

Programme Digital Conference

Democratia-Aqua-Technica 15. + 16.10.2026

Day 1 - 15.10.2026		
Time (CEST)	Title	Speaker
9:00 – 9:15 a.m.	Welcome from Prof. Dr. Carsten Diener	Prof. Dr. Carsten Diener (Rector SRH University, Germany)
9:15 – 09:30 a.m.	Welcome from project leaders Democratia-Aqua-Technica	Prof. Dr. Ulrike Gayh (SRH University, Germany), Prof. Dr. Maja Turk-Sekulić (University of Novi Sad, Serbia)
09:30 – 10:00 a.m.	Oxidation of Sulfite in Wineries Wastewater with Chlorine Dioxide.	Ehsan Sabeti (Technische Universität Darmstadt)
10:00 – 10:30 a.m.	Surface-Displayed Laccase Biofilms as Immobilized Living Catalysts: A Novel Strategy for Enhanced Degradation of Endocrine-Disrupting Chemicals in Aquatic Environments	Prof. Dr. Jun Wang (Jiangsu University of Technology, China)
10:30 – 11:00 a.m.	Rethinking Biodegradable Waste Management: From Challenges to Goal-Oriented Solutions	Dr. Svjetlana Vujović (University of Novi Sad, Serbia)
11:00 – 11:30 p.m.	The integration of renewable energy and agriculture as a contribution to resilience, water protection, and energy and food security	Prof. Dr. Osvaldo Romero Romero (SRH University, Germany)
11:30 – 12:30 p.m.	Poster presentations	
12:30 – 01:30 p.m.	Lunchbreak	
01:30-02:00 p.m.	Use of marginal water resources in agricultural irrigation against water scarcity	Dr. Neşe YAMAN (Dicle University)
02:00-02:30 p.m.	POPs and PAHs in ambient air: 15 years of monitoring in Serbia and health risk assessment	Prof. Dr. Jelena Radonić (University of Novi Sad, Serbia)
02:30-03:00 p.m.	Adaptive Sustainability in Rural Off-Grid Electrification: A Mechanism-Based Framework for Solar-Battery Mini-Grid Systems	Nathika Panyaopart (SRH University)
03.00-03.30 p.m.	Bioelectrochemical System Integration for Stress-Resilient Anaerobic Digestion	Sadika Choudhury (METU, Turkey)
03.30-04.00 p.m.	Women, Water and Humanitarian Engineering	Prof. Dr. Livier de Regil (UNIVA, Mexico)
04.00-04.30 p.m.	A Comparative Analytical Study of Humanitarian Engineering Awareness and Integration in the Energy Sectors: Perspectives from Engineering Students in Thailand, Germany, and the USA.	Supasit Chivapong (SRH University, Germany)
05.00 – 06:00 p.m.	Digital city rally Heidelberg - water and architectural highlights of the city	



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Day 2 - 16.10.2026		
Time (CEST)	Title	Speaker
9:00 – 09:30 a.m.	Welcome + Coffee	
09:30 – 10:00 a.m.	Gender, Agricultural and Rural Transformation	Dr. Muhammad Ismail Kumbhar (Sindh Agriculture University, Pakistan)
10.00-10.30 a.m.	How Physical Parameters Influence Urban Litter Mobilisation and Transport in Stormwater Systems: A Review	Vidusha Dulmini (Griffith University, Australia)
10.30-11.00 a.m.	Sustainable Wastewater Treatment: Innovative, Hybrid and Resource-Recovery Approaches	Prof. Dr. Maja Turk-Sekulić (University of Novi Sad, Serbia)
11.00-11:30 a.m.	Innovative Approaches towards Sustainable Future-Resilient Cities and Food Systems-Natural-Based Solutions and Digital Tools for Education	Asma Mabrouk (SRH University, Germany)
11.30-12:30 p.m.	Poster presentations	
12:30 – 01:30 p.m.	Lunchbreak	
01:30 – 02:00 p.m.	Nature-based solutions for urban water resilience: challenges and opportunities in a changing climate	Dr. Bojana Tot (University of Novi Sad, Serbia)
02:00 – 02:30 p.m.	Anaerobic digestion as a contribution to reducing the organic load of water bodies, producing energy, and promoting agroecology	Prof. Dr. Ileana Pereda Reyes (SRH University, Germany)
02:30 – 03:00 p.m.	Integrating Dark Fermentation and Microbial Electrolysis for enhanced Biohydrogen Production: Design, Performance, and Trade-offs	Idilay Konar (METU, Turkey)
03:00 – 03:30 p.m.	tbd	Oleh Lysak (Institute of Renewable Energy of the National Academy of Sciences of Ukraine)
03:30 – 04:00 p.m.	Wrap up and Closure	Prof. Dr. Ulrike Gayh (SRH University, Germany), Prof. Dr. Maja Turk-Sekulić (University of Novi Sad, Serbia)

Join Teams Meeting

[Jetzt an der Besprechung teilnehmen](#)

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Poster Presentations Day 1 - 15.10.2026

Title	Speaker
Flue gas desulfurization using the wet additive method– Case Study of the Ugljevik Thermal Power Plant	Jovana Aleksić (University of Novi Sad, Serbia)
Groundwater Quality and Sustainable Water Resource Management in the Regueb–Sidi Bouzid Basin, Central Tunisia	Dr. Rim Missaoui (University of Gafsa, Tunisia)
Project SustAInability	Gergana Kehayova, Enis Yazici (SRH University, Germany)
Flood Cambodia Detection: a browser-based flood image classifier, scenario model and Phnom Penh terrain screening map	Adrian Zlender, Sovanmony Reaksmey, Manuchehr Qoriev
AI -Based Waste Detection and Street Mapping of polluted floodwater in Phnom Pen	Katharina Krohm, Laiba Ali, Socheata Phallim
Smart Flood Capture and Irrigation	Supasit Chivapong, Assem Raimzhanova

Poster Presentations Day 2 - 16.10.2026

Title	Speaker
Waste-grabbing Robot for Sewage Water — Existing Robot Performance and Future Application Prospects in Shenzhen	Liangyu Chen (SRH University, Germany)
Project Danube Connects	Anja Roth (SRH University, Germany + University of Novi Sad, Serbia)
Development of Low-Cost Water Quality Analysis System	Stephanie Kattah (SRH University, Germany)
Development of Low-Cost Water and Soil Sensor Systems	Guilong Xiang (SRH University, Germany)
Adsorption Of Heavy Metals (Copper) Using Leonardite Humic Substances	David Herbert Ogoe (SRH University, Germany)
Leonardite as an immobilizing agent in Chromium-contaminated soils	Mohamed Bouh (SRH University, Germany)
Adsorption of Chromium Micropollutants from Water	William Kumar (SRH University, Germany)