The 1 st day - MONDAY		
1 st P	lenary Session	
	tical chemistry 1	
1. Katarzyna Jedlińska	The renewable galinstan film metal based electrode for voltammetry	
2. Łukasz Magda	New application of gassy carbon electrode modified by material composed of ceramic nanopowder and conductive polymers	
3. Magdalena Pięk	Comparison of influence of used nanomaterials on Na ⁺ -ISEs parameters	
4. Justyna Robak	Entire volume modification of carbon ceramic electrode using zeolite	
5. Joanna Smajdor	Modification layers used in voltammetric measurements	
6. Wanda Sordoń	Voltammetric determination of antioxidants	
2 nd Plenary Session		
Analytical chemistry 2 & Environmental protection, alternative		
en	ergy sources	
1. Krystian Węgiel	Voltammetric determination of Mo(VI) at the in situ regenerated BiABE electrode	
2. Justyna Zuziak	Voltammetric strategies of aluminium traces determination	
3. Kamila Brylewska	Sorption properties of mesoporous ZSM-5 and BEA zeolites	
4. Daria Polek	The environmental impact of installations for depolymerization of plastic waste	
5. Piotr Rożek	Solidification of hazardous solid waste incineration bottom ash	

6. Małgorzata Słapińska	Potential of remote sensing data for detection of hydrographic features of lowland river: meandering and oxbow lakes shape changes and water quality. The Biebrza River case study
The 2	nd day - TUESDAY
3 rd	Plenary Session
	chnology, biomedical engineering &
	anotechnology
1. Monika Budnicka	Polymer nanospheres with isoniazid preparation and antituberculosis activity studies
2. Aleksandra Kruk	The influence of classic pore precursors on a morphology and mechanical properties of polyesters membranes for tissue engineering
3. Agnieszka Sebai	Preparation of methyl ester of L-serine
4. Katarzyna Kramek - Romanowska	Potential toxic effects of selected nanoparticles on pulmonary surfactant system
5. Magdalena Krupska	Ion beam mixing and interdiffusion in magnetite thin films after Ar ⁺ ion irradiation
6. Elżbieta Nowak	ZnS nanowires as a new acceptor material for the photovoltaic cells
7. Jacek Wojnarowicz	Research on the size control mechanism of ZnO nanoparticles obtained in microwave solvothermal synthesis
4 th	Plenary Session
Mathematical modeling,	simulations, optimization & Kinetics,
th	ermodynamics
 Dominika Boroń & Jakub Szyman 	External mass transfer limitation of heterogeneous processes for various types of hydrodynamics

2.	Grzegorz Król	New, simple method of determining necessary conditions of dead zone formation in catalyst pellet
3.	Albasher Shareif	Future of Flywheels Technology in Transportation
4.	Anna Taraba	Comparison of micellar and alcohol extraction of flavonoid
5.	Michał Fedoryk	A new method to compare micromixedness results obtained in iodide-iodate method using different reactant concentrations
6.	Tomasz Kotkowski	Investigation of the integrated reactive adsorption process
	5 th Plo	enary Session
		Other
1.	Tamás Fődi	Membrane assisted continuous-flow reactions
2.	Agnieszka Gabryelczyk	The influence of ionic liquids structure on corrosion parameters in lead-acid battery
3.	Małgorzata Graś	The effect of electrode modification on the electrochemical capacitor performance
4.	Łukasz Kolanowski	Heteroatom-doped carbons for electrochemical applications
5.	Kacper Kopczyński	Ionic liquids as additives for lead-acid battery
6.	Aleksandra Zielińska	Synthesis of solid lipid nanoparticles and nanostructured lipid carriers for pharmaceutical and cosmetic purposes

The 3 rd day - WEDNESDAY 6 th Plenary Session		
6 th	Plenary Session	
	1 & Apparatus, separation processes	
1. Ibrahim Soran	The application of coalescing plate for seperating water and oil in water treatment plant in the petroleum industry by utilizing CFD simulation	
2. Aleksandra Wajda	Characterization of sol-gel derived glasses from binary system SiO₂-CaOcontaining cerium ions	
3. Justyna Chrzanowska	The effect of substrate temperature on the properties of tungsten boride layers deposited by radio frequency magnetron sputtering and pulsed laser deposition	
4. Magdalena Gawęda	Cerium doped amorphous materials based on silicon oxycarbide and their possible applications	
5. Renata Jadach	Structural and luminescence properties of germanate glasses modified by aluminium oxide	
7 th	Plenary Session	
Mate	rials Engineering 2	
1. Péter Kisszékelyi	Size enlargement and recovery of som cinchona-based organocatalysts applying organic solvent nanofiltration	
2. Petra Kozma	Synthesis and application of cinchonasquaramide organocatalyst supported on polybenzimidazole membrane	
3. Jozsef Kupai	Preparation of synthetic metalloporphyrins and their application in biomimetic oxidations of drugs in flow systems	

4. Paula Łada The effect of addition of various Ti

powders on the zirconia matrix composite

5. Katarzyna Pasiut The influence of the addition of ZrO₂ on the

technological parameters of a porcelain

glazes

8th Plenary Session *Materials Engineering 3*

1. Łukasz Rakoczy Microstructural changes of cast nickel

alloys induced by laser beam

2. Julia Rogowska-Tylman Ultrasonic Coating as a Method of

Medical Implants Surface Modification

with Bioactive Nanoparticles

3. Jolanta Nieroda The preliminary characterization of

amorphous metal surface for power

industry application

4. Agata Supeł Electrodeposition of the calcium-

phosphate coatings on titanium for bone

tissue engineering

5. Justyna Zygmuntowicz Fabrication of Al₂O₃-Ni composites via

centrifugal gel casting

The	1 st day – MONDAY
	Rapid Poster Session
	& Poster Session
1. Marta Dąbrowska	Stability testing of cosmetic bases for skin care products using multiple light scattering method
2. Marta Dąbrowska	The influence of irydoids content on effectiveness of cosmetic formulations
3. Aleksandra Zielińska	Encapsulation of linalool in solid lipid nanoparticles
4. Aleksandra Główka	The determination of benzophenanthridine and protopine derivatives in biological fluids
5. Katarzyna Jedlińska	Application of galinstan film electrode for determination of thallium (I) traces using anodic stripping voltammetry
6. Łukasz Magda	Effect of modification of carbon paste electrodes pasted on the quality of the analytical signal
7. Justyna Robak	Optimization of instrumental parameters for voltammetric determination of 4-chloro-3-methylphenol using Bi-CCE
8. Magdalena Karpowicz	Laser additive manufacturing of composites based on tungsten carbide
9. Sylwia Jarmolińska	Esterification reactions conducted in the presence of sulfonated mesoporous silica
10.Anna Kurzych	Interferometric fibre sensor for rotational seismology application

1	l1.Marlena Kwiatkowska	The four-channel polarimeter to examining the selected optical elements
1	L2.Natalia Przybysz	Electrooptic properties of nematic liquid crystal mixtures doped with gold nanoparticles
1	L3.Natalia Przybysz	Effective methods of selective filling of the air holes in the polarization-maintaining photonic crystal fiber
1	L4.Łukasz Rakoczy	Influence of hot dip galvanizing on the microstructure and hardness of heat-treated construction steel
	2 nd Rapi	d Poster Session
	& Pc	oster Session
1	I. Paulina Dębek	Synthesis and characterization of palladium catalysts supported on SBA-16 materials
2	2. Aleksandra Zielińska	D-limonene-loaded Solid Lipid Nanoparticles (SLN) as innovative delivery system for pharmacy and cosmetic industries
3	3. Justyna Robak	The influence of bismuth oxide nanoparticles on electrochemical properties of carbon ceramic electrode
4	1. Krystian Węgiel	Conditioning of bismuth bulk electrode for the characterization of clothia nidin and its determination in selected sam ples by DPV
5	5. Katarzyna Wilkosz	Adsorption of benzo[a]pyrene on natural and synthetic materials
6	5. Aleksandra Wojciechowska	Recovery of zinc(II) from chloride solutions usinghollow fibre contactor with pyridine derivates extractant

7. Sylwia Dąbrowska The degradation tests of ceramic-polymer composites with hydroxyapatite for orthopedic implants 8. Maria Małysa Investigating the possibility of manufacturing the composite from nanocrystalline hydroxyapatite and silk fibers and study of its selected properties 9. Agnieszka Patyna Study of selected aspects in microalgae Chlorella vulgaris cultivation in laboratory conditions 10.Kamil Wierzchowski Investigation of the rate of oxygen absorption in a wave-type agitated singleuse bioreactor 11. Monika Pawlita – Posmyk Monitoring of domestic sewage treatment plant 12. Magdalena Szaniawska Determination of CMC values of the surfactant solutions 13.Anna Drzewicz Analysis of IR spectra of three ring liquid crystalline chiral esters

The 2 nd	day	- TU	ESDAY
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14. Justyna Jonik

3rd Rapid Poster Session & Poster Session

Paulina Dębek Hydrodeoxygenation of anisole as bio-oil model compound over Ru/MCM-41 catalysts

2. Sylwia Jarmolińska Platinum supported on mesoporous silica

of MCM-41 type – synthesis and characterization procedures

The thermodynamic properties of the

liquid crystal stationary phase

3. Joanna Smajdor	Carbon black as a modification layer for high sensitive melatonin determination
4. Magdalena Pięk	Improving of nitrate sensors parameters by applying graphene-based intermediate layers
5. Aleksandra Wojciechowska	Recovery of iron(III) from chloride solutions
6. Justyna Zuziak	Voltammetric profiling of tea infusions
7. Emilia Drozdek	Heterogeneous degradation of xenobiotics by sunlight radiation
8. Krystian Węgiel	Electrochemical properties of riboflavin at a metallic annular band electrodes
9. Aleksandra Główka	Antioxidant activity of <i>Chelidonium majus L.</i> plant extract
10.Łukasz Magda	Dopamine detection used to glassy carbon electrode modified by conductive polymer with nanopowders of TiO ₂
11.Magdalena Gawęda	Surface properties of the layers based on cerium doped black glass on austenitic stainless steel substrate
12.Renata Jadach	Research on structural properties of antimony-silicate glasses doped with thulium ions
13.Olga Markowska	Overview of etchant dedicated to wet chemical etching of HgCdTe materials
14.Maksymilian Nowak	Preparation of poly(vinyl alcohol)/graphene composites

The 3rd day - WEDNESDAY 4th Rapid Poster Session

	& Poster Session		
1.	Paweł Antkowiak & Radosław Krzosa, KNIChiP	Building a Mobile Liquid Nitrogen Generator	
2.	Katarzyna Gaładyk	Study of series of antiferroelectric smectic mixtures composed with smectogens exhibiting synclinic and anticlinic phases	
3.	Joanna Moś	Influence of different materials on light propagation in tapered optical fiber	
4.	Marcin Kos	Analysis of the effect of shaping the plate of plate heat exchanger on the effectiveness of its work	
5.	Joanna Lechowska	Hydrodynamic studies of magnetically assisted external loop air-lift	
6.	Agnieszka Chodara	Synthesis of nanohydroxyapatite using microwave energy	
7.	Aneta Duda	Investigations of Fe thin films deposited on Si substrates by XRR, RBS, AFM and HSEM	
8.	Magdalena Krupska	Characterization and modification of FePd thin films deposited on SiO ₂ /Si(001)	
9.	Diana Rymuszka	Stability of water silica suspension with polymer addition	
10	.Jacek Wojnarowicz	Microwave solvothermal synthesis and characterization of ZnO nanoparticles codoped with Co ²⁺ and Mn ²⁺ ions	
11	.Bartosz Woźniak	Ultrasonic coating technology for improving bone implants	

12. Agnieszka Gabryelczyk	1-alkyl-4-(dimethylamino) pyridinium bis(trifluomethylsulfonyl) imides as electrolytes for supercapacitors
13. Małgorzata Graś	Anode material for direct borohydride fuel cell
14.Marta Pytlarczyk	New nematic liquid crystals with long conjugated π electronic system
5 th Rapid	d Poster Session
	ester Session
1. Jolanta Nieroda	Aluminosilicates as an effective filler for epoxy resin composites
2. Renata Wonko	Long Periods Fibers Grating made by filament heating
3. Wanda Sordoń	Is chemometrics and voltammetry a great couple for food profiling and authenticity?
4. Anna Drzewicz	Helical pitch of bicomponent systems of 3FnXPhY series
5. Justyna Jonik	The Raman spectroscopy and X-ray photoelectron spectroscopy as the methods of graphene analysis
6. Łukasz Kolanowski	Ionic liquids additives for nickel electroplating
7. Kacper Kopczyński	Removal of organic contaminants from water systems by using hybrid process
8. Marta Pytlarczyk	Synthetic pathways of novel high fluorinated C4-C4 dialkylphenyltolanes
9. Adriana Szydłowska	Influence of solid concentration on rheological properties of the suspensions

10. Tomasz Wawer	Synthesis and analysis of oxidased graphite
11.Joanna Smajdor	Use of the renewable mercury film electrode for sensitive determination of selected hormones
12.Krystian Węgiel	Elimination of environmental sample matrix interferences by using XAD-7 resin in voltammetric determination of Mo(VI)
13.Katarzyna Pasiut	The influence of the addition of ZrO ₂ on the surface parameters of a porcelain glazes treated construction steel