Branimir Jovančičević/Jasmina Nikodinović-Runić		
09:30-10:00	Plenary lecture	Anne-Marie Delort	The cloud microbiota – Microorganisms-H ₂ O ₂ interactions
10:00-10:20	Section lecture	Jasmina Nikodinović-Runić	Progressing Plastics Circularity: Mechano-Biocatalytic Approaches for Waste Plastic (Re)valorization (BioICEP Project Overview)
10:20-10:35	Oral presentation	Huiyi Zhang	Removing copper and lead ions from water by a dopamine modified marine plastic adsorbent
10:35-10:50	Oral presentation	Malcolm Watson	Effect of ozonation on the speciation of arsenic in groundwater during drinking water preparation
10:50-11:20	Coffee break		
11:20-11:35	Oral presentation	Gilles Mailhot	New sustainable process for wastewater treatment using recycled and recoverable magnetite with natural iron complexing agent: an example of photochemical AOP
11:35-11:50	Oral presentation	Nuno Ratola	Presence and challenges of volatile methylsiloxanes in WWTPs
11:50-12:05	Oral presentation	Marija Stevanović	The Embryotoxic Potential and Photocatalytic Degradation of Thiophanate-Methyl
12:05-12:20	Oral presentation	Slađana Savić	The effect of power on the degradation of propranolol by nonthermal plasma reactor
12:20-12:50	Sponsor presentation – Analysis d.o.o.	Luka Mihajlović	Trends in analytical approaches for environmental chemistry - a review
12:50-14:20	Lunch break		
Moderators	Polonca Trebše/Vesna Antić		
14:20-14:35	Oral presentation	Minja Bogunović	Revisiting humic acid adsorption onto activated carbon
14:35-14:50	Oral presentation	Szabolcs Pap	Circular Economy-Based Phosphorus Recovery Technology Development to Create a Soil Conditioner: an Integrated Approach
14:50-15:05	Oral presentation	Ana Fernandes	Uptake Of Synthetic Musks And Volatile Methylsiloxanes By Pea Crops Grown In Sewage Sludge-Amended Soils
15:05-15:20	Oral presentation	Vera Homem	Environmental and agricultural impacts of using sewage sludge as a fertilizer – Emerging contaminants as a case study
15:20-15:40	Section lecture	Vesna Antić	Migration of toxic and essential trace elements from tinplate cans to meat products – possible impact on human health
15:40-15:55	Oral presentation	Suzana Gotovac Atlagić	Introduction of Innovative Green Material Chemistry Demonstrations in Early Education: Case Study Bosnia and Herzegovina
16:00-18:30	City tour and visit of the City Hall (Meeting point: in front of Matica Srpska)		

Thursday, December 2nd, 2021

Time	Type of presentation	Lecturer/ presenter	Title
08:00-	Registration		
Moderators	Jan Schwarzbauer/Maja Turk Sekulić		
08:30-09:00	Plenary lecture	Tatjana Ćirković-Veličković	Emerging food contaminants
09:00-09:20	Section lecture	Pierro Bellanova	Impact Of Tsunamis On Pollutants' Distribution
09:20-09:35	Oral presentation	Patricia Tarín-Carrasco	Study of the Impacts of Large Wildfires on PM10 and Human Mortality in Portugal
09:35-09:50	Oral presentation	Jan Schwarzbauer	Emission and dispersion of organic pollution by the Summer 2021 extreme flood in Germany
09:50-10:05	Oral presentation	Emira Hukić	Do Freezing and Heating Cycles Influence Differently on Soil Elements Leaching?
10:05-10:35	Coffee break		
10:35-10:50	Oral presentation	Milica Stefanović	The response of badland materials from Spain with different mineralogical content on seasonal changes
10:50-11:05	Oral presentation	Luisa Bellanova	Chemostratigraphic distribution of harmful organic contaminants in flood affected (sub-)tropical urban river sediments (Chennai, India)
11:05-11:20	Oral presentation	Filipe Rocha	Studying the Behaviour and Fate of Volatile Methylsiloxanes and Synthetic Musk Compounds in Soil
11:20-11:35	Oral presentation	Dragana Vidojević	Inadequate municipal solid waste management and soil pollution in Serbia
11:35-11:50	Oral presentation	Ioanna Pantelaki	Occurrence and fate of organophosphate esters in a municipal wastewater treatment plant
11:50-12:05	Oral presentation	Maria Krishna de Guzman	Comparative Profiling of Microplastics in Differently sized Manila Clams from South Korea by Nile Red Staining and μ FTIR
12:05-12:35	Sponsor presentation - ANNAFER d.o.o. (LECO)	Pavel Jiros	MS Technology Diversity to Provide Enhanced GC Separation, Detection and Identification Solutions
12:35-14:00	Lunch break		
Moderators	Malgorzata Iwona Szynkowska-Jóźwik/Vladimir Beškoski		
14:00-14:30	Plenary lecture	Albert Lebedev	Mechanisms of formation of disinfection by-products in water treatment
14:30-14:50	Section lecture	Lydia Niemi	Pharmaceuticals in the aquatic environment: A rural perspective and cross-sector partnership addressing the issue in Scotland
14:50-15:05	Oral presentation	Taja Verovšek	Wastewater Analysis Assessment: Prevalence of Drugs of Abuse in Educational Institutions
15:05-15:20	Oral presentation	Christina Alina Schwanen	Structural Diversity of Organic Contaminants in a Meso-Scaled River System
15:20-15:35	Oral presentation	Fábio Bernardo	Monitoring Volatile Methylsiloxanes Levels in Wastewater Collected from a Portuguese Wastewater Treatment Plant
15:35-15:50	Oral presentation	Aleksandra Tubić	Presence of arsenic and microplastics in the groundwater in the vicinity of a landfill
15:50-16:20	Coffee break		
16:20-16:35	Oral presentation	Urška Šunta	Adsorption of three pesticides onto different polymer types of microplastic particles in alluvial soil
16:35-16:50	Oral presentation	Mojca Bavcon Kralj	Determination of microplastics in environmental samples by simply applicable method
16:50-17:05	Oral presentation	Franja Prosenc	Method for Extraction, Quantification, and Identification of Microplastics from Soil and Compost
17:05-17:25	Section lecture	Sonja Kaišarević	Neuroactive Compounds in the Aquatic Environment: Biomarkers of Effect and Their Integration into Adverse Outcome Pathways (AOPs)
17:25-17:40	Oral presentation	Karla Jagić	Exposure to polybrominated diphenyl ethers associated with car dust
19:00-23:00	Conference dinner at Restaurant "Wine House Kovačević" (Kralja Petra 221, Irig) Transfer at 18:00h (the corner of Temerinska Street and Marija Trandafil Square, 5 min. walk from Matica Srpska)		

Friday, December 3rd, 2021

Time	Type of presentation	Lecturer / presenter	Title
08:00-08:30	Registration		
Moderators	Núria Fiol/Ivana Ivančev-Tumbas		
08:30-09:00	Plenary lecture	Walter Gössler	A closer look at the elemental composition of macrofungi, with a focus on arsenic
09:00-09:20	Section lecture	Hideyuki Inui	Plants, An Attractive Partner for Phytoremediation and Phytomonitoring of Environmental Pollutants
09:20-09:35	Oral presentation	Anna Irto	3-Hydroxy-4-pyridinone As Potential Chelating Agent For The Remediation Of Ecotoxic Metals From Environmental Matrices
09:35-09:55	Section lecture	Tatjana Anđelković	Phthalate migration from food and medical plastic materials
09:55-10:10	Oral presentation	Pascal Renard	Free amino acids quantification in cloud water at the puy de Dôme station (France)
10:10-10:25	Oral presentation	Roberto Di Pietro	Cd(II) Sorption By Novel Polymer Inclusion Membranes Based On L-Glutamic N,N-Diacetic Acid Or Citric Acid From Aqueous Solution
10:25-10:55	Coffee break / ACE General Assebly		
10:55-11:10	Oral presentation	Dmitrii Mazur	Estimation of Environmental Pollution Using Precipitation Analysis
11:10-11:25	Oral presentation	Mark Popov	Thermal desorption gas chromatography – mass spectrometry determination of toxic rocket fuel transformation products in soils
11:25-11:40	Oral presentation	Anna Sosnova	The use of two-dimensional gas chromatography-mass spectrometry for the study of atmospheric pollution in Arkhangelsk. Application of chemometric methods for the purposes of environmental analysis.
11:40-11:55	Oral presentation	Tomas Latkin	Application of two-dimensional gas chromatography - high-resolution mass spectrometry for studying the combustion products of nicotine and herbal cigarettes
11:55-12:10	Oral presentation	Etienne Bourgart	Characterization Of Nicotine Salts In E-Liquids And E-Cigarette Aerosols
12:10-12:25	Oral presentation	Olga Polyakova	Balsamic components and contaminants in the Egyptian mummy
12:25-13:55	Lunch break		
Moderators	Jelena Radonić/Đurđa Kerkez		
13:55-14:15	Section lecture	Đurđa Kerkez	Potential of cost-effective materials in advanced wastewater treatment processes
14:15-14:30	Oral presentation	Zuzana Redžović	Assessment of Water Quality and Metal Exposure in the Krka River Watercourse (Croatia) Influenced by the Wastewater Outlets
14:30-14:45	Oral presentation	Mirjana Vojinović Miloradov	Transmission Of Bioagens Sorbed Onto Suspended Particulate Matter In Ambient Air During Urbanization Process In The City Of Novi Sad
14:45-15:00	Oral presentation	Jonathan Vyskocil	Meta-Omics Analyses Of Cloud Microbial Metabolism Of C1 Compounds
15:00-15:15	Oral presentation	Polonca Trebše	Transformations of resveratrol, antioxidant component of sunscreen, under disinfection conditions
15:15-15:45	Coffee break		
15:45-16:00	Oral presentation	Davide Vione	Advances in Photochemistry Modeling: The Equivalent Monochromatic Wavelengths Approach
16:00-16:15	Oral presentation	Tijana Miličević	The Health Risk and Benefit Assessments for the Pelagic Fish Species' Consumers
16:15-16:30	Oral presentation	Konstantin Ilijević	Bioelements and non-essential elements in honeybees and their hemolymph, larvae, pupae, honey, wax, propolis and bee bread.
16:30-16:45	Oral presentation	Pablo Irizar	Sweet Conservation: Development of Sugar Based Epoxy-Silica Hybrids as Multifunctional Materials for Built Heritage Protection
16:45-17:00	Oral presentation	Marko Ilić	Authentication of Extra Virgin Olive Oil Based on Fatty Acid Composition and Multivariate Statistics
17:00-	CLOSING CEREMONY		