

Tuesday, 26 th of July		Wednesday, 27 th of July				Thursday, 28 th of July				Friday, 29 th of July				
		9 ⁰⁰ -9 ³⁰	IL01		IL02		9 ⁰⁰ -9 ³⁰	IL05		IL06		9 ⁰⁰ -9 ³⁰		
		9 ³⁰ -11 ²⁰	Poster session 1 <i>Coffee break</i>				9 ³⁰ -11 ²⁰	Poster session 2 <i>Coffee break</i>				9 ³⁰ -11 ²⁰	Poster session 3 <i>Coffee break</i>	
		11 ²⁰ -11 ⁴⁰	KL01	KL02	KL03	KL04	11 ²⁰ -11 ⁴⁰	KL05	KL06	KL07	KL08	11 ³⁰ -12 ¹⁰	Luis A. Perez-Maqueda, PL5	
		11 ⁴⁰ -12 ⁰⁰	OP1.01	OP2.01	OP3.01	OP4.01	11 ⁴⁰ -12 ⁰⁰	OP1.08	OP2.08	OP3.08	OP4.08			
		12 ⁰⁰ -12 ²⁰	OP1.02	OP2.02	OP3.02	OP4.02	12 ⁰⁰ -12 ²⁰	OP1.09	OP2.09	OP3.09	OP4.09	12 ¹⁰ -12 ²⁰	CEEC-TAC7 Info	
		12 ²⁰ -12 ⁴⁰	OP1.03	OP2.03	OP3.03	OP4.03	12 ³⁰ -13 ⁰⁰	IL07		IL08				
		12 ⁵⁰ -13 ³⁰	Sigrid Bernstorff, PL2				13 ⁰⁰ -13 ⁴⁰	Werner E.G. Muller, PL4				12 ²⁰ -13 ⁰⁰	Konstantinos Raftopoulos, PL6	
		13 ³⁰ -15 ⁰⁰	<i>Lunch</i>				13 ⁴⁰ -15 ⁰⁰	<i>Lunch</i>				13 ⁰⁰ -14 ³⁰	<i>Lunch</i>	
		15 ⁰⁰ -15 ¹⁰	CEEC-PCMS1 Info				15 ⁰⁰ -15 ¹⁰	CEEC-PCMS1 Info				14 ³⁰ -15 ³⁰	Workshop on Physical Chemistry	
		15 ¹⁰ -15 ⁵⁰	Aliaksandr Bandarenka, PL3				15 ¹⁰ -15 ²⁰	CEEC-PCMS2 Info						
		16 ⁰⁰ -16 ³⁰	IL03		IL04		16 ⁰⁰ -20 ⁰⁰	Afternoon break				15 ³⁰ -18 ⁰⁰	Afternoon break	
12 ⁰⁰ -16 ³⁰	Registration of participants at CEEC-PCMS1	16 ³⁰ -16 ⁵⁰	OP1.04	OP2.04	OP3.04	OP4.04								
		16 ⁵⁰ -17 ¹⁰	OP1.05	OP2.05	OP3.05	OP4.05								
		17 ¹⁰ -17 ³⁰	OP1.06	OP2.06	OP3.06	OP4.06								
16 ³⁰ -19 ⁰⁰	Afternoon break	17 ³⁰ -17 ⁵⁰	OP1.07	OP2.07	OP3.07	OP4.07								
19 ⁰⁰ -19 ⁵⁰	Opening Ceremony	18 ⁰⁰ -19 ⁰⁰	CEEC-PCMS Assembly											
19 ⁵⁰ -20 ³⁰	Jaroslav Sestak, PL1	17 ⁵⁰	Free evening											
20 ³⁰ -23 ³⁰	Welcome Cocktail						20 ⁰⁰ -24 ⁰⁰	Conference Dinner		18 ⁰⁰ -20 ⁰⁰	Old-City Tour			
1. Room A at KTF (A0-2, Level 0)										Saturday, 30 th of July				
2. Room B at KTF (A0-3, Level 0)										KTF Tour				
3. Room C at KTF (A1-3, Level 1)						9 ³⁰ -11 ⁰⁰								
4. Room D at KTF (A1-2, Level 1)						11 ⁰⁰				Closing Ceremony				
5. Coffee Break and Poster Session area at KTF														
6. Canteen at the Student Service														
1-6: Sveuciliste u Splitu, Kemijsko-Tehnoloski Fakultet, Rudera Boskovicica 35, Split														
7. To be announced														
8. Split City Centre – Diocletian Palace														

Program of CEEC-PCMS1
26-30 July 2022
Split, Croatia

Plenary, Invited & Keynote Lectures				
No	Name	Country	Abstract title	Code
Plenary Lectures				
1	Sestak, Jaroslav	Czech Republic	Thermal analysis and material thermodynamics assuming dimensions	PL1
2	Bernstorff, Sigrid	Italy	Small Angle Scattering and its Application in Chemistry, Life and Material Science	PL2
3	Bandarenka, Aliaksandr	Germany	Identifying Active Electrocatalytic Centers Under Reaction Conditions with Electrochemical Scanning Tunneling Microscopy	PL3
4	Muller, Werner E.G.	Germany	Morphogenetically active amorphous polyphosphate: A foundational breakthrough invention for medical applications	PL4
5	Prez-Maqueda, Luis A.	Spain	Ceramics in a Flash. Flash Sintering of ceramic materials	PL5
6	Raftopoulos, Konstantinos	Poland	Glass transition in polyurethane-POSS hybrid materials	PL6
Invited Lectures				
1	Blanco, Ignazio	Italy	POSS Hybrid Nanoparticles: State of the Art and Future Developments	IL01
2	Freitas, Vera L.S.	Portugal	Advances on the thermochemistry of heterocyclic compounds	IL02
3	Hus, Matej	Slovenia	The role of theoretical calculations and multiscale modelling in understanding mechanisms and kinetics in heterogeneous catalysis	IL03
4	Goncalves Leles, Maria Ines	Brazil	The research in partnership with the pharmaceutical industry: Challenges and Opportunities	IL04
5	Menyhard, Alfred	Hungary	Simulation of crystalline morphology and optical properties from a simple calorimetric crystallization curve	IL05
6	Manfredi, Diego	Italy	Additive Manufacturing for metals: Powder Bed Fusion (PBF) vs. Directed Energy Deposition (DED) techniques	IL06
7	Oliver, Clive L.	South Africa	Crystal Engineering of Metal-Organic Frameworks with Dynamic Structural Properties	IL07
8	Vasos, Paul	Romania	Magnetic Resonance Biomarkers for Molecular Imaging of FLASH Radiation Effects	IL08
Keynote Lectures				
1	Simon, Peter	Slovakia	Isoconversional principle and temperature functions	KL01
2	Mateescu, Madalina	Romania	Preparation and characterization of Propyphenazone medicated jellies	KL02
3	Parisi, Filippo	Italy	Maturation stages of glauconites: A combined EMPA, Raman and TGA study	KL03
4	Pavlovic, Miroslav M.	Serbia	Advanced hybrid composite coatings based on calcium phosphate on titanium for potential biomedical applications	KL04
5	Roventa, Ionel	Romania	From control theory to a new integral method for non-isothermal kinetic analysis	KL05
6	Ivanov, George R.	Bulgaria	Adsorption of glucose oxidase enzyme molecules to Langmuir films from DPPE-NBD phospholipid with well-developed 3D structure and glucose sensor formed by the Langmuir-Blodgett film method	KL06
7	Bednarska, Dalia	Poland	Sodium sulphate crystallization pattern within pores of red clay brick induced by temperature decrease	KL07
8	Racz, Adel	Hungary	Carbide-rich protective nano-coatings produced by noble gas ion-mixing	KL08

Oral Presentations 1. Thermal Science, Kinetics & Catalysis				
No	Name	Country	Abstract title	Code
1	Oreski, Gernot	Austria	Degradation of PET – quantitative estimation of changes in molar mass using mechanical and thermal characterization methods	OP1.01
2	Pucko, Ivan	Croatia	Thermal properties of diesel with different methyl and benzyl methacrylate polymer additives	OP1.02
3	Zhao, Shuna	China	Thermal behaviour and decomposition mechanism of double-base solid propellants by kinetic methods	OP1.03
4	Alonso Ipina, Alain	Spain	Thermal characterization of Acrylonitrile Butadiene Styrene-ABS obtained with different manufacturing processes	OP1.04
5	Cieslar, Miroslav	Czech Republic	Thermal stability of composite Ni-Ti core-shell nanoparticles	OP1.05
6	Moradi, Sasan	Spain	Effect of densification on the thermal conductivity of the epoxy composites	OP1.06
7	Sert, Seda	Turkey	Carbazole Containing Photoactive Azobenzene Derivatives: Electropolymerization, Thermal Stability and Solar Thermal Storage Propertie	OP1.07
8	Rotaru, Andrei	Romania	Is Porous Society the Origin of Social Order?	OP1.08
9	Kurajica, Stanislav	Croatia	Thermal stability and properties of Pd/CeAlO ₃ catalyst prepared by combustion synthesis	OP1.09

Oral Presentations 2. Electrochemistry, Soft Materials, Thin Films & Coatings				
No	Name	Country	Abstract title	Code
1	Boshkov, Nikolay	Bulgaria	Corrosion characterization of hybrid zinc coatings on steel with embedded CuO nanoparticles in artificial sea water	OP2.01
2	Hrepic, Antea	Croatia	Eco-friendly copper corrosion inhibitors in sodium chloride solution	OP2.02
3	Kokol, Vanja	Slovenia	Ecotoxicity and cytotoxicity of antimicrobial active nanocellulose	OP2.03
4	Monreal Corera, Nicolas	Spain	Systems containing chlorhexidine and polylactic cid/polyvinylpyrrolidone for biomedical applications	OP2.04
5	Blyzniuk, Bohdana	Poland	Epitaxial Magnetite Films grown under external magnetic field	OP2.05
6	Alonso Ipina, Alain	Spain	Experimental and analytical study of the influence of the incident heat flux in cables heat release	OP2.06
7	Cakara, Dusko	Croatia	Application of the effective medium theory for optical modelling of the composite thin films	OP2.07
8	Vucetic, Snezana	Serbia	Investigation of mortars technology applied at the borders of the Roman Empire	OP2.08
9	Striani, Raffaella	Italy	Coating's influence on wind erosion of porous stone used in the cultural heritage of Southern Italy: surface characterisation and resistance	OP2.09

Oral Presentations 3. Geoscience, Functional Materials & Nanomaterials				
No	Name	Country	Abstract title	Code
1	Rukavina, Marko	Croatia	Geopolymer-zeolite composites for photocatalysis	OP3.01
2	Slany, Michal	Slovakia	Metabentonite and metakaolin-based geopolymers: relation between kind of clay mineral, calcination temperature, and concentration of alkaline activator	OP3.02
3	Sestak, Jaroslav	Czech Republic	Geopolymers considered being hypocrystalline materials with an allied mers-framework: a short evaluation	OP3.03
4	Krezhov, Kiril	Bulgaria	Antiferromagnetism and structure of $Sr_{1-x}BaxFeO_2F$ oxyfluoride perovskites	OP3.04
5	Kwiatek, Natalia	Poland	Chemical and magnetic properties of the Co/ α - Fe_2O_3 (0001) and Co/ Fe_3O_4 (111) bilayers	OP3.05
6	Fahmi, Amir	Germany	Nanofabrication of Functional Hybrid Nanomaterials	OP3.06
7	Ciesielski, Wojciech	Poland	Hybrid materials for hydrogen storage systems based on carbon nanotubes and new super-light lithium alloys	OP3.07
8	Yang, Xinrui	China	Numerical modelling of temperature field and mass loss in glass fibre reinforced epoxy during laser ablation	OP3.08
9	Liu, Hao	China	Effects of Natural Ageing and Humidity on the Combustion Model of Cypress and Fir	OP3.09

Oral Presentations 4. Metals, Alloys, Ceramics & Composites				
No	Name	Country	Abstract title	Code
1	Bajtosova, Lucia	Czech Republic	Structure and recrystallization of thin low-carbon steel films	OP4.01
2	Waichman, Sharon	Israel	Adhesion study of boron carbide coatings sputter deposited on aluminum substrates	OP4.02
3	Mandic, Vilko	Croatia	Potentiostatic vs. galvanostatic approach for growth of the titania nanostructured arrays via electrochemical etching of titanium films deposited by magnetron sputtering	OP4.03
4	Panzic, Ivana	Croatia	Tin oxide as electron transport layer for perovskite solar cells	OP4.04
5	Bastakys, Lukas	Lithuania	Tribological properties of plasma sprayed Cr_2O_3 , Cr_2O_3 - TiO_2 - SiO_2 and Cr_2O_3 - TiO_2 - SiO_2 -graphite coatings	OP4.05
6	Conradi, Marjetka	Slovenia	Water versus oil lubrication of laser-textured Ti6Al4V alloy upon addition of MoS_2 nanotubes for green tribology	OP4.06
7	Marcinauskas, Liutauras	Lithuania	Improvement of tribological properties of alumina and chromium oxide coatings deposited by plasma spraying	OP4.07
8	Vincic, Josip	Italy	Microstructural investigation of the hot work tool steel W360 produced by additive manufacturing	OP4.08
9	Csaki, Stefan	Slovakia	Synthesis of Ti_3SiC_2 MAX phase from Ti, TiC, and SiC by Spark Plasma Sintering	OP4.09

Poster Session 1.				
No	Name	Country	Abstract title	Code
1	Bouamra, Faiza	Algeria	Theoretical study of structural, electronic, thermoelectric and spectroscopic properties of rutile SnO ₂ with oxygen vacancies	PS1.01
2	Zlatic, Gloria	Bosnia and Herzegovina	The influence of <i>Artemisia annua</i> L. extract on biocorrosion of 316L stainless steel caused by bacterium <i>Pseudomonas aeruginosa</i>	PS1.02
3	de Paula Costa, Giovanna	Brazil	Thermal analysis as strategy of elucidation of pharmaceutical cocrystals and eutectics mixtures of Norfloxacin	PS1.03
4	de Paula Costa, Giovanna	Brazil	Mechanochemical synthesis of a dual-drug coamorphous system of Valsartan and Carvedilo	PS1.04
5	Goncalves Leles, Maria Ines	Brazil	Thermal and structural characterization of Ciprofibrate	PS1.05
6	Goncalves Leles, Maria Ines	Brazil	New hybrid of Ciprofibrate with Ni II: synthesis and characterization	PS1.06
7	Boshkova, Nelly	Bulgaria	Protective ability against localized corrosion of steel by hybrid zinc-based coatings in 5% NaCl solution	PS1.07
8	Krezhov, Kiril	Bulgaria	Structure and magnetic properties of nanostructured ZnFe ₂ O ₄ synthesized by sonochemistry	PS1.08
9	Petkova, Vilma	Bulgaria	Influence of pozzolanic additive and cement replacement on crystal and thermal chemistry of mortars	PS1.09
10	Petkova, Vilma	Bulgaria	Thermal investigations of high-energy milled phosphorites from Tunisia, Syria and Estonia	PS1.10
11	Stoyanov, Ventseslav	Bulgaria	A comparative study of ancient and modern masonry mortars	PS1.11
12	Stoyanov, Ventseslav	Bulgaria	The characterization of ancient ceramic	PS1.12
13	Bajtosova, Lucia	Czech Republic	Homogenization of twin-roll cast Al-Li-based alloys	PS1.13
14	Cieslar, Miroslav	Czech Republic	Precipitation in Al-Li-based alloys after constrained groove pressing	PS1.14
15	Dohnalova, Zaneta	Czech Republic	Effect of iron doping on the VIS-NIR reflection, phase composition and thermal stability of SrTiO ₃ perovskite	PS1.15
16	Dubnova, Lada	Czech Republic	Analysis of the active sites in the oxidative dehydrogenation of ethane over Fe-FER	PS1.16
17	Grycova, Barbora	Czech Republic	Pyrolysis of Miscanthus/Wood/Resin Fiberboards to Ensure a Complete Miscanthus Value Chain	PS1.17
18	Kamenikova, Eliska	Czech Republic	Preparation of PET particles for environmental research	PS1.18
19	Klemencova, Katerina	Czech Republic	Catalytic pyrolysis of waste polypropylene with zeolites	PS1.19
20	Meinhardova, Vendula	Czech Republic	Decomposition of methanol-water solution over heterojunction photocatalysts	PS1.20
21	Rezacova, Veronika	Czech Republic	Effect of platinum nanoparticles on dissolved organic m	PS1.21
22	Rezacova, Veronika	Czech Republic	Behaviour of confined water in the presence of nanoparticles	PS1.22
23	Sestak, Jaroslav	Czech Republic	Books show on thermophysical research of materials in the Springer series 'Hot topic of thermal analysis	PS1.23
24	Troppova, Ivana	Czech Republic	Ecotoxicity of photocatalytic TiO ₂ -based surfaces prepared by different preparation methods and doped with Zr and Ce	PS1.24
25	Barzilai, Shmuel	Israel	Chemical interactions between gas-phase impurities contained in hydrogen, and gadolinium hydride surfaces-DFT calculations and experimental study	PS1.25
26	Bar-Ziv, Ronen	Israel	Hybrid Prussian-blue-analog-based nanostructures demonstrate highly efficient electrocatalytic oxygen evolution reaction	PS1.26
27	Mendelson, Orit	Israel	Surfactant-mediated co-existence of Single-Walled Carbon Nanotubes Networks and Cellulose Nanocrystals mesophases	PS1.27
28	Zukerman, Ido	Israel	Hydrogen Protection using CrN Coatings: Experimental and Theoretical Study	PS1.28
29	Blanco, Ignazio	Italy	Thermo-mechanical characterization of Metakaolin(MK)-based geopolymers filled with Etna volcanic fly ash	PS1.29
30	Ribeiro da Silva, Maria D.M.C.	Portugal	Thermochemical and thermophysical studies on 1,7- and 2,7-dihydroxynaphthalene isomers	PS1.30
31	Pavlovic, Miroslav	Serbia	Lanthanum / manganese oxide-based composites with reduced Pt load for oxygen reduction reaction	PS1.31
32	Vucetic, Snezana	Serbia	A novel strategy for the environmental health risk reduction against alpha-radiation in the Autonomous Province of Vojvodina	PS1.32
33	Slany, Michal	Slovakia	Influence of geothermal water and increased temperature on early and middle stages of hydration of multicomponent cement systems	PS1.33
34	Perez-Maqueda, Luis A.	Spain	Improving limestone performance for Thermochemical Energy Storage by surface modification	PS1.34
35	Sirbu, Carmen	Romania	Plant biostimulant effects on vineyard through foliar fertilization	PS1.35
36	Tozar, Tatiana	Romania	Photopolymerization of gelatin methacryloyl (GelMA) hydrogels: synthesis, properties and biological application	PS1.36
37	Urzica, Iuliana	Romania	Manufacture of metal pattern by laser processing for microfluidic structures on polymers	PS1.37
38	Bojan, Mihaela	Romania	Optical and thermal techniques used for a better characterization of hydrogels	PS1.38

39	Nicolicescu, Claudiu	Romania	Fabrication and characterization of W/Cu functional graded materials obtained by conventional and spark plasma sintering	PS1.39
40	Ivosevic, Spiro	Montenegro	Comparative statistical analysis of different shape memory alloys corrosion layers emerged under the influences of seawater environment	PS1.40
41	Sciascia, Luciana	Italy	Synthesis and characterization of polymeric and copolymeric precursors of carbon fibers coupled to a chemical oscillator	PS1.41
42	Sarbu, Daniela	Romania	Obtaining a titanium-based alloy for the automotive industry	PS1.42

Poster Session 2.				
No	Name	Country	Abstract title	Code
1	Biocic, Maja	Croatia	Determination of penicillamine in pharmaceutical formulations using kinetic method with spectrophotometric detector	PS2.01
2	Blazevic, Ivica	Croatia	Glucosinolates vs cadmium accumulation in the cultivated garden cress (<i>Lepidium sativum</i> L.): Resistance is futile?	PS2.02
3	Boskovic, Perica	Croatia	Determination of Vaporization Enthalpy of 3,3-dimethyloctane by Gas Chromatography	PS2.03
4	Brncic, Mladen	Croatia	Rheological behaviour of selected dairy creams	PS2.04
5	Covic, Andela	Croatia	Synthesis of nanosized Titanium dioxide by sol-gel method	PS2.05
6	Curkovic, Lidija	Croatia	Removal of ciprofloxacin from aqueous solution using clinoptilolite-based adsorbents	PS2.06
7	Curkovic, Lidija	Croatia	Photolytic and photocatalytic degradation of the pharmaceutical memantine	PS2.07
8	Dabic, Pero	Croatia	Determination of kinetic parameters of cement hydration with the addition of zinc-saturated zeolite based on the measured heat of hydration	PS2.08
9	Heo, Ho-Seong	South Korea	Effects of CrN coating on titanium as bipolar plates for proton exchange membrane fuel cells	PS2.09
10	Heo, Ho-Seong	South Korea	Electrochemical behaviour of TiN-coated titanium in simulated environment of proton exchange membrane fuel cells	PS2.10
11	Hwang, Hyun-Kyu	South Korea	Optimization of electropolishing process to minimize roughness of super austenitic stainless steel using Taguchi method	PS2.11
12	Hwang, Hyun-Kyu	South Korea	Effect of seawater temperature and damage behaviour analysis on the potentiodynamic polarization characteristics after electropolishing for super austenitic stainless steel	PS2.12
13	Lee, Jong Hyun	South Korea	Synthesis of Submicrometer Cu Particles by Pyrolysis of Cu Formate Complex and Sinter-Bonding Properties Using the Particles	PS2.13
14	Shin, Dong-Ho	South Korea	Effects of TiN and CrN coating on electrochemical characteristics of 316L stainless steel as PEMFC metallic bipolar plate	PS2.14
15	Shin, Dong-Ho	South Korea	Electrochemical characteristics with DLC coating thickness of material for metallic bipolar plate in PEMFC operation condition	PS2.15
16	Yoon, Junhyeok	South Korea	Identification of protein-small molecule interactions based on aptamer-mediated switching of DNA polymerase activity	PS2.16
17	Butkute, Rita	Lithuania	Effect of the Substitution Pattern on the Photophysical Properties of Phenanthroimidazole Derivatives	PS2.17
18	Eisinas, Anatolijus	Lithuania	The effect of calcination temperature on mayenite hydration properties	PS2.18
19	Keruckiene, Rasa	Lithuania	Derivatives of Bis(trifluoromethyl)biphenyl and Various Donor Moieties Exhibiting Dual-State Emission for Sensing Applications	PS2.19
20	Siauciunas, Raimundas	Lithuania	Synthesis and characterisation of calcium monosulfoaluminate	PS2.20
21	Siauciunas, Raimundas	Lithuania	Production of white textured paints by using phosphogypsum waste	PS2.21
22	Vasilauskiene, Kristina	Lithuania	Formation of katoite during hydrothermal synthesis in the mixtures with CaO/Al ₂ O ₃ molar ratio 2.8-3.2	PS2.22
23	Bogdal, Dariusz	Poland	Novel copolymers of carbazole, quinoline, and coumarin with Alq ₃ complexes	PS2.23
24	Dudek, Magdalena	Poland	The utilisation of biochar derived from waste corn cobs and coconut shells as fuels in solid oxide fuel cells involving perovskite oxides or composite cermets – a comparative study	PS2.24
25	Dudek, Magdalena	Poland	A direct carbon solid oxide fuel cell stack constructed in a tubular configuration design, construction and electrochemical performance	PS2.25
26	Dudek, Piotr	Poland	Thermal and mechanical properties of polymer powders for Selective Laser Sintering	PS2.26
27	Krol, Mariusz	Poland	Thermal behaviour of grain modified ultralight Mg-Li-Al alloys	PS2.27
28	Krol, Mariusz	Poland	Application of hybrid PVD/ALD method for deposition of bilayer TiN/ZnO coatings on 316L steel	PS2.28
29	Migas, Damian	Poland	Oxidation and corrosion resistance of Co-Al-W alloys doped with reactive elements	PS2.29
30	Rybinski, Przemyslaw	Poland	Influence of lignocellulose filler on flammability and optical smoke density of natural rubber composites. Toxicity gaseous products including PCDD/F and PAH created during thermal decomposition of NR composites	PS2.30

31	Rybinski, Przemyslaw	Poland	Fire protected doors. The role of inside filler in fire protection of door	PS2.31
32	Sitarz, Maciej	Poland	Bioactive black glasses from SiOCB system	PS2.32
33	Skroka, Marek	Poland	Analysis of the microstructure of a welded joint made of P91 steel after 3000 hours of ageing at 600 and 650 °C	PS2.33
34	Skroka, Marek	Poland	Microstructure and mechanical properties of Super 304H welded joint after 3000 hours of ageing at 700 and 750 °C	PS2.34
35	Vlase, Gabriela	Romania	Preliminary study of κ -carrageenan based membranes for antiinflammatory drug delivery	PS2.35
36	Vlase, Gabriela	Romania	Biopolymer membranes as drug release system for local anesthetics	PS2.36
37	Vlase, Titus	Romania	Pottery and clay: analysis of late Neolithic pottery and clay samples from the Ronaț-Triaj site (Timișoara, Timis County, Romania) using hyphenated techniques	PS2.37
38	Vlase, Titus	Romania	Methane-air accidental explosion in civil building – Case study	PS2.38
39	Harabor, Novac Adrian	Romania	Coherent laser irradiation of HID plasma: optical and electrical effects. Thermal analysis of tungsten electrode covered with emissive mixture	PS2.39
40	Harabor, Novac Adrian	Romania	Oxygen D2 diffusion in Ag ₂ O (0 and 5 wt.% Ag) doped YBCO-123 composite	PS2.40
41	Criveanu, Anca	Romania	Chitosan stabilized suspensions of iron oxide nanoparticles synthesized by laser pyrolysis - the optimization of oxygen flow ratio in reactive mixture	PS2.41
42	Marin, Laurentiu	Romania	Innovative process for obtaining space formations such as fullerenes and carbon nanotubes by pulsed electric discharges using pyrolytic graphite cathode	PS2.42

Poster Session 3.				
No	Name	Country	Abstract title	Code
1	Babic, Marko	Croatia	Comparison of two waste emulsions using thermal analysis	PS3.01
2	Basic, Anita	Croatia	Temperature effect on copper(II) ions sorption on zeolite NaX	PS3.02
3	Basic, Anita	Croatia	Comparison of potentiometric and refractometric methods for borax concentration measurement during batch cooling crystallization	PS3.03
4	Benjak, Paula	Croatia	Immobilization of titanium dioxide on rubber tiles made with secondary raw materials for passive air protection by solar photocatalysis	PS3.04
5	Jakic, Mice	Croatia	Impact of TiO ₂ particle size and content on the non-isothermal degradation mechanism of the poly(ϵ -caprolactone)	PS3.05
6	Kresic, Irena	Croatia	Preparation and characterization of PEO/PEG-POSS/LiBOB nanocomposite polymer electrolytes	PS3.06
7	Kukovec, Boris-Marko	Croatia	Cobalt(II) coordination polymers with the mixed ligands – halonicotinate and bispyridyl derivatives	PS3.07
8	Muzek, Mario Nikola	Croatia	Heavy metal`s sorption on a humus	PS3.08
9	Perinovic Jozic, Sanja	Croatia	Structural and thermal characterisation of PEO/LiAlg blends prepared by solution casting and extrusion	PS3.09
10	Tomic, Antonija	Croatia	Computational modelling an aid to understand binding and hydrolysis of neuropeptides in the active site of human DPP III	PS3.10
11	Tranfic Bakic, Marina	Croatia	Complexation of selected dyes by calix[4]arene phenantridine derivatives	PS3.11
12	Vrdoljak, Visnja	Croatia	Hybrid organic-inorganic compounds based on polyoxomolybdate and dioxomolybdenum(VI) complexes	PS3.12
13	Vrsalovic, Ladislav	Croatia	Corrosion behaviour of CuAlMn alloy in chloride and sulphate electrolytes	PS3.13
14	Vukojevic-Medvidovic, Nediljka	Croatia	Electrocoagulation treatment of compost leachate using the waste of aluminium alloy, steel and zinc anode	PS3.14
15	Matko, Igor	Slovakia	Thermoanalytical and microstructural characterization of particulate porous carbon materials	PS3.15
16	Trnik, Anton	Slovakia	The high-temperature crystallizations in illite/smectite – CaCO ₃ and illite/smectite – limestone mixtures	PS3.16
17	Srichen, Aradchaporn	Thailand	Corrosion Behaviour and Bonding Strength of Thermally Sprayed Nickel Alloy Coatings for Use as Bond and Top Coatings	PS3.17
18	Budiul, Mihaela	Romania	Thermoanalytical and spectroscopic studies on medicated jellies with perphenazine	PS3.18
19	Cernusca, Bianca	Romania	Thermal stability of sartan class drugs	PS3.19
20	Cernusca, Bianca	Romania	Layered divalent metal phosphonate - thermal stability studies	PS3.20
21	Frone, Adriana Nicoleta	Romania	Photo-oxidative degradation of styrene-methyl vinyl ketone copolymers investigated by Thermal Analysis and FTIR Spectroscopy	PS3.21
22	Frone, Adriana Nicoleta	Romania	Evaluation of natural photodegradability of polymer bio-composites based on PLA/PBAT blends with agricultural by-products	PS3.22

23	Ivan, Raluca	Romania	Hybrid Materials for Environmental Applications	PS3.23
24	Moldovan, Antoniu	Romania	Topography detection using electric forces in Kelvin Probe force microscopy	PS3.24
25	Moldovan, Antoniu	Romania	PLD grown ceria nanopyrramids for testing AFM tip morphology	PS3.25
26	Precupas, Aurica	Romania	Calorimetric, spectroscopic and computational investigation of two polyphenols influence on Bovine Serum Albumin thermal stability	PS3.26
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