

Session 10:15 – 11:15

Special session		
B 100		
Chairman: dr hab. inż. Karol Sztekler		
Hours	Presenters	Topic od Presentation
10:15	Krzysztof Pikoń	Circular Energy
10:30	Yundong Wu	Treatment of biodiesel wastewater by bench-scale combined anaerobic granular sludge expanded bed and modified bio-contact oxidation reactors
10:45	Sammani Ramanayaka	Bioenergy Waste Derived Nanobiochar for the Removal of Oxytetracycline from Aqueous Media
11:00	Mamo Abawalo	The Role of Biogas-based-Hydrogen production technologies in circular economies
Kahoot Quizz		

Chemistry and Environmental protection		
B 102		
Chairman: PhD. DSc. Eng. Wojciech Hryb		
Hours	Presenters	Topic od Presentation
10:15	Yuta Nakai	Effect of various cations on the adsorption and absorption behavior of water and nitrogen in ion-exchanged FAU and MOR zeolites
10:30	Malgorzata Hasal	Synthesis of carbon nanodots as sustainable nanomaterials for environmental applications
10:45	Aiganym Aman	Soil pollution: Causes, effects and solutions

Water		
B 115		
Chairman: PhD. DSc. Eng. Anna Mainka		
Hours	Presenters	Topic od Presentation
10:15	Ulbolsyn Zhanbek Dana Salimgaliyeva	Impact of Water Pollution on Human Health Introduction
10:30	Tomasz Fronczyk	Polymers in the Removal of Antibiotics from Water – Review
10:45	Sajeela Sehar	Potential of iron oxide nanoparticles loaded biochar to remove phosphorus from contaminated water

Environmental protection		
A 135		
Chairman: PhD. DSc. Eng. Marcin Landrat		
Hours	Presenters	Topic od Presentation

10:15	Zahra Batool	Evaluating the Protective Potential of Green Tea (Camellia sinensis) Hydrosol Against Imidacloprid-Induced Oxidative Stress in Zebra Mussels (Dreissena polymorpha)
10:30	Szymon Świdorski	Green infrastructure innovations in urban spaces in the context of sustainability
10:45	Mujahid Ali	Modeling Passenger Car Emissions in Poland with MOVES: Trends, Forecasts, and Policy Implications for Sustainable Mobility
11:00	Daniel Adema	Evaluating Nature-Based Approaches for Septic Tank Effluent Treatment: Performance of a Full-Scale Multimedia Filter and Pilot-Scale Constructed Wetlands.

Chemistry		
B 35		
Chairman: PhD. DSc. Eng. Edyta Kudlek		
Hours	Presenters	Topic od Presentation
10:15	Agata Kołkowska	Influence of PEO process parameters on photocatalytic activity of the oxide layer
10:30	Agata Kołkowska	Iron incorporation into the oxide layer on titanium formed during the PEO process
10:45	Elizabeth Addae	Zinc Oxide (ZnO) Blocking Layers for Efficient Dye Sensitized Solar Cells
11:00	Magdalena Marny	Synergistic effect of combined semiconductor oxides as a basis for the synthesis of new generation photocatalysts

Session 12:00 – 13:15

Circular Economy and Biomass		
B 102		
Chairman: PhD. DSc. Eng. Wojciech Hryb		
Hours	Presenters	Topic od Presentation
12:00	Wojciech Sikorski Dominik Kłaput	Building research equipment with recycled materials: developing a low-cost phytotron
12:15	Badis Boulhouchet	Review on End-of-Life waste Management and Recycling of PV panels case study of Algeria
12:30	Anastasiia Pashko	Building and testing/ evaluating research equipment with recycled materials: developing a low-cost phytotron
12:45	Agnieszka Stawinoga	Data-Driven Accessibility: Using IoT and Crowdsourced Mapping to Support Sustainable Urban Transformation
13:00	Mahsa Mokhtarian	Biowaste thermochemical conversion

Structural and Water		
B 115		
Chairman: PhD. DSc. Eng. Anna Mainka		
Hours	Presenters	Topic od Presentation
12:00	Safdar Iqbal	Mechanical Property of Cellular material using PLA material
12:15	Joanna Wilk	Removal of micropollutants from wastewater during treatment stages – the revised Urban Wastewater Treatment Directive perspective
12:30	Drashti Mehta	Biosorption of heavy metals by B.thurengiensis OSM29
12:45	Andrew Ikingura	Integrated assessment of water scarcity drivers and threats to aquatic biodiversity: Insights from LULC and NDWI Analyses
13:00	Andrew Ikingura	Ecological Impact of Rain Gardens in Lublin: A GIS-Based Assessment of Urban Vegetation Dynamics

Power Engineering and Air quality		
A 135		
Chairman: PhD. DSc. Eng. Marcin Landrat		
Hours	Presenters	Topic od Presentation
12:00	Aleksander Rożek	Thermal Energy Storage: A Solution to Power Grid Overload and Renewable Energy Fluctuations
12:15	Daniel González García Teddy Manerouck	Energetic approach Spain vs France
12:30	Przemyslaw Golasz	Modelling surface adsorption phenomenon via User Defined Functions in Ansys Fluent
12:45	Juhi Mishra	Microbiological Air Quality in a University Sports Hall: Impact of Initial Occupancy on Fungal and Bacterial Aerosols