

14th IWA Micropol & Ecohazard Conference 2026

Poster Schedule for Monday June 1



Abstract ID	Title	Author Last Name	First Name	Country	Session	Poster No.
7144886	Diagnosing Untreated Wastewater Discharge In Highly Sewered Urban Rivers Using An Integrated Chemical Marker Approach	Ishikawa	Naoke	Japan	1	Mon 1
7144930	Target And Non-Target Analysis Of Antidepressants And Their Transformation Products In Fish	Nakada	Norihide	Japan	1	Mon 2
7144972	Influence Of Groundwater Flow Rate On Organic Micropollutant Biodegradation In Drinking Water Aquifers	Nederend	Merel	Netherlands	1	Mon 3
7145014	Assessment Of Fecal Pollution Contribution From Tributaries Using Non-target Fingerprinting For Environmental Forensics	Park	Hanbyul	Republic of Korea	2	Mon 4
7145112	Impedance Spectroscopy For Water Quality Monitoring	Bauerlein	Patrick	Netherlands	2	Mon 5
7145276	Nutrient Pollution Effects On <i>Crassostrea virginica</i> Populations In The Chesapeake Bay Between The Years 2000 And 2019	Tyagi	Pranshu	USA	3	Mon 6
7145303	Potential Hazard Of Pathogen-associated Microplastics Influenced By Wastewater Treatment Plant Effluents	Park	Jeong-Ann	Republic of Korea	3	Mon 7
7145436	Characterization Of Particle- And Mass-based Exposure To Microplastics Via Drinking Water	Wu	Yuhao	Canada	3	Mon 8
7145523	Health Risks Associated With Microplastics In Drinking Water	Almuhtaram	Husein	Canada	3	Mon 9
7145863	Transformation Products In Ozonated Wastewater: Formation, Fate, And Mitigation Through Post-Treatment	Bonsignore	Riccardo	Switzerland	4	Mon 10
7145962	Sorptive Microextraction Of Small Organic DBPs In Drinking Water	Fatta-Kassinou	Despo	Cyprus	4	Mon 11
7146008	Evaluation Of Antibiotic Removal, Fate, And Seasonal Variability In A Constructed Wetland Treating Livestock Wastewater	Oh	Yugyeong	Republic of Korea	5	Mon 12
7146028	Alkylphenols From Agricultural Plastic Pipes: Climate-driven Uptake And Accumulation In Lettuce Plants	Cantoni	Beatrice	Italy	5	Mon 13
7146799	A Multi-criteria Decision-making Method For CECs Selection To Include In Wastewater Treatment Monitoring Plans	Grillini	Vittoria	Italy	6	Mon 14
7149139	Machine Learning To Identify Microplastics	Bauerlein	Patrick	Netherlands	6	Mon 15
7097890	Prioritization Of Organic Micropollutants Using A Machine Learning-enhanced ToxPi Approach: A Case Study Of Korea	Park	Hanbyul	Republic of Korea	6	Mon 17
7135142	Explainable Spatiotemporal Transformer-GCN Modeling Of River-network Water Quality: Evidence From Korean Field Data	Jun	Byung-Moon	Republic of Korea	6	Mon 18
7108567	Metabolomic And Chemometric Profiling Of Pesticide Markers For Food Safety Assessment	Kostina-Bednarz	Marianna	Poland	6	Mon 19
7145012	AI-Driven QSRR Screening Of Groundwater Micropollutants	Li	Yunzhi	Belgium	6	Mon 20
7147157	AI-Driven Optimization Of Operating Conditions In Bio-Fenton SBR For Enhanced Antibiotic Removal	Lin	Chenyang	Japan	6	Mon 21
7115443	Removal Of Micropollutants Through Decentralized Reverse Osmosis And Hybrid Water Systems In The Southern Coastal Belt	Hossain	Shaikh	Bangladesh	8	Mon 22
7144459	Removal Of Sulfamethoxazole In Granular UASB Treating Urban Wastewater At Low-temperature: Process Performance Analysis	Mosca Angelucci	Domenica	Italy	8	Mon 23
7123177	Reduction Of Hexavalent Chromium In Aqueous System Using CQDs/TiO2 MXene Composites Under Solar Light Irradiation	Choi	Nayoon	Republic of Korea	8	Mon 24
7145567	Adsorption Of Mixed Contaminants By Pristine And Aged Microplastics And Their Transport Through Microfiltration Membrane	Inchana	Chutiporn	Thailand	8	Mon 25
7124189	Bridging The Lab-to-Pilot Gap In GAC Filtration: The Critical Role Of Biofilm In OMP Removal	Temellini	Enrico	Switzerland	8	Mon 26

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Poster Schedule for Tuesday June 2



Abstract ID	Title	Author Last Name	First Name	Country	Session	Poster No.
7130650	Oxidation Treatment Of Pesticide Wastewater With Bimetallic Catalysts Supported On Biochar	Lu	Ming-Chun	Taiwan	9	Tues 1
7132473	Electro-Fenton System Utilizing The Mixture Of FeOOH And AIOOH Based Electrode For Ciprofloxacin Removal In Water	Kim	Soyeon	Republic of Korea	9	Tues 2
7135154	Contributions Of New And Established Microorganisms In Ozone - Activated Carbon Filters	Modrall Sperling	Daniel	Belgium	9	Tues 3
7135657	Practical Experiences With Controlling Ozonation In Full-Scale Quaternary Treatment For Micropollutant Removal	Raes	Birte	Belgium	9	Tues 4
7135686	Synthesis Of Magnéli Phase Titanium Suboxide Photoanodes For Photoelectrochemical Degradation Of Persistent Micropolluta	Niaz Talkhouncheg	Sara	Canada	9	Tues 5
7136750	The (hidden) Value Of Ozone	De Franceschi	Laurent	Canada	9	Tues 6
7205345	Engineered TiO ₂ -phosphate glass-ceramic photocatalysts for rapid advanced oxidation of persistent organic contaminants	Yusuf	El-Majid	United Kingdom	9	Tues 7
7136768	Assessment Of Ozone-based Technologies For The Remediation Of Antibiotic-contaminated Human Urine	Zúñiga-Benítez	Henry	Colombia	9	Tues 8
7130328	Treatment Of Reverse Osmosis Concentrate By Integrated Process Combining Catalytic Ozonation With Ceramic Membrane	Sang	Junqiang	China	9	Tues 9
7144486	High-rate Sulfur-based Autotrophic Denitrification (SAD) Followed By UV Irradiation For Nutrient And PFAS Removal	Maiwan	Thitiwut	Thailand	10	Tues 10
7210951	Comprehensive Determination of 74 PFAS Across Aquatic Food Webs: Bioaccumulation From Primary Consumers to Apex Predators	Semarad	Jaroslav	Czech Republic	10	Tues 11
7408821	Mass balance and fates of 40 PFAS in three water resource recovery facilities in Canada	Liu	Jiang	Canada	10	Tues 12
7136801	Occurrence And Removal Of 42 Legacy And Emerging Per- And Polyfluoroalkyl Substances (PFAS) In Drinking Water Treatment	Oh	Jeong-Eun	Republic of Korea	10	Tues 13
7138209	Spatial Distribution And Composition Of PFAS In Sediments Of An Urban River Basin	Kim	Hyunjin	Republic of Korea	10	Tues 14
7143742	Unveiling Bis-FMeSI As An Emerging PFAS From Lithium-Ion Batteries: Evidence From Industrial Streams To The Environment	Li	Chia-Pei	Taiwan	10	Tues 14
7143865	Forever Chemicals In The Flow: Quantitative Profiling Of PFAS In GTA Wastewater Treatment Effluents	Bao	Shan	Canada	10	Tues 15
7143956	Seasonal Variation Of PFASs Concentration Observed In Nakdong River Basin	Lee	In-Jeong	Republic of Korea	10	Tues 16
7256333	Assessing the use of iron-based materials in Advanced Oxidation and Reduction Processes for the degradation of PFOA and PFOS	Zingaretti	Daniela	Italy	10	Tues 17
7144340	Towards PFOA-Free Water Using CeO ₂ Adsorption	Zheng	Fangyuan	Portugal	10	Tues 18
7144981	Matrix Effects On UV-based Intermittent Reductive oxidative Defluorination Of PFOA & PFOS	Liu	Shuhao	Netherlands	10	Tues 19
7144632	Water Sanitation And Health: Understanding The Relationship And Implications In The Developing Economies	Chungani	Hamred	Kenya	11	Tues 20
7144642	Importing Products, Outsourcing Pollution: The Unequal Burden Of Water Pollution Caused By International Trade	Glienke	Judith	Canada	11	Tues 21
7144666	How Does The Selection Of Micropollutant Set Affect European Urban Wastewater Treatment Directive Compliance?	Piraldi	Sara	Italy	11	Tues 22
7144678	Strengthening Water Quality, Managing Micropollutants, And Enhancing Climate Resilience In Rural Nepal: A Community-Driven Project	Chaudhary Tharu	Radheraman	Nepal	11	Tues 23
7144646	Low-Carbon NH ₃ Generation From Wastewater: Biological Intensification For Sustainable Nitrogen Recovery	Makian	Masoud	Republic of Korea	11	Tues 24