

## Plenary Sessions

### 1<sup>st</sup> Plenary Session (20.04)

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1. Zygmuntowicz Justyna A possibility to obtain an  $\text{Al}_2\text{O}_3$ -Ni composite by centrifugal slip casting
2. Lada Paula Phase composition and microstructure of stabilized and partially stabilized zirconia ceramics
3. Sroka Jolanta Enhancement in properties of the fly ash-epoxy resin composite by investigation of filler size and silane treatment
4. Sordon Wanda Voltammetric techniques in the distinction of the absinthe origin
5. Wojciechowski Jaroslaw Corrosion-protective coating based on triethoxyoctylsilane
6. Wojewodzka Anna Synthesis, structure and reactivity of alkylzinc carboxylates

### 2<sup>nd</sup> Plenary Session (20.04)

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1. Panna Wojciech The impact of modifications of the Krakowiec clays on their thermal expansion ability
2. Pieta Paulina Wide range of applications of ANOVA with regard to the problems of mineral processing
3. Chodor Anna Probabilistic simulation of fire scenarios using Monte Carlo analysis
4. Kopczyński Kacper Functionalized activated carbon as electrode material in electrochemical capacitor
5. Pasiut Katarzyna The influence of  $\text{ZrO}_2$  on the technological parameters
6. Wajda Aleksandra Characterization of the magnesium-containing bioactive silico-phosphate glasses

### 3<sup>rd</sup> Plenary Session (21.04)

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1. Piek Magdalena Tetrathiafulvalene modified ion-selective electrodes for the determination of nitrate
2. Wegiel Krystian Application of bismuth bulk electrodes with electrochemical activation system to determination of Fe(III) trace
3. Smajdor Joanna High sensitive determination of levothyroxine on mercury film silver based electrode
4. Krol Grzegorz Conditions of dead zone forming in porous catalyst pellet
5. Gaweda Magdalena Application of spectroscopic methods in studying novel materials: black glasses
6. Kotkowski Tomasz The usage of the reaction calorimeter for studying the kinetics of chemical reactions

#### 4<sup>th</sup> Plenary Session (21.04)

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1. Glowka Aleksandra Physicochemical properties of macro- and microemulsions containing undecylenoyl phenylalanine
2. Kapuscinska Alicja The use of laser diffraction (LD) technique in detection the instability of emulsions containing jasmonates
3. Peziak-Kowalska Daria The removal of herbicide from various aqueous systems by EAOPs combined with biological methods
4. Kruk Aleksandra The influence of molecular weight of polymer on a morphology of polylactide membranes for tissue engineering
5. Kothencz Reka A screening method of surfactants and their mixtures for chemical enhanced oil recovery
6. Lesniak Magdalena Willemite glass-ceramic glazes

#### 5<sup>th</sup> Plenary Session (22.04)

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1. Wolosiewicz-Glab Marta A comparative analysis of selected mills and grinding media used in them to achieve a certain degree of particle size
2. Taraba Anna Surfactant-based extraction of plant origin compound
3. Fodi Tamas Flow chemistry in macrocyclization of crown ethers
4. Kolanowski Lukasz The carbon material modified with a low-temperature plasma iodine as electrodes of the electrochemical capacitor
5. Kuzminska Aleksandra Small diameters vascular graft manufacturing method development

#### 6<sup>th</sup> Plenary Session (22.04)

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1. Kopec Kamil Antibacterial properties study of surface modified PDMS
2. Farkas Attila Application of component number analysis methods on Raman maps
3. Nowak Elzbieta Use of organic compounds in solar cells
4. Przybysz Agnieszka Optimisation of PLA-chlophenesin hybrid nanospheres production through DOE
5. Rumin Martyna Novel voltammetric procedure for Bisphenol A determination in real samples using glassy carbon electrode modified with Carbon Black nanoparticles