

3:30 p.m., Monday, 4th April

1st POSTER SESSION
Analytical Chemistry & Nanotechnology 1

1 Ewelina Kowalewska (3:30 p.m. – 3:40 p.m.)

Nanodiamond composites for 3D printed optoelectronics

2 Barbara Niemiec (3:40 p.m. – 3:50 p.m.)

Application of Graphene Flakes Decorated with Dispersed Gold Nanoparticles as Intermediate Layer for ISEs

3 Natalia Nowak (3:50 p.m. – 4:00 p.m.)

Carbon nanotube-aurein 1.2 hybrids as a potential anticancer drug delivery system

3:30 p.m., Monday, 4th April

1st POSTER SESSION
Materials Engineering

1 Daria Zielińska (3:30 p.m. – 3:40 p.m.)

Cellulose as an ideal plastic filler and source of simple sugars

2 Jakub Zabrzycki (3:40 p.m. – 3:50 p.m.)

Preparation of MoS₂/carbon nanomaterials catalysts for hydrogen evolution reaction

3 Łukasz Mazur (3:50 p.m. – 4:00 p.m.)

Functional spinel coating materials for modifying metallic interconnectors for electrochemical devices

4 Marta Ciemiorek (4:00 p.m. – 4:10 p.m.)

Conductivity and mechanical properties of ultrafine-grained copper rods processed by Incremental Equal Angular Pressing

5 Daria Zielińska (4:10 p.m. – 4:20 p.m.)

Nucleation activity of nanocellulose in polypropylene composites

6 Izabela Zielińska (4:20 p.m. – 4:30 p.m.)

Composite materials with halloysite to remove pharmacological substances from water

7 Patryk Krempiński (4:30 p.m. – 4:40 p.m.)

Investigation of growth of rhenium oxide on HOPG, Si, and glass substrates

3:30 p.m., Monday, 4th April

1st POSTER SESSION

Kinetics, Thermodynamics Process Equipment & Environmental Protection & Other

1 Mateusz Kuczyński, Mateusz Łuba (3:30 p.m. – 3:40 p.m.)

Effect of Resolcinol on the Kinetics of Hydrogen Evolution Reaction Examined on Ir-Modified Nickel Foam Surface in NaOH Solutions

2 Edyta Rekiel (3:40 p.m. – 3:50 p.m.)

Natural ingredients in cosmetics - biosurfactants

3 Michał Stor (3:50 p.m. – 4:00 p.m.)

Depth filtration structures with property to inhibit growth of microorganisms

4 Anna Łętocha (4:00 p.m. – 4:10 p.m.)

Probiotics as active ingredients of care and cleansing cosmetic formulations

5 Renáta Szabó (4:10 p.m. – 4:20 p.m.)

Preparation of thiols and their derivatives with elemental sulfur

6 Johanna Kiss (4:20 p.m. – 4:30 p.m.)

Optimization of PET chemical recycling

4:00 p.m., Tuesday, 5th April

2nd POSTER SESSION
Bioengineering, Biotechnology, Biomedical Engineering

1 Anna Kołakowska (4:00 p.m. – 4:10 p.m.)

Chitosan-modified polylactide spongy bone substitutes

2 Aleksandra Bandzerewicz (4:10 p.m. – 4:20 p.m.)

Poly(glycerol citrate) for possible biomedical applications

3 Daniel Kopeć (4:20 p.m. – 4:30 p.m.)

Synthesis and analysis of drug-eluting hydrogel coating for urological guide wire

4 Dominika Kwarta (4:30 p.m. – 4:40 p.m.)

The Influence of Selected Process Parameters of the Phase Inversion Method on Internal Morphology and Mechanical Properties of Cylindrical Polyurethane Scaffolds'

5 Aleksandra Makiej (4:40 p.m. – 4:50 p.m.)

Removal of pharmaceuticals from waste water

4:00 p.m., Tuesday, 5th April

2nd POSTER SESSION
Mathematical Modeling, Simulations & Optimization & Other

1 Krzysztof Kolankowski (4:00 p.m. – 4:10 p.m.)

Optimization of poly(glycerol butenodioate) cross-linking process via 1,4-butanediamine addition

2 Julita Tabor (4:10 p.m. – 4:20 p.m.)

Fragmentation of TiO₂ suspensions in stirred ball mill

3 Julia Wilewska (4:20 p.m. – 4:30 p.m.)

Tank homogenizer design optimization using CFD and population balance methods

4 Réka Németh (4:30 p.m. – 4:40 p.m.)

Synthesis of cinchona-thiourea or (thio)squaramide organocatalysts and their application in A₃ reactions combined with transition metals

3:40 p.m., Wednesday, 6th April

3rd POSTER SESSION
Bioengineering, Biotechnology, Biomedical Engineering

1 Krzysztof Truchel (3:40 p.m. – 3:50 p.m.)

Computational fluid dynamics simulations of mitral paravalvular leak condition

2 Dominik Kołodziejek (3:50 p.m. – 4:00 p.m.)

Novel magnetic nanofibers for cardiac cell grown and maturation

3 Taral Patel (4:00 p.m. – 4:10 p.m.)

Organic monolayers-based protective coatings for bioelectronic devices

4 Klaudia Szafran (4:10 p.m. – 4:20 p.m.)

Biocoatings for polymer-made implants

5 Patryk Więckowicz (4:20 p.m. – 4:30 p.m.)

The influence of the MTMS aerogel structure on biomass proliferation and naphthoquinones production cultures of transgenic roots