

Tuesday, 27 th of August		Wednesday, 28 th of August				Thursday, 29 th of August				Friday, 30 st of August						
8 ³⁰ -13 ⁰⁰	<i>Short Summer School on TA&C</i>	9 ⁰⁰ -9 ⁴⁰	Janos Kristof, APL1				9 ⁰⁰ -9 ⁴⁰	Vahur Oja, APL2				9 ⁰⁰ -9 ⁴⁰	Kestutis Baltakys, APL3			
		9 ⁴⁰ -9 ⁵⁰	CEEC-TAC5 & Medicta2019				9 ⁴⁰ -10 ⁴⁰	Poster session 1				9 ⁴⁰ -9 ⁵⁰	CEEC-TAC6 / Medicta2021			
		9 ⁵⁰ -10 ³⁰	Workshop Materials									9 ⁵⁰ -10 ³⁰	Workshop KLTPM			
		10 ³⁰ -10 ⁵⁰	Coffee break									10 ³⁰ -10 ⁵⁰	Coffee break			
		10 ⁵⁰ -11 ²⁰	IL01	IL02	IL03	IL04	11 ⁰⁰ -11 ²⁰	OP1.14	OP2.14	OP3.14	OP4.14	10 ⁵⁰ -11 ²⁰	IL09	IL10	IL11	IL12
		11 ²⁰ -11 ⁴⁰	OP1.01	OP2.01	OP3.01	OP4.01	11 ²⁰ -11 ⁴⁰	OP1.15	OP2.15	OP3.15	OP4.15	11 ²⁰ -11 ⁴⁰	OP1.17	OP2.17	OP3.17	OP4.17
		11 ⁴⁰ -12 ⁰⁰	OP1.02	OP2.02	OP3.02	OP4.02	11 ⁴⁰ -12 ⁰⁰	OP1.16	OP2.16	OP3.16	OP4.16	11 ⁴⁰ -12 ⁰⁰	OP1.18	OP2.18	OP3.18	OP4.18
		12 ⁰⁰ -12 ²⁰	OP1.03	OP2.03	OP3.03	OP4.03	12 ⁰⁰ -13 ⁰⁰	Poster session 2				12 ⁰⁰ -12 ²⁰	OP1.19	OP2.19	OP3.19	OP4.19
		12 ²⁰ -12 ⁴⁰	OP1.04	OP2.04	OP3.04	OP4.04						12 ²⁰ -12 ⁴⁰	OP1.20	OP2.20	OP3.20	OP4.20
		12 ⁴⁰ -13 ⁰⁰	OP1.05	OP2.05	OP3.05	OP4.05						12 ⁴⁰ -13 ⁰⁰	OP1.21	OP2.21	OP3.21	OP4.21
13 ⁰⁰ -14 ³⁰	Lunch	13 ⁰⁰ -14 ³⁰	Lunch				13 ⁰⁰ -14 ³⁰	Lunch				13 ⁰⁰ -14 ³⁰	Lunch			
14 ³⁰ -16 ³⁰	<i>International Conference for Young Researchers and Students on TA&C</i>	14 ³⁰ -15 ¹⁰	Nobuyoshi Koga, PL3				14 ³⁰ -15 ³⁰	Poster session 3				14 ³⁰ -15 ¹⁰	Dimitrios N. Bikiaris, PL4			
		15 ¹⁰ -15 ²⁰	CEEC-TAC5 & Medicta2019									15 ¹⁰ -15 ²⁰	CEEC-TAC6 / Medicta2021			
16 ³⁰ -17 ³⁰	Afternoon break	15 ²⁰ -15 ⁵⁰	IL05	IL06	IL07	IL08	15 ³⁰ -20 ⁰⁰	Afternoon break				15 ²⁰ -15 ⁵⁰	IL13	IL14	IL15	IL16
13 ³⁰ -16 ³⁰	<i>Registration of participants at CEEC-TAC5 & Medicta2019</i>	15 ⁵⁰ -16 ¹⁰	OP1.06	OP2.06	OP3.06	OP4.06						15 ⁵⁰ -16 ¹⁰	OP1.22	OP2.22	OP3.22	OP4.22
		16 ¹⁰ -16 ³⁰	OP1.07	OP2.07	OP3.07	OP4.07						16 ¹⁰ -16 ³⁰	OP1.23	OP2.23	OP3.23	OP4.23
		16 ³⁰ -16 ⁵⁰	OP1.08	OP2.08	OP3.08	OP4.08						16 ³⁰ -16 ⁵⁰	Coffee break			
16 ³⁰ -17 ³⁰	Afternoon break	16 ⁵⁰ -17 ¹⁰	Coffee break									16 ⁵⁰ -17 ¹⁰	OP1.24	OP2.24	OP3.24	OP4.24
17 ³⁰ -18 ³⁰	Opening Ceremony	17 ¹⁰ -17 ³⁰	OP1.09	OP2.09	OP3.09	OP4.09						17 ¹⁰ -17 ³⁰	OP1.25	OP2.25	OP3.25	OP4.25
		17 ³⁰ -17 ⁵⁰	OP1.10	OP2.10	OP3.10	OP4.10						17 ³⁰ -17 ⁵⁰	OP1.26	OP2.26	OP3.26	OP4.26
18 ³⁰ -19 ⁰⁰	Crisan Popescu, PL1	17 ⁵⁰ -18 ¹⁰	OP1.11	OP2.11	OP3.11	OP4.11						17 ⁵⁰ -18 ¹⁰	OP1.27	OP2.27	OP3.27	OP4.27
		18 ¹⁰ -18 ³⁰	OP1.12	OP2.12	OP3.12	OP4.12										
19 ⁰⁰ -19 ³⁰	Henrik Rudolph, PL2	18 ³⁰ -18 ⁵⁰	OP1.13	OP2.13	OP3.13	OP4.13						18 ¹⁰	Closing Ceremony			
		18 ⁵⁰ -19 ¹⁰	Evening break													
19 ³⁰ -21 ³⁰	Welcome Cocktail	19 ¹⁰ -20 ²⁰	Medicta General Assemblies				20 ⁰⁰ -24 ⁰⁰	Conference Dinner								
		19 ¹⁰ -20 ²⁰	CEEC-TAC General Assembly													
Room A (Aula Magna)		Rectorate Palace of the Sapienza University of Rome (SUR), Piazzale Aldo Moro, No. 5, Roma														
Room B		Canteen at the Faculty of Economics of SUR, Via del Castro Laurenziano, No. 7, Roma														
Room C		Hotel Quirinale, Via Nazionale, No. 7, 00184 Roma														
Room D (MLAC)																
Coffee Break and Poster Session region at SUR																
Back side of the Rectorate Palace of SUR																
Canteen at the Faculty of Economics of SUR																
Hotel Quirinale																
Room A, B, C, D are inside of the Rectorate of SUR																
Rooms for various GAs are available at Department of Chemistry Building at SUR																

Program of CEEC-TAC5 & Medicta2019
27-30 August 2019
Roma, Italy

Plenary, Award Plenary, Invited & Technical Lectures				
No	Name	Country	Abstract title	Code
Plenary Lectures				
1	Popescu, Crisan	Germany	“Beauty” and the “Thermal Analysis”	PL1
2	Rudolph, Henrik	the Netherlands	Ethics in Scientific Publishing	PL2
3	Koga, Nobuyoshi	Japan	Kinetic approach to complex reactions in solid–gas systems: A continuous challenge	PL3
4	Bikiaris, Dimitrios N	Greece	Thermal characteristics and decomposition mechanism of furanoate polyesters, a new class of biobased polymers	PL4
Award Plenary Lectures				
1	Kristof, Janos	Hungary	Thermal analysis at surfaces and interfaces: studies on thin films and intercalation complexes	APL1
2	Oja, Vahur	Estonia	Application of thermal analysis to study vaporization parameters of narrow boiling range oil fractions	APL2
3	Baltakys, Kestutis	Lithuania	Eco-friendly calcium silicates: preparation techniques, thermal properties and application	APL3
Invited Lectures				
1	Zherikova, Kseniya	Russian Federation	In a search for advanced materials produced by MOCVD: thermodynamics, kinetics, functional properties, relationships	IL01
2	Mothe, Cheila G	Brazil	Characterization of anticorrosive bio coating in the plasma cure process by TG/DTG, DSC and AFM techniques	IL02
3	Kaljuvee, Tiit	Estonia	Application of thermal analysis techniques for studying the possibilities of utilization of oil shale ashes formed at electricity production in Estonia	IL03
4	Guigo, Nathanael	France	The (r)evolution of biobased polymers and sustainable materials by thermo-analytical means	IL04
5	Thomas, Paul S	Australia	Application of thermal methods to the characterisation of the states of water in precious opal	IL05
6	Elsabbagh, Ahmed	Egypt	Notes about the flow behaviour of cellulosic fiber thermoplastic composites	IL06
7	Ranogajec, Jonjaua	Serbia	Thermal behaviour of cement bypass dust revalorization	IL07
8	Marczak, Wojciech	Poland	Hydrogen-bonded complexes in binary mixtures of pyridine and its methyl derivatives with water	IL08
9	Verma, Ranjit K	India	DSC insights into thermooxidative phenomena: from ferrites to mustard oil	IL09
10	Saccone, Adriana	Italy	Thermal analysis techniques applied to rare earth alloys investigation	IL10
11	Chairpanich, Arnon	Thailand	Compressive strength and phase characterizations of Portland limestone calcined clay cements	IL11
12	Luca Motoc, Dana	Romania	UV-cured di/tri(methoxy) vinyl silane modified urethane acrylate blends for optical coatings: thermal and optical properties	IL12
13	Danilova-Tretiak, Svetlana	Belarus	Thermal and thermophysical analysis of SiC influence on different polymer matrices	IL13
14	Vykydalova, Anna	Slovakia	Study of the thermooxidative stability of aged beeswax using differential scanning calorimetry	IL14
15	Riposan, Iulian	Romania	Chill sensitiveness and thermal analysis parameters relationship in hypo-eutectic, Ca and Ca-La inoculated commercial grey irons	IL15
16	Taboada, Pablo	Spain	Modulation of nanoparticle activity and associated complex biological responses by the nanobiointerface	IL16

Oral Presentations 1. Theory & Methods, Kinetics & Catalysis, Fuels & Biofuels, Energetics and Applied Thermal Engineering				
No	Name	Country	Abstract title	Code
1	Sestak, Jaroslav	Czech Republic	Doubts on popular Kissinger's method of kinetic evaluation showing essential misfits such as the difference between the maximum of reaction rate and extreme of DTA peak	OP1.01
2	Shanelova, Jana	Czech Republic	Effect of delayed nucleation on crystallization kinetics of chalcogenide glasses	OP1.02
3	Zhang, Rui	Germany	Characterization of non-isothermal and isothermal vulcanization kinetics of natural rubber by fast scanning calorimetry	OP1.03
4	Stawski, Dawid	Poland	Thermal degradation of Poly(N,N-dimethylaminoethyl methacrylate). Kinetics and mechanism	OP1.04
5	Morawiec, Mateusz	Poland	Thermodynamic analysis and isothermal bainitic transformation kinetics in lean medium-Mn steels	OP1.05
6	Koniorczyk, Marcin	Poland	The kinetics of water freezing from inorganic salt solution confined in the mesopores	OP1.06
7	Kikuchi, Shin	Japan	Kinetic study of liquid sodium– calcium hydroxide reaction for safety assessment of sodium cooled fast reactor	OP1.07
8	Obradovic, Nina	Serbia	Influence of mechanical activation on kinetics and formation of spinel monitored by DTA	OP1.08
9	Simon, Peter	Slovakia	Temperature functions and induction periods	OP1.09
10	Budrugaec, Petru	Romania	Estimating errors in the determination of activation energy by nonlinear isoconversional methods applied for thermoanalytical measurements	OP1.10
11	Arii, Tadashi	Japan	<i>In-situ</i> visual observation thermal analysis: STA and DSC equipped with optical microscope	OP1.11
12	Dalla Palma, Mauro	Italy	Thermal analysis of the RFX-mod2 operating conditions for the design of the temperature measurement system	OP1.12
13	Makowski, Wacław	Poland	Quasi-equilibrated thermodesorption as a new method for studying adsorption of water in porous coordination polymers	OP1.13
14	Farjas, Jordi	Spain	Use of Thermal Analysis to predict the conditions for thermal explosion to occur: application to a Ce triethanolamine complex	OP1.14
15	Monnier, Xavier	Spain	Decoupling between vitrification kinetics and molecular mobility in micrometric poly(4- <i>tert</i> -butylstyrene) (P <i>t</i> BS) by fast scanning calorimetry	OP1.15
16	Katoh, Katsumi	Japan	Fundamental study on thermal decomposition and hazard evaluation of periodate/fuel mixtures	OP1.16
17	Matsunaga, Hiroki	Japan	Influence of copper compounds on thermal behaviour of ammonium dinitramide-based energetic ionic liquid	OP1.17
18	Izato, Yu-ichiro	Japan	Thermal decomposition mechanism of ammonium nitrate based on thermal analysis and computational chemistry	OP1.18
19	Maaten, Birgit	Estonia	Energy industry waste as a thermochemical energy storage resource	OP1.19
20	Varfolomeev, Mikhail	Russian Federation	Efficient Promoter for Methane Storage in Hydrate Form based on Ethylene Diamine: Thermochemistry and Kinetics Study	OP1.20
21	Stoporev, Andrey	Russian Federation	Multistage process of gas hydrate growth in various media	OP1.21
22	Erzunov, Dmitry	Russian Federation	Synthesis and catalytic activity of cyanophenoxy- substituted phthalocyaninates of <i>d</i> - and <i>f</i> - metals	OP1.22
23	Vashurin, Arthur	Russian Federation	Hybrid material based on phthalocyanines compounds immobilized on silica matrix. Catalytic activity and thermal stability	OP1.23
24	Zelenak, Vladimir	Slovakia	Use of methods of thermal analysis in study of metal-organic frameworks	OP1.24
25	Kok, Mustafa Versan	Turkey	Characterization and kinetics of coal combustion: Effect of particle size	OP1.25
26	Ferrari, Carlo	Italy	Microwave assisted advanced oxidation process: kinetic analysis, temperature effect and activation energy	OP1.26
27	Mero, Angelica	Italy	Thermoanalytical characterization and microwave heating response of deep eutectic solvents	OP1.27

Oral Presentations 2. Thermodynamics, Thermochemistry & Calorimetry and Thin Films & Nanomaterials

No	Name	Country	Abstract title	Code
1	Liu, Zhen	Belgium	Homocoupling defects of a small donor molecule by rapid heat-cool differential scanning calorimetry	OP2.01
2	Bruni, Giovanna	Italy	DSC applied to the study of an "impossible" system: probenecid-benzamide	OP2.02
3	Sgarlata, Carmelo	Italy	Role of the central metal ion in the formation of anion-templated Ln ^{III} [15-metallacrown-5] ³⁺ complexes in aqueous solution	OP2.03
4	Dennenwaldt, Teresa	Switzerland	Determination of the short time stability of polymers by fast scanning calorimetry	OP2.04
5	Van Assche, Guy	Belgium	Characterization of thermoreversible covalent networks for additive manufacturing	OP2.05
6	Beurroies, Isabelle	France	Calorimetry: a complementary method to study the mechanical energy conversion properties of nanoporous materials	OP2.06
7	Marx, Hans-W	Germany	Miniaturized differential scanning calorimeter with integrated oven and reference (Chip-DSC)	OP2.07
8	Szilagyi, Imre Miklos	Hungary	Thermal properties of photocatalytic and gas sensing carbon nanostructures and nanocomposites	OP2.08
9	Mihaila, Andreea	Romania	Studies on the influence of environmental factors and composition on the thermal stability of paint coat deposited on pinewood	OP2.09
10	Sbirrazzuoli, Nicolas	France	Properties of poly(ethylene 2,5-furandicarboxylate) and its nanocomposites	OP2.10
11	Abdelaziz, Amir	Germany	Determination of the sublimation vapour pressure of thermally labile compounds with fast scanning calorimetry	OP2.11
12	Sanida, Aikaterini	Greece	Development and characterization of multifunctional YIG/epoxy nanocomposites	OP2.12
13	Tarani, Evangelia	Greece	Thermally-stimulated phenomena observed in isotactic polypropylene and high-density polyethylene matrices reinforced with graphene nanoplatelets and glass fibres	OP2.13
14	Marzec, Anna	Poland	New organic-inorganic pigments as colorants for polymer composites	OP2.14
15	Verhelle, Robrecht	Belgium	Modelling polyurethane reactions by combining differential scanning calorimetry and micro-calorimetry	OP2.15
16	Menyhard, Alfred	Hungary	Simulation of crystalline morphology from calorimetric crystallization curves	OP2.16
17	Gavrichev, Konstantin	Russian Federation	Calorimetric and X-ray studies of RE tantalates and hafnates	OP2.17
18	Markin, Alexey	Russian Federation	Thermodynamics of bistable metal complexes	OP2.18
19	Nagrimanov, Ruslan	Russian Federation	Solvation enthalpy and how it can be useful	OP2.19
20	Perlovich, German	Russian Federation	Prediction of sublimation functions of molecular crystals based on melting points	OP2.20
21	Sologubov, Semen	Russian Federation	Chemical thermodynamics of carbosilane dendrimers and siloxane nanogels as promising macromolecular nano-objects	OP2.21
22	Tsvetkov, Dmitry	Russian Federation	Thermodynamics of formation of hybrid organic-inorganic perovskite-type halides	OP2.22
23	Rasi, Silvia	Spain	Decomposition of metal-organic compounds: films versus powder	OP2.23
24	Siler, Pavel	Czech Republic	Application of isothermal and isoperibolic calorimetry to assess the effect of zinc on hydration of cement blended with fly ash	OP2.24
25	Hotova, Gabriela	Czech Republic	Characterization of nitrogen groups on carbon surface by TG-MS	OP2.25
26	Pizzimenti, Silvia	Italy	The DSC monitoring of oil melting to follow the oil curing	OP2.26
27	Saitta, Francesca	Italy	ISG-like membrane thermodynamics: a stepwise calorimetric investigation	OP2.27

Oral Presentations 3. Materials: Functional Materials, Ceramics, Metals & Alloys, Cements, Glasses and Composites

No	Name	Country	Abstract title	Code
1	Ognibene, Giulia	Italy	The use of thermo-mechanical technique to support the development of novel materials for additive manufacturing	OP3.01
2	Paglia, Laura	Italy	Thermochemical characterization of polybenzimidazole with and without nano-ZrO ₂ for ablative material application	OP3.02
3	Ion, Rodica Mariana	Romania	Thermal and multi-analytical investigations of the towers from Corvins' Castle, Hunedoara, Romania	OP3.03
4	Leone, Gemma	Italy	Thermal and spectroscopic characterization of original and modern restoration mortars at Herculaneum archaeological site	OP3.04
5	Perez-Maqueda, Luis A	Spain	Multiferroic ceramic materials prepared by flash sintering methods	OP3.05
6	Cardinale, Anna Maria	Italy	New materials for environmental remediation: synthesis and characterization of LDH's REE-doped (REE= Rare Earths Element) for lanthanides recovery from waste	OP3.06
7	Ceccato, Riccardo	Italy	Synthesis and crystallization pattern of lead-free perovskites by sol-gel and hydrothermal routes	OP3.07
8	Tine, Maria Rosaria	Italy	Thermal behaviour and microstructural characterization of natural clayey materials, sands, volcanic ashes and geopolymer composites	OP3.08
9	Ilatovskaia, Mariia	Germany	Phase relations in the Al ₂ O ₃ -TiO ₂ -SiO ₂ system	OP3.09
10	Mandic, Vilko	Croatia	Development of phases in the sol-gel derived mixed-metal-oxide (Al ₂ O ₃ -TiO ₂ -ZnO) functional sorbent material	OP3.10
11	Zvereva, Irina	Russian Federation	Impact of thermal analysis in the study of composite photocatalysts with layered type of structure	OP3.11
12	Silyukov, Oleg	Russian Federation	Thermolysis of organic-inorganic perovskite-type layered titanates	OP3.12
13	Dippong, Thomas	Romania	Investigation of structural, optical and magnetic properties of Ni _x Zn _{1-x} Fe ₂ O ₄ (0≤x≤1) spinel based nanopigments	OP3.13
14	Mezzetta, Andrea	Italy	Spotting the difference of the thermal behaviour of structurally-related mono- and dicationic ionic liquids	OP3.14
15	Chidiac, Samir	Canada	GUL cement degree of hydration of mortars with & without SCMs	OP3.15
16	Svec, Jiri	Czech Republic	Simultaneous thermogravimetric and differential thermal analysis determination of products formed during hydration of blended Portland cement doped with zinc	OP3.16
17	Catauro, Michelina	Italy	Thermal and biological properties of several composite materials prepared by sol-gel method	OP3.17
18	Dweck, Jo	Brazil	Early hydration stages of iron ore and high initial strength Portland cement composites: a study by non-conventional DSC and calorimetry	OP3.18
19	Miller, Karla Peitl	Brazil	Early hydration stages of iron ore tailings and high initial strength Portland cement composites: a study by thermogravimetry	OP3.19
20	Matula, Grzegorz	Poland	Thermal debinding of multicomponent binder used for powder injection moulding of Al ₂ O ₃ powder	OP3.20
21	Zovko Brodarac, Zdenka	Croatia	Effect of cooling rate on characteristic temperatures and microstructure development of AlSi ₉ MgMn alloy	OP3.21
22	Kozłowska, Aleksandra	Poland	Thermal stability of retained austenite in isothermally held 0.18C-4Mn-1.7Al bainitic steel	OP3.22
23	Kozina, Franjo	Croatia	Thermodynamic consideration of Al-2,2Mg-2,1Li alloy behaviour	OP3.23
24	Voncina, Maja	Slovenia	Effects of homogenization conditions on the microstructure evolution of aluminium alloy from series 8XXX	OP3.24
25	Migas, Damian	Poland	Crystallization behaviour of Co-9Al-9W superalloy	OP3.25
26	Balasko, Tilen	Slovenia	Effect of Ni on solidification of duplex low-density steels	OP3.26
27	Arbeiter, Joze	Slovenia	Evolution of Fe based intermetallic phases during homogenisation of Al-Fe hypoeutectic alloy	OP3.27

Oral Presentations 4. Polymers, Bio(macro)molecules & Biocomposites, Life science and Organic & Functional complex compounds				
No	Name	Country	Abstract title	Code
1	Kucerik, Jiri	Czech Republic	Use of thermogravimetry for qualitative and quantitative analysis of microplastics in soils	OP4.01
2	Fricke, Christian	Germany	On the trail of heat - Isothermal microcalorimetry as a real-time monitor for bacterial contamination	OP4.02
3	Maskow, Thomas	Germany	Peculiarities of the calorimetric monitoring and thermokinetic analysis for anaerobic, microbial growth and product formation – from laboratory to technical scale	OP4.03
4	Lorinczy, Denes	Hungary	Cyclophosphamide treatment evoked side effects on skeletal muscle monitored by DSC	OP4.04
5	Binek, Mariusz	Poland	Comparison of effects of sauna and cryotherapy treatments on body temperature mapping in elite athletes	OP4.05
6	Duch, Klaudia	Poland	Modification of blood serum DSC profiles by sauna treatments in cross country skiers during the exercise cycle	OP4.06
7	Vogel, Kristina	Germany	Calorimetric investigation of an equilibrium reaction of glycolysis for the determination of cell mimicking kinetic and thermodynamic parameters	OP4.07
8	Sowinska, Anna	Poland	Applications of thermal analysis for testing elastomeric composites	OP4.08
9	Fuglein, Ekkehrd	Germany	Analysis of polymers and polymer mixtures using differential scanning calorimetry and advanced software	OP4.09
10	Semiono, David Peter	Japan	Evaluation for degradation of polymer materials using sample observation TG-DSC system	OP4.10
11	Antonijevic, Milan	United Kingdom	New insights into the polymorphic changes of Metoprolol Succinate	OP4.11
12	Horvath, Flora	Hungary	Nucleating agents with dual nucleating ability in isotactic polypropylene	OP4.12
13	Olejniak, Olga	Poland	Thermal analysis of aliphatic polyesters stabilized by polyphenols	OP4.13
14	Varganici, Cristian Dragos	Romania	Wood biocomposites with different epoxy systems. Thermal behaviour	OP4.14
15	Mukhametzyanov, Timur	Russian Federation	Unfolding and refolding of lysozyme dissolved in glycerol by Fast Scanning Calorimetry	OP4.15
16	Skvorcinskiene, Raminta	Lithuania	Thermogravimetric and evolved gas analysis of polymer materials designed for 3D printing	OP4.16
17	Mamylov, Sergey	Russian Federation	Thermal analysis of components of mechanochemical interaction of quercetin and glucose	OP4.17
18	Magsumov, Timur	Russian Federation	Thermal stability of hen egg-white lysozyme in aqueous-organic mixtures	OP4.18
19	Dolatowska-Zebrowska, Karolina	Poland	Characterization of thermal properties of fat extracted from ruby chocolate by using DSC, PDSC and TGA methods	OP4.19
20	Baptista, Joao A	Portugal	On the investigation of co-crystals of 2,4-diaminopyrimidine based dihydrofolate reductase inhibitors	OP4.20
21	Cibulkova, Zuzana	Slovakia	Evaluation of stabilizing effect of potential antioxidants in polymers by DSC	OP4.21
22	Cangialosi, Daniele	Spain	Glassy dynamics of polymer and other materials by fast scanning calorimetry	OP4.22
23	Moradi, Sasan	Spain	The effect of pressure during cure on the thermal conductivity of epoxy composites filled with boron nitride	OP4.23
24	Usacheva, Tatyana	Russian Federation	Calorimetric study of host-guest complex formations of crown ethers and cyclodextrins with biologically important molecules	OP4.24
25	Kourtidou, Dimitra	Greece	Synthesis and characterization of crosslinked polyethylene/graphite composite for geothermal heating/cooling pipe applications	OP4.25
26	Amato, Jussara	Italy	Investigating noncanonical DNA structures by calorimetry and spectroscopic techniques	OP4.26
27	Di Lisio, Valerio	Italy	Insights in thermal transitions of polymers by Modulated Temperature FTIR	OP4.27

Poster Session 1.				
No	Name	Country	Abstract title	Code
1	Tafat-Igoudjilene, Ouahiba	Algeria	Thermodynamic properties of binary mixtures of cyclohexanone + polychloroalkane	PS1.001
2	Tafat-Igoudjilene, Ouahiba	Algeria	Aromatic hydrocabons liquid-liquid Extraction	PS1.002
3	Thomas, Paul	Australia	Aggregate reactivity to the alkali-silica reaction (ASR) in ground aggregate-cement pastes	PS1.003
4	Schmid, Michael	Austria	Influence of curing temperature on nanometer pore size distribution of hardened cement paste by low-temperature differential scanning calorimetry	PS1.004
5	Danilova, Daria	Belarus	Graft copolymers of chitosan with caprolactone: synthesis and thermal analysis	PS1.005
6	Nikolaeva, Kristina	Belarus	Thermal analysis of shungite containing PA- and LDPE-based composites	PS1.006
7	Rubanik Jr., Vasili	Belarus	Phase transitions in Ti-Ni after ultrasonic treatment	PS1.007
8	Colman, Tiago	Brazil	Study of the thermal behaviour of the aceclofenac complexes of praseodymium and neodymium	PS1.008
9	Dweck, Jo	Brazil	Obtaining Specific Heats of Cementitious and Construction Materials by Modulated DSC	PS1.009
10	Leonardo, Rosangela	Brazil	Influence of temperature on the content of degradation products of a soybean biodiesel oxidation	PS1.010
11	Leonardo, Rosangela	Brazil	TG/DTG study of the effect of lime and fly ash slurry milling on Portland cement V type hydration	PS1.011
12	Miller, Karla Peitl	Brazil	Qualitative and quantitative characterization of Brazilian iron ore tailings by thermal analysis	PS1.012
13	Montedo, Oscar Rubem K	Brazil	Densified alumina obtained by two-step sintering: Effect of the microstructure on the mechanical properties	PS1.013
14	Montedo, Oscar Rubem K	Brazil	Study of C3S phase evolution by DSC for the development of an endodontic tricalcium silicate	PS1.014
15	Guncheva, Maya	Bulgaria	Rosmarinic acid conjugated hemocyanins: synthesis and stability	PS1.015
16	Guncheva, Maya	Bulgaria	Effect of ketoprofen-based ILs on secondary structure and thermal stability of human serum albumin	PS1.016
17	Petkova, Vilma	Bulgaria	Effect of sulphur-acid pre-treatment on the thermal properties of mixtures of ash from the biomass and chicken litter	PS1.017
18	Petkova, Vilma	Bulgaria	Effect of high-energy dry milling in the structural and thermal properties of biphasic ceramic	PS1.018
19	Todinova, Svetla	Bulgaria	Thermodynamic characteristics of red blood cells derived from women with miscarriage. The aging effect	PS1.019
20	Todinova, Svetla	Bulgaria	Thermal Stability Study of Hemocyanins	PS1.020
21	Chidiac, Samir	Canada	Hydration of mortar with EPS foam using Calorimetry & TGA	PS1.021
22	Kikuchi, Shin	Japan	Kinetic deconvolution analysis applied to liquid sodium-calcium carbonate reaction	PS1.022
23	Faraguna, Fabio	Croatia	Thermal properties of some locally produced edible oils	PS1.023
24	Govorcin Bajsic, Emi	Croatia	Study on the properties of electrospun polycaprolactone /silk fibroin scaffolds	PS1.024
25	Jacic, Mice	Croatia	Thermokinetic study of magnesium hydroxide obtained from seawater	PS1.025
26	Mandic, Vilko	Croatia	The role of amino acids (G, A, N) in the wet chemistry synthesis and thermal development of gamma alumina with specific morphology	PS1.026
27	Munda, Ivana Katarina	Croatia	Hydrothermally-derived ceria doped with manganese in various amounts	PS1.027
28	Perinovic Jozic, Sanja	Croatia	Thermal properties of polylactic acid/modified magnesium hydroxide composites	PS1.028
29	Stipanelov Vrandecic, Natasa	Croatia	DSC and SEM analysis of Poly(ethylene oxide)/Polyhedral oligomeric silsesquioxanes (POSS) nanocomposites	PS1.029
30	Kodetova, Veronika	Czech Republic	Phase transformations in commercial hot deformed Al-Zn-Mg-Cu(-Sc-Zr) alloys	PS1.030
31	Komarkova, Bara	Czech Republic	The effect of organic bases on thermal degradation of peroxo-titanates	PS1.031
32	Kral, Robert	Czech Republic	Non-stoichiometry in Cs ₂ HfCl ₆ material and study of its influence on the CsCl-HfCl ₄ phase diagram using DSC-TG analysis	PS1.032
33	Kryeziu, Arjeta	Czech Republic	Optimization of carbon yield from biomass pyrolysis based on kinetic analysis	PS1.033
34	Kubatova, Dana	Czech Republic	Formation of belite-based binder from waste materials	PS1.034
35	Mathers, Alex	Czech Republic	Evaluating the impact of polymer chain length on API solubility using DSC-based methods	PS1.035
36	Motlochov, Monika	Czech Republic	Lithium, Sodium and Potassium Metatitanates and their Application as Heavy Metal Adsorbents	PS1.036
37	Valdes, Diego	Czech Republic	Crystal growth in Se ₉₅ Te ₅ bulk samples and thin films	PS1.037

38	Stulova, Irina	Estonia	Fermentation of non-dairy milks by commercial starter cultures: microcalorimetric approach	PS1.038
39	Viiard, Ene	Estonia	Isothermal microcalorimetry as an innovative <i>in vitro</i> approach for assessing the effect of food fibres on human gut microbiome	PS1.039
40	Ivanov, Dimitri	France	Monitoring Crystallization and Melting with Millisecond Time Resolution: In-situ Combination of Micro-Focus X-ray Scattering and Ultra-Fast Scanning Chip Calorimetry	PS1.040
41	Donath, Ines	Germany	High-Throughput screening of PCM with IR-Thermography	PS1.041
42	Donath, Tom	Germany	Thermodynamic assessment of crystal growth in the system Gd-Te	PS1.042
43	Ilatovskaia, Mariia	Germany	Phase relations in the Fe-Cu-As system	PS1.043
44	Marx, Hans-W	Germany	Thermal analysis of materials showing thermochromism (Chip-DSC)	PS1.044
45	Marx, Hans-W	Germany	Thermal analysis of cholesterol by a Peltier-cooled DSC instrument	PS1.045
46	Maskow, Thomas	Germany	A novel method for global access to photosynthetic energy conversion efficiency based on calorespirometry	PS1.046
47	Semiono, David Peter	Japan	Evaluation for melting behaviour of polymer materials using sample observation DSC System	PS1.047
48	Vogel, Kristina	Germany	Influence of cell mimicking conditions on the results of a thermodynamic feasibility analysis	PS1.048
49	Achiliadis, Dimitris	Greece	Isothermal and non-isothermal copolymerization kinetics of hydrogels based on OEGMEMA or OEGMA and AAc	PS1.049
50	Achiliadis, Dimitris	Greece	Waste plastic packaging recycling: Pyrolysis of polymer blends	PS1.050
51	Angelopoulos, Panagiotis	Greece	Preparation of expanded microspheres from hydrous rhyolitic glass	PS1.051
52	Angelopoulos, Panagiotis	Greece	Thermal activation of bentonite and zeolite; kinetic analysis and characterization	PS1.052
53	Chrissafis, Konstantinos	Greece	Structural and Thermal study of a bio-based unsaturated polyester resin: Two-step vs one-step polymerization procedures	PS1.053
54	Chrissafis, Konstantinos	Greece	Production technology and compositional analysis of archaeological ceramics by combination of TG/DTG-DTA and other analytical techniques	PS1.054
55	Chrysafi, Iouliana	Greece	Mechanical and thermal properties of polymethyl-methacrylate resins reinforced with calcium β -pyrophosphate	PS1.055
56	Chrysafi, Iouliana	Greece	Thermal and Morphological characterization of phenol formaldehyde adhesive reinforced with textile waste and wood	PS1.056
57	Kourtidou, Dimitra	Greece	Thermal and microscopic studies of a 17 th century gilded wood-curved iconostasis from Greece	PS1.057
58	Pavlidou, Eleni	Greece	Unsaturated Polyester Resins: The effect of different types of initiators on cross-linking process and thermal stability	PS1.058
59	Pavlidou, Eleni	Greece	Linear low density polyethylene/maleic anhydride grafted polyethylene/microcrystalline cellulose composites: Structural, thermal and mechanical properties	PS1.059
60	Sanida, Aikaterini	Greece	Development and thermomechanical characterization of carbides / epoxy, or graphite/epoxy composites: A comparative study	PS1.060
61	Stavropoulos, Sotirios G	Greece	Hybrid nanodiamond/ magnetite/ polymer nanodielectrics: Development, dielectric response, thermomechanical properties and energy storage	PS1.061
62	Stavropoulos, Sotirios G	Greece	Assessing the effect of Fe ₃ O ₄ nanoparticles on the thermomechanical performance of different forms of carbon allotropes/epoxy hybrid nanocomposites	PS1.062
63	Tarani, Evangelia	Greece	Study of thermal stability, thermal conductivity, and mechanical properties of crosslinked polyethylene/graphene nanocomposite	PS1.063
64	Terzopoulou, Zoi	Greece	Thermal and mechanical properties of poly(butylene 2,5-furan dicarboxylate) nanocomposites	PS1.064
65	Vourlias, George	Greece	High-temperature oxidation resistance of higher manganese silicide-based materials	PS1.065
66	Vourlias, George	Greece	Thermogravimetric evaluation of Cr-Ni coatings deposited by electrodeposition and pack cementation	PS1.066
67	Horvath, Erzsebet	Hungary	The role of thermal analysis in the development of iron-containing nano-kaolinite photocatalysts	PS1.067
68	Barrino, Federico	Italy	Evaluation of the thermal behavior and mechanical properties of geopolymers containing different percentages of fly ash	PS1.068
69	Bertolino, Vanessa Rita	Italy	Biopolymer/HNTs nanocomposites with smart features	PS1.069
70	Biondi, Marco	Italy	Spectroscopic and thermoanalytic studies on the complex formation between curcumin and hydroxypropyl- β -cyclodextrin	PS1.070
71	Biondi, Marco	Italy	Liposomes for cutaneous delivery of curcumin: production, characterization and thermal analyses	PS1.071
72	Blanco, Ignazio	Italy	Thermal behaviour of phenyl-substituted dumbbell-shaped POSSs/PS nanocomposites	PS1.072
73	Castagnotto, Elena	Italy	Chemical and textural fingerprint of natural stones for the use of construction and restoration stakeholders (CatSTONE project)	PS1.073
74	Castagnotto, Elena	Italy	Thermal stability of luminescent lead-free double perovskite A ₂ B(I)B(III)X ₆	PS1.074
75	Ciccioli, Andrea	Italy	Thermal decomposition of tetramethylammonium iodide and tetramethylammonium lead iodide perovskite: A kinetic and thermodynamic study	PS1.075
76	Cimini, Adriano	Italy	Decomposition temperatures and vapour pressures of ionic liquids for electrochemical applications	PS1.076

77	Curulli, Antonella	Italy	The case study of the Medieval Town Wall of Gubbio in Italy: characterization of mortars using XRD, TG-DTA, PLM and SEM	PS1.077
78	Dalla Palma, Mauro	Italy	Modelling of fast response surface thermocouples for fusion plasma facing components	PS1.078
79	Dell'Era, Alessandro	Italy	Preliminary electrochemical study of carbon powder material obtained by high pressure water jet recycling process of tires and used as cathode in Lithium-Air batteries	PS1.079
80	Dire, Sandra	Italy	Photo-induced oxygen scavenging in rubber nanocomposites with titania particles and silsesquioxane molecular fillers	PS1.080
81	Franco, Silvia	Italy	Phase behaviour and rheology of multi-responsive soft microgels	PS1.081
82	Lazzara, Giuseppe	Italy	Layered composite based on halloysite and biopolymers: a carrier for controlled release	PS1.082
83	Lega, Daniela	Italy	Characterization of aging of HDPE piping using DSC, DTA, DTA-TG techniques	PS1.083
84	Lega, Daniela	Italy	A DSC study on the heating phase transformations in the ASTM A213 T91 steel	PS1.084
85	Leone, Gemma	Italy	Poly vinyl alcohol (PVA) hydrogels: the effect of crosslinking density and molecular weight on water interaction estimated by thermal analysis (TGA-DSC)	PS1.085
86	Leonelli, Cristina	Italy	Thermomechanical behaviour of "ghiara", a paleo-soil from Mount Etna, Italy	PS1.086
87	Melchior, Andrea	Italy	Adsorption of platinum compounds for water treatment applications	PS1.087
88	Mele, Maria Luisa	Italy	Characterization of 18650 Li-ion cell components before and after thermal abuse tests	PS1.088
89	Mele, Maria Luisa	Italy	Characterization of Cellulases Produced by <i>Trichoderma longibrachiatum</i> DIBAF-10 using Differential Scanning Calorimetry	PS1.089
90	Milioto, Stefana	Italy	Thermal analysis as a tool for material characterization in conservation of wooden artefacts	PS1.090
91	Paciulli, Maria	Italy	Thermal characterization of micro encapsulated polyphenols extracted from olive leaves	PS1.091
92	Parisi, Filippo	Italy	Thermal degradation of a Fe ²⁺ Cr ₂ O ₄ synthetic spinel	PS1.092
93	Petraccone, Luigi	Italy	The interaction between the antimicrobial peptide Lasioglossin III and model membranes	PS1.093
94	Porcedda, Silvia	Italy	Thermodynamic properties of mixtures an ionic liquid + an organic compound	PS1.094
95	Porcedda, Silvia	Italy	Thermodynamic properties of binary mixtures containing alkanols	PS1.095
96	Stasi, Enrica	Italy	Biodegradable compression moulded thermoplastic carbon based ashes/maize starch films for agricultural applications	PS1.096
97	Tomassetti, Mauro	Italy	Comparison of all TG, DTG and DTA data files to evaluate, using chemometric methods, the different ages of fossil bones from two old cemetery sites	PS1.097
98	Tombari, Elpidio	Italy	Dynamical study of a model protein-polymer conjugate by differential scanning calorimetry	PS1.098
99	Tosto, Claudio	Italy	Thermomechanical properties of mandrels manufactured by 3D printing for the production of hollow FRP parts	PS1.099
100	Tuffi, Riccardo	Italy	Pyrolytic valorization of the plastic residue of a WEEE treatment plant	PS1.100
101	Arii, Tadashi	Japan	Evaluation of VOCs adsorption/desorption on carbonized wood biomass by simultaneous hyphenated techniques of TG-MS and TG-FTIR	PS1.101
102	Fujita, Michiya	Japan	Kinetic analysis of spontaneous thermal polymerization of polymerizing substances	PS1.102
103	Higashi, Eiko	Japan	Thermal behaviour and burning properties of ammonium nitrate/ammonium perchlorate-based solid propellant for combustion control by N ₂ O supply	PS1.103
104	Dennenwaldt, Teresa	Switzerland	Innovations in thermal analysis – the new Flash DSC 2+	PS1.104
105	Erceg, Matko	Croatia	Non-isothermal decomposition kinetics of poly(ethylene oxide)/polyhedral oligomeric silsesquioxanes (PEO/POSS) nanocomposites	PS1.105
106	Rotaru, Andrei	Romania	Thermal behaviour of GaSb system doped with Fe, Mn, Cd, Gd	PS1.106

Poster Session 2.				
No	Name	Country	Abstract title	Code
1	Muraoka, Masaaki	Japan	Thermal characterization of gelation for aqueous methyl cellulose solutions containing polyethylene glycol and salt	PS2.001
2	Sato, Yoshihiko	Japan	Reactivity hazard evaluation of metal thin film - nitric acid system to prevent explosion incidents in metal stripping processes	PS2.002
3	Bissengaliyeva, Mira	Kazakhstan	The heat capacity and magnetic properties of bala ₂ wo ₇ samples doped with samarium	PS2.003
4	Dambrauskas, Tadas	Lithuania	Texture properties and thermal stability of compounds formed in CaO-SiO ₂ -Cu(NO ₃) ₂ /Co(NO ₃) ₂ /Cr(NO ₃) ₃ -H ₂ O system	PS2.004
5	Dambrauskas, Tadas	Lithuania	The thermal stability of dibasic calcium silicates hydrates substituted with Cr ³⁺ and Al ³⁺ ions	PS2.005
6	Diktanaite, Austeja	Lithuania	Sol-gel synthesis and thermoanalytical study of xbi ₂ o ₃ ·V ₂ O ₅ ceramics	PS2.006
7	Diktanaite, Austeja	Lithuania	Aqueous sol-gel synthesis, structural and thermoanalytical study of a lithium lanthanum titanate (Li _{3x} La _{2/3-x} tio ₃ , LLTO) solid electrolyte	PS2.007
8	Eisinas, Anatolijus	Lithuania	The effect of mayenite structure properties on Cu ²⁺ ion adsorption	PS2.008
9	Gaidamaviciene, Giedre	Lithuania	Synthesis, structural and thermoanalytical study of Ca _{1-x} sr _x moo ₄ ceramic	PS2.009
10	Gaidamaviciene, Giedre	Lithuania	Aqueous sol-gel synthesis and thermoanalytical study of alkaline earth metals doped La ₂ Mo ₂ O ₉ oxide-ion conductor	PS2.010
11	Lukosiute, Irena	Lithuania	Porous montmorillonite heterostructure: synthesis, structural and thermal characterization	PS2.011
12	Siauciuonas, Raimudas	Lithuania	Accelerated carbonation of C ₂ SH based dense concrete	PS2.012
13	Siauciuonas, Raimudas	Lithuania	Influence of buckwheat hulls on the sintering of porous ceramics	PS2.013
14	Chisca, Diana	Moldova	Synthesis, Characterization and Thermal Studies of new Zn(II) monomer based on 4,4'-diaminodiphenylmethane	PS2.014
15	Cuzan-Munteanu, Olese	Moldova	Thermal analysis study of trinuclear homo- and heteroatomic iron clusters	PS2.015
16	Gorinchoy, Viorina	Moldova	The action of Fe ₂ O ₃ , Fe ₂ ZnO ₄ and Fe ₂ CuO ₄ nanoparticles on micromycetes	PS2.016
17	Lozovan, Vasile	Moldova	Thermal analysis of Cd(II) coordination polymers assembled from bridging sulfate anions and N,N'-donor Schiff base ligands	PS2.017
18	Petuhov, Oleg	Moldova	Thermal behaviour of ozone treated activated carbons	PS2.018
19	Petuhov, Oleg	Moldova	Hydrophilization of the pyrolysis residue of tires to obtain water-miscible pigments	PS2.019
20	Olar, Rodica	Romania	Physical-chemical and biological properties survey for Cu(II) complexes with nitrogen-donor heterocyclic ligands	PS2.020
21	Terenti, Natalia	Moldova	Thermal analysis of new copper(II) dithiocarbomethoxyhydrazone complexes	PS2.021
22	Ureche, Dumitru	Moldova	A novel cooper(II) 2D coordination polymer and its thermal decomposition	PS2.022
23	Vitiu, Aliona	Moldova	A novel Co(II) porous coordination layer: synthesis, structure and thermal analysis	PS2.023
24	Checmanowski, Jacek	Poland	Protective properties of Al ₂ O ₃ scale growing on the fecral alloy covered with a thin layer of Y ₂ O ₃ during cyclic oxidation in the air	PS2.024
25	Chojnacka, Ida	Poland	Disorder in solid AgCl and AgBr	PS2.025
26	Duch, Klaudia	Poland	Modification of blood serum DSC profiles by sauna treatments in cross country skiers during the exercise cycle	PS2.026
27	Dudek, Magdalena	Poland	The influence of high-temperature treatment of granular activated carbon on its behaviour in direct carbon solid oxide fuel cell	PS2.027
28	Dudek, Magdalena	Poland	Design of thermal and mechanical properties of materials for selective laser sintering technology based on results obtained via the DTA/DSC-TG method	PS2.028
29	Dynarowicz-Latka, Patrycja	Poland	Heat capacity studies of triblock semifluorinated alkanes	PS2.029
30	Grzelczyk, Joanna	Poland	Evaluation of osteoclastogenesis inhibition by binding srnkl with fermented and unfermented chickpea sprouts extracts using isothermal titration calorimetry (ITC)	PS2.030
31	Grzelczyk, Joanna	Poland	In vitro evaluation of the activity of grained extracts as inhibitors cholinesterases, reducing choline uptake	PS2.031
32	Jasik, Anna	Poland	Thermal insulation properties of monolayered and DCL type of TBC systems based on rare La zirconates: numerical simulations and laser-flash analysis	PS2.032
33	Jasik, Anna	Poland	Thermal insulation properties of composite La ₂ Zr ₂ O ₇ +8YSZ thermal barrier coatings	PS2.033
34	Karkoszka, Tatiana	Poland	Analysis of Re influence on solidification kinetics and heat treatment	PS2.034
35	Karkoszka, Tatiana	Poland	The influence of silver on the crystallization kinetics, microstructure and properties of Cu-Ni alloys	PS2.035
36	Krupinski, Mariusz	Poland	Strengthening the cobalt-modified copper surface	PS2.036
37	Krupinski, Mariusz	Poland	Modified Zn-Al-Cu alloys	PS2.037
38	Lach, Aleksandra	Poland	The influence of phase change materials (pcms) on thermal and mechanical properties of polyurethane-based bone scaffolds	PS2.038

39	Lach, Aleksandra	Poland	Thermal properties of polyurethanesaccharides modified with magnetite and hydroxyapatite	PS2.039
40	Marzec, Ewa	Poland	Effect of temperature on dielectric relaxation alloxan-induced lenses from of healthy and diabetic rabbits	PS2.040
41	Marzec, Ewa	Poland	Comparative analysis of temperature dependence of dielectric parameters in selected dry tissues from rabbits	PS2.041
42	Matula, Grzegorz	Poland	Influence of polymer type on rheology and debinding temperature of powder injected maraging steel	PS2.042
43	Migas, Damian	Poland	Liquid salts deposits assisted decomposition processes in the systems $\text{Sm}_2\text{Zr}_2\text{O}_7 + (\text{ZrO}_2, \text{CeO}_2, \text{HfO}_2)$	PS2.043
44	Mikusiewicz, Marta	Poland	Determination of thermal diffusivity of TBC systems by laser flash measurement	PS2.044
45	Mikusiewicz, Marta	Poland	Microstructural phenomena in TGO zone in $\text{RE}_2\text{Zr}_2\text{O}_7$ based thermal barrier coatings – analysis of modelled powder and real TBC systems	PS2.045
46	Morawiec, Mateusz	Poland	Dilatometric study of the phase transformation kinetics stimulated by recrystallized and non-recrystallized austenite in 3Mn-1.5Al steel	PS2.046
47	Moskal, Grzegorz	Poland	Interspalt heat transfer coefficient determination in composite thermal barrier coating systems of $\text{RE}_2\text{Zr}_2\text{O}_7+8\text{YSZ}$ type	PS2.047
48	Moskal, Grzegorz	Poland	Thermogravimetric investigations of new Co-Al-Mo-Nb-X (X = Cr, Ti) cobalt-based superalloys	PS2.048
49	Olejnik, Olga	Poland	Dynamic Mechanical Analysis of aliphatic polyesters with stabilizers of plant origin	PS2.049
50	Ordon, Klaudia	Poland	Thermal properties of porous polyurethane scaffolds for bone reconstruction and regeneration	PS2.050
51	Ordon, Klaudia	Poland	Synthesis and thermal properties of PEG-based polyurethanes modified with hydroxyapatite for biomedical applications	PS2.051
52	Pagacz, Joanna	Poland	Thermo-analytical investigation of Dominican ambers	PS2.052
53	Pietrzyk, Stanislaw	Poland	The influence of thermal treatment on Li and Co leaching efficiency from spent lithium-ion batteries	PS2.053
54	Pietrzyk, Stanislaw	Poland	The use of thermal hydrogen decrepitation to recycle Nd-Fe-B magnets from electronic waste	PS2.054
55	Pruchnik, Hanna	Poland	Application of the DSC and spectroscopy methods in the analysis of the interaction of lipid membranes with phosphatidylcholines containing anisic acid	PS2.055
56	Pruchnik, Hanna	Poland	Interaction between anticancer palladium(II) complexes with tris(2-carboxyethyl)phosphine and biomolecules – calorimetrical study	PS2.056
57	Rybinski, Przemyslaw	Poland	Influence of basalt filler on the thermal, mechanical properties and toxicity of thermal decomposition gaseous products of ceramizable silicone rubber composites	PS2.057
58	Sitarz, Maciej	Poland	Oxidation resistance of black glasses obtained from ladder-like silsesquioxanes	PS2.058
59	Sitarz, Maciej	Poland	Thermal properties and crystallization kinetics of fluoroindate glasses	PS2.059
60	Sowinska, Anna	Poland	Effect of ionic liquids on curing characteristics and thermal behaviour of butadiene-styrene elastomer	PS2.060
61	Szatkowski, Piotr	Poland	The influence of functionalized hydroxyapatite on the thermal properties of polyacetal composites	PS2.061
62	Szatkowski, Piotr	Poland	Preparation and DMA investigations of polyoxymethylene modified with PEG-grafted hydroxyapatite	PS2.062
63	Szczygiel, Irena	Poland	Structural and magnetic studies of nanosized Mn-Zn ferrites prepared by modified solution combustion route	PS2.063
64	Szczygiel, Irena	Poland	Phase equilibria in the $\text{ErPO}_4 - \text{KPO}_3 - \text{Er}(\text{PO}_3)_3$ system	PS2.064
65	Szterner, Piotr	Poland	Thermal behaviour and structural characterization of hydroxyapatite whiskers, obtained by hydrothermal synthesis with the use of calcium lactate pentahydrate	PS2.065
66	Szterner, Piotr	Poland	Preparation of calcium phosphates by hydrothermal precipitation using various chelating agents	PS2.066
67	Tomaszewska, Agnieszka	Poland	Determination of heat treatment parameters of new co-based superalloys of Co-20Ni-7Al-7W type	PS2.067
68	Tomaszewska, Agnieszka	Poland	Microstructural stability in composite TBC coatings of $\text{Gd}_2\text{Zr}_2\text{O}_7+8\text{YSZ}$ type	PS2.068
69	Wesolowski, Marek	Poland	Solubility and miscibility of methylxanthines with polymeric excipients in theoretical and practical aspect	PS2.069
70	Wesolowski, Marek	Poland	A new DSC approach to compatibility/incompatibility study between ingredients of pharmaceutical mixtures	PS2.070
71	Almeida, Ana	Portugal	Thermodynamic properties of phase transitions of two substituted benzaldehydes	PS2.071
72	Freitas, Vera LS	Portugal	Thermochemical study of γ -lactone derivatives	PS2.072
73	Freitas, Vera LS	Portugal	Thermodynamic properties of <i>o</i> -phenanthroline and <i>o</i> -phenanthroline monohydrate	PS2.073
74	Maria, Teresa	Portugal	Molecular structure and plastic crystal formation ability of 1,2-dichlorocyclohexane isomers	PS2.074
75	Maria, Teresa	Portugal	Novel solid forms of a recent anti-rheumatic drug: solid state characterization and intrinsic dissolution rate evaluation	PS2.075
76	Ribeiro da Silva, Maria	Portugal	Thermochemical vs structural studies on hydroxyl-indanone derivatives	PS2.076
77	Silva, Carlos	Portugal	Contribution for the thermodynamic study of anthranilate derivatives	PS2.077
78	Aldica, Gheorghe	Romania	Thermal analysis of Ga and In acetylacetonate powders	PS2.078

79	Badea, Mihaela	Romania	New nickel (II) complexes with mixed ligands as potential antimicrobial agents	PS2.079
80	Badea, Mihaela	Romania	Structure and thermal behaviour of a new co-crystal containing melamine	PS2.080
81	Bizdoaca, Nicu George	Romania	Thermal behavior of magnetorheological fluid, integrated within an innovative spherical joint system	PS2.081
82	Capraru, Aylin	Romania	Preparation and characterization of stable colloidal suspensions based on magnetic iron oxide nanoparticles obtained by combustion synthesis	PS2.082
83	Carabet, Alice Carla	Romania	Thermal stability, physical properties and biological activity of bis [(phenyl azo) biphenyleneoxymethylene] anthracene	PS2.083
84	Carabet, Alice Carla	Romania	New biologically active Co(II), Ni(II) and Cu(II) complexes containing a tridentate ONN sulfathiazole-based Schiff base: Synthesis, spectral study and thermal behaviour	PS2.084
85	Circioban, Denisa	Romania	Solid-state compatibility study between prednisone and pharmaceutical excipients	PS2.085
86	Circioban, Denisa	Romania	Thermal analysis and molecular modelling of inclusion complexes containing artesunate	PS2.086
87	Gabor, Augusta Raluca	Romania	Dynamic mechanical properties of polyhydroxybutyrate reinforced with cellulose microfibrils	PS2.087
88	Gabor, Augusta Raluca	Romania	Thermal and morphological characteristics of poly(l-lactic acid)/organic-inorganic hybrid nanocomposites	PS2.088
89	Gheorghie, Stefan	Romania	Thermal and mechanical properties of timnalsnzrc alloy obtained from nanopowders	PS2.089
90	Harja, Maria	Romania	Thermal investigation of zeolitic materials synthesized from fly ash	PS2.090
91	Harja, Maria	Romania	Bismuth-doped hydroxyapatite coatings on titanium implants	PS2.091
92	Ion, Rodica Mariana	Romania	Thermal/spectral analysis of archaeological objects	PS2.092
93	Ledeti, Adriana	Romania	Thermal analysis and kinetic degradation study for corticosteroid drug fludrocortisone	PS2.093
94	Ledeti, Adriana	Romania	Thermal stability and kinetic degradation study for dihydroartemisinin	PS2.094
95	Ledeti, Ionut	Romania	Search of interaction between prednisolone and pharmaceutical excipients in solid binary mixtures	PS2.095
96	Ledeti, Ionut	Romania	Aripiprazole - heptakis(2,6-di-O-methyl)- β -cyclodextrin inclusion complex. Compatibility studies with pharmaceutical excipients	PS2.096
97	Olar, Rodica	Romania	Investigation of physical-chemical and antimicrobial properties of Ni(II), Co(II), Cu(II) and Zn(II) complexes with 3-amino-1,2,4-triazolium ion	PS2.097
98	Mateescu, Madalina	Romania	Preliminary study for preparation of transdermal patch with tramadol and acyclovir	PS2.098
99	Mateescu, Madalina	Romania	Preparative study for preparation and analysis of medicated jelly with Ibuprofen and Ambroxol	PS2.099
100	Mihaila, Andreea	Romania	The influence of composition (Arabica and Robusta) on the thermal behaviour of some types of commercial coffee and resulting coffee grounds	PS2.100
101	Mihailescu, Natalia	Romania	Metamaterials for biodegradable metallic implants synthesized by laser techniques	PS2.101
102	Mihalache, Valentina	Romania	Tuning functional properties of transition metal doped zinc oxide by the conditions of thermal decomposition of precursors: from DMS to oxide nanocomposites	PS2.102
103	Mihalache, Valentina	Romania	Thermal analysis and properties of ball-milled and spark plasma sintered iron nanostructures - comparison with Fe-Cr (oxide dispersion strengthened) alloys	PS2.103
104	Milosan, Ioan	Romania	Comparative analysis on AlSi12-SiC composites processed by powder metallurgy and centrifugal casting	PS2.104
105	Leulescu, Marian	Romania	Thermal behaviour, spectral properties, optical anisotropy and biological activity of azorubine	PS2.105
106	Rotari, Natalia	Moldova	The thermal analysis and calorimetry - as a group of methods for developing modern competences of research for students	PS2.106

Poster Session 3.				
No	Name	Country	Abstract title	Code
1	Panaitescu, Denis Mihaela	Romania	Thermal properties of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) nanocomposites with controlled degradability	PS3.001
2	Panaitescu, Denis Mihaela	Romania	Biocomposite foams based on polyhydroxyalkanoates: morphological and thermo-mechanical characterization	PS3.002
3	Precupas, Aurica	Romania	The influence of hyaluronic acid on the phase transitions in Pluronic systems	PS3.003
4	Rosu, Liliana	Romania	On the thermal behavior of an epoxidized castor oil coating	PS3.004
5	Koga, Nobuyoshi	Japan	Kinetics of the thermal decomposition of magnesium hydroxide: Mechanistic features and impact of water vapor	PS3.005
6	Sfirloaga, Paula	Romania	Investigation of thermal behaviour for materials based on lanthanum manganite with nitrogen addition	PS3.006
7	Sfirloaga, Paula	Romania	Phase transitions in perovskite-type manganites and effect of Ag-doping on its physico-chemical properties	PS3.007
8	Sereda, Vladimir	Russian Federation	Defect chemistry and thermodynamics of proton-conducting perovskites $BaCa_{(1+y)/3}Nb_{(2-y)/3}O_{3-\delta}$	PS3.008
9	Chen, Guangyu	United Kingdom	Split anode calorimetry for plasma arc energy density measurement with laser calibration	PS3.009
10	Uivarosi, Valentina	Romania	Insight on thermal behavior and biomolecular interaction of Ru(II) and Ru(III) complexes with diaminodicarboxylate ligands	PS3.010
11	Uivarosi, Valentina	Romania	Physical-chemical characterization, thermal behaviour investigation and antimicrobial activity studies of some oxovanadium(IV) complexes with quinolone antibiotics	PS3.011
12	Velescu, Bruno	Romania	Thermal and physical-chemical characterization of new complexes with cyanoguanidine derivatives	PS3.012
13	Velescu, Bruno	Romania	Physical-chemical characterization of Pt(II) and Pt(IV) complexes with a ligand bearing triazolopyrimidine pharmacophore	PS3.013
14	Vlase, Titus	Romania	Influence of the nature of phosphates on the properties and thermal behaviour of hydroxyapatite bioceramic precursors	PS3.014
15	Vlase, Titus	Romania	Study for formulation of medicated vehicle with different antibiotics with application in stomatology	PS3.015
16	Voda, Raluca	Romania	Nickel cobaltite modified glassy carbon for enhanced voltammetric detection of diclofenac	PS3.016
17	Voda, Raluca	Romania	Use of MgFe-LDH obtained from secondary source as heterogeneous catalyst for advanced oxidation process of CR	PS3.017
18	Anikina, Elena	Russian Federation	Calorimetric Study of the $ZrMo_{1.5}V_{0.5} - H_2$ system	PS3.018
19	Astafyev, Alexander	Russian Federation	Thermomagneto-metric analysis of nickel-zinc ferrites	PS3.019
20	Astafyev, Alexander	Russian Federation	Influence of ball milling conditions on the reactivity lithium ferrite powder	PS3.020
21	Chislov, Mikhail	Russian Federation	Hydration and properties of fly ash based geopolymers: effects of calcite addition and mechanical activation	PS3.021
22	Chislov, Mikhail	Russian Federation	The $Gd_2SrFe_2O_7$ complex oxide: mechanism of synthesis and antibacterial activity	PS3.022
23	Erzunov, Dmitry	Russian Federation	Thermodynamics of sulfonated cobalt phthalocyanine derivatives interaction with pyridine and piperidine in aqueous media	PS3.023
24	Goryunova, Polina	Russian Federation	Calorimetric study of fullerene-containing polymers	PS3.024
25	Kabirov, Dzhovidon	Russian Federation	Calorimetric and spectroscopic studies of DNA aptamers for mutant Huntingtin targeting	PS3.025
26	Khachatryan, Artashes	Russian Federation	Solvation thermochemistry of aromatic hydrocarbons and their halogen derivatives in imidazolium-based ionic liquids	PS3.026
27	Kirichenko, Olga A	Russian Federation	Redox-behaviour of novel $CrO_x/Pd/SiO_2$ catalytic nanomaterials	PS3.027
28	Kirichenko, Olga A	Russian Federation	Facile synthesis of hierarchical trimodal micro-mesoporous Cu hydrosilicate material and its catalytic application for hydrogenation of nitro-group in aromatic compounds	PS3.028
29	Kosyakov, Andrei	Russian Federation	The identification and stabilization of new phases in Ga – S and Ga – Se systems	PS3.029
30	Kosyakov, Andrei	Russian Federation	On the In – S system: the results of thermal analysis and vapor pressure measurements	PS3.030
31	Kuryakov, Vladimir	Russian Federation	Light Scattering Study of Phase Transitions for n-Alkane in Water Nanoemulsions	PS3.031
32	Kuryakov, Vladimir	Russian Federation	Phase Transition Determinations in n-Alkane Paraffin Wax via Light Scattering Data Analysis Techniques	PS3.032
33	Kuznetsova, Irina	Russian Federation	Influence of heating on the solid acidity of Gd_2O_3	PS3.033
34	Kuznetsova, Irina	Russian Federation	Determination of water activity in frozen salmon by DSC	PS3.034
35	Lukianova, Olga	Russian Federation	Finite element modelling of high temperature pressureless sintering of silicon nitride	PS3.035
36	Lukianova, Olga	Russian Federation	Transport properties and current characteristics of silicon nitride	PS3.036

37	Mamylov, Sergey	Russian Federation	Influence of mechanochemical treatment at thermal decomposition and adsorption of brown coals	PS3.037
38	Minich, Iana	Russian Federation	Synthesis and thermal study of intercalated and grafted organic-inorganic hybrids based on $H_2K_{0.5}Bi_{2.5}Ti_4O_{13}$	PS3.038
39	Minich, Iana	Russian Federation	Thermal analysis and 1H and ^{13}C NMR study of layered perovskite type $H_2La_3Ti_3O_{10}$ with intercalated or grafted organic molecules	PS3.039
40	Mukhametzyanov, Timur	Russian Federation	Calorimetric and spectroscopic investigation of irreversible denaturation of lysozyme in water-DMSO mixtures	PS3.040
41	Nikolaev, Evgeniy	Russian Federation	Dilatometric analysis of sintering lithium-zinc ferrite ceramics	PS3.041
42	Nikolaev, Evgeniy	Russian Federation	Control of magnetite phase formation in milled Fe_2O_3 powder by XRD and thermal analysis	PS3.042
43	Perlovich, German	Russian Federation	Design of bioavailable antifungal drugs	PS3.043
44	Rakipov, Ilnaz	Russian Federation	Solvation thermochemistry of organic molecules in binary solvents	PS3.044
45	Samatov, Aizat	Russian Federation	Group contribution scheme for bromo-substituted compounds	PS3.045
46	Shelyapina, Marina	Russian Federation	Thermal characterization of bimetallic Ag-Fe ion exchangeable mordenite	PS3.046
47	Shelyapina, Marina	Russian Federation	Effect of thermal treatment of Cu-exchanged mordenites on Cu^{2+} localization studied by thermal analysis and EPR	PS3.047
48	Sherchenkov, Alexey	Russian Federation	Investigation of the thermal and combustion properties of energetic materials based on nanoscale Al, Ni and FeO_x powder materials	PS3.048
49	Shtern, Maxim	Russian Federation	Investigation of thermophysical parameters of effective thermoelectric materials on the basis of chalcogenides of bismuth and antimony	PS3.049
50	Shtern, Yuri	Russian Federation	Thermal stability of thermoelectric materials on the basis of chalcogenides of bismuth and antimony obtained by different methods	PS3.050
51	Silyukov, Oleg	Russian Federation	Thermogravimetric study on protonation and hydration of perovskite type layered oxide $KCa_2Nb_3O_{10}$	PS3.051
52	Sologubov, Semen	Russian Federation	Calorimetric study of siloxane dendrimers from the first to the fourth generations with trimethylsilyl terminal groups	PS3.052
53	Stepanova, Olga	Russian Federation	Studies of the thermodynamic properties of betamethasone valerate and mometasone furoate in the range of temperature from $T \rightarrow 0$ to 350 K	PS3.053
54	Streltsov, Dmitry	Russian Federation	A study of chloro- <i>p</i> -xylylenes polymerization kinetics using high-vacuum <i>in-situ</i> differential scanning calorimetry	PS3.054
55	Tsvetov, Nikita	Russian Federation	Excess heat capacities for the acetic acid + water mixture in the temperature range 278 – 358 K	PS3.055
56	Tsvetov, Nikita	Russian Federation	Dynamics of thermal decomposition of the double complex salt $[Cr(ur)_6][Co(CN)_6] \cdot 4H_2O$ and its constituent parts	PS3.056
57	Usacheva, Tatyana	Russian Federation	Host-guest inclusion complex of β -cyclodextrin and benzoic acid in water-ethanol solvents: spectroscopic and thermodynamic characterization of complex formation	PS3.057
58	Vashurin, Arthur	Russian Federation	The stability of aryloxy-substituted phthalonitriles towards thermo-oxidative destruction	PS3.058
59	Yagofarov, Mikhail	Russian Federation	On the ways of the fusion enthalpy determination below the melting temperature	PS3.059
60	Zelenina, Liudmila	Russian Federation	Thermal investigation of α -, β -, γ -cyclodextrin hydrates dehydration processes	PS3.060
61	Zelenina, Liudmila	Russian Federation	Thermal study of Bi(III) polybromides	PS3.061
62	Zvereva, Irina	Russian Federation	Thermal analysis and porosimetry of natural zeolites from deposits in Cuba	PS3.062
63	Balanovic, Ljubisa	Serbia	Thermal properties of the low-melting Bi-Sn-Zn eutectic alloy	PS3.063
64	Jovanovic, Jelena	Serbia	The effect of drying mode on the kinetics of thermal degradation of graphene oxide/OH-functionalised poly (butylacrylate-co-methylmethacrylate) composite	PS3.064
65	Jovanovic, Jelena	Serbia	The kinetics of non-isothermal dehydration of equilibrium swollen Ca-alginate hydrogel	PS3.065
66	Ljubojev, Nadezda	Serbia	Potentials and development of wind energy in the Republic of Serbia	PS3.066
67	Manasijevic, Dragan	Serbia	Thermal characterization of the In-Sn-Zn eutectic alloy	PS3.067
68	Pekez, Jasmina	Serbia	Characterization of weld metal in welded microalloyed steel J55 made using a rutile electrode with a flux-cored wire core	PS3.068
69	Strbac, Goran	Serbia	Influence of variation of pH and concentration on efficiency of naproxen removal from mixture of pharmaceuticals by advanced oxidation photocatalysis using ZnO/TiO_2	PS3.069
70	Strbac, Goran	Serbia	Variation of the apparent activation energy throughout the glass transition process in chalcogenide system Cu-As-Se	PS3.070
71	Tanasic, Jelena	Serbia	The thermal properties of novel polyurethane hydrogels	PS3.071
72	Tanasic, Jelena	Serbia	Thermal properties of silicone nanocomposites	PS3.072
73	Vasic, Milica	Serbia	Influence of thermally induced structural transformations on corrosion resistance of amorphous $Fe_{81}B_{13}Si_4C_2$ alloy	PS3.073
74	Al-Shantir, Omar	Slovakia	Mechanical-acoustic study of electroporcelain made under different compression pressures	PS3.074
75	Al-Shantir, Omar	Slovakia	Determination of the approximation for the temperature integral	PS3.075
76	Chromcikova, Maria	Slovakia	Structure and volume relaxation of selected $BaO-P_2O_5$ glasses	PS3.076
77	Chromcikova, Maria	Slovakia	Crystallization kinetics of binary $Yb_2O_3-Al_2O_3$ glass	PS3.077

78	Dubaj, Tibor	Slovakia	An on-line optical thermolysis of the graphene oxide (GO) thin films	PS3.078
79	Gyoryova, Katarina	Slovakia	Thermal and biological properties of Zn(II) 5-iodo- and 5-bromosalicylates with nicotinamide and caffeine	PS3.079
80	Hruska, Branislav	Slovakia	Thermodynamic model and Raman spectra of MgO-P ₂ O ₅ glasses	PS3.080
81	Hruska, Branislav	Slovakia	Crystallization kinetics of Ni-doped Ca ₂ Al ₂ SiO ₇ glass microspheres	PS3.081
82	Kuzielova, Eva	Slovakia	Hydrothermal preparation and thermal stability of analcime	PS3.082
83	Pagacova, Jana	Slovakia	Crystallization of TiO ₂ xerogel	PS3.083
84	Zelenak, Vladimir	Slovakia	Use of the methods of thermal analysis in studying of advanced materials for drug delivery	PS3.084
85	Borstnar, Marusa	Slovenia	Hydration of belite-calcium sulfoaluminate cements at different curing temperatures studied by isothermal calorimetry and thermal analysis	PS3.085
86	Voncina, Maja	Slovenia	Study of interaction between molten aluminium and hot-working tool steel using DSC and TG method	PS3.086
87	Kim, Yoocheon	South Korea	Thermal decomposition kinetics of non-ideal high explosives for simulating slow & fast cook off test	PS3.087
88	Park, Sojin	South Korea	The experimental thermodynamic data for various liquid electrolyte solutions of Li-ion battery	PS3.088
89	Park, Sojin	South Korea	Phase equilibria and thermodynamic properties for the reaction products of biofuel manufacturing processes	PS3.089
90	Yang, Hee-Chul	South Korea	Mechanisms and kinetics of the thermal decontamination of tritium and radiocarbon in spent activated carbon	PS3.090
91	Burriel, Ramon	Spain	Direct measurements and interpolation techniques in magnetocaloric materials for cooling applications	PS3.091
92	Garzon, Eduardo	Spain	Thermal behaviour of the different parts of almond shells as waste biomass	PS3.092
93	Garzon, Eduardo	Spain	Characterization, thermal and ceramic properties of phyllite clays from SE Spain	PS3.093
94	Moradi, Sasan	Spain	The effect of particle shape on the thermal conductivity of epoxy-boron nitride composites	PS3.094
95	Perez-Maqueda, Luis A	Spain	Thermal energy storage using low-cost natural compounds for concentrated solar power plants	PS3.095
96	Roman, Frida	Spain	Study of kinetics and thermal conductivity of epoxy-thiol composites filled with boron nitride of different size and shape, and hydrides	PS3.096
97	Sunol, Joan Josep	Spain	Thermal cycling influence on the martensitic transformation of Ni-Mn-Sn based magnetic shape memory alloys	PS3.097
98	Sunol, Joan Josep	Spain	Phase diagrams of Heusler magnetic shape memory alloys	PS3.098
99	Lee, Ming-Jer	Taiwan	Biomolecular interactions of selected buffers with haemoglobin	PS3.099
100	Tseng, Jo-Ming	Taiwan	Inhibition effects analysis on ammonium nitrate mixed with dry extinguishing agent	PS3.100
101	Ekici, Mehmet	Turkey	Microstructure properties of aluminium alloy and zinc coated steels combined with cold metal transfer welding	PS3.101
102	Ekici, Mehmet	Turkey	Effect of aspect ratio on mechanical properties of glass fibre reinforced polypropylene composite materials	PS3.102
103	Antonijevic, Milan	United Kingdom	The use of DSC in the analysis of topical formulation - skin interactions	PS3.103
104	Dolatowska-Zebrowska, Karolina	Poland	The influence of chocolate coating on glass transition temperature of freeze-dried strawberries	PS3.104
105	Tutunaru, Bogdan	Romania	Thermal analysis - an effective characterization method of polymer films formed by poly(vinyl acetate)	PS3.105
106	Tutunaru, Bogdan	Romania	Thermal characterization of metal/polymer system based on silver nanoparticles/poly(vinyl alcohol)	PS3.106
107	Manich, Albert M	Spain	Evaluation of healthy and ecological friendly flame retardants for textiles using thermal analysis	PS3.107
108	Lazzara, Giuseppe	Italy	Thermophysical and thermochemical aspects of clay materials and their functional composites investigated by thermal analysis and calorimetry methods	PS3.108