

Monday, 27 th of August		Tuesday, 28 th of August				Wednesday, 29 th of August				Thursday, 30 st of August						
11 ⁰⁰ -16 ⁰⁰	Registration of Participants at ESTAC12	9 ⁰⁰ -9 ¹⁰	ESTAC12 Info				9 ⁰⁰ -9 ¹⁰	ESTAC13 Info				9 ⁰⁰ -9 ⁵⁰	Workshop KTPTE <i>Sponsored by Mettler Toledo</i>			
		9 ¹⁰ -9 ⁵⁰	Giuseppe Lazzara PL2 <i>Sponsored by TA Instruments</i>				9 ¹⁰ -9 ⁵⁰	Jiri Malek PL3 <i>Sponsored by Mettler Toledo</i>				9 ⁵⁰ -10 ³⁰	Sergey Verevkin PL5 <i>Sponsored by Mettler Toledo</i>			
		9 ⁵⁰ -10 ²⁰	TA Instruments TL1				9 ⁵⁰ -10 ¹⁰	Mettler Toledo TL2					10 ³⁰ -10 ⁵⁰	Coffee break <i>Sponsored by TA Instruments</i>		
		10 ²⁰ -10 ³⁰	TAC Conferences Info				10 ¹⁰ -11 ⁰⁰	Workshop MTPIM <i>Sponsored by TA Instruments</i>				11 ⁰⁰ -12 ³⁰		Poster Session 2 & Coffee break <i>Sponsored by TA Instruments</i>		
		10 ³⁰ -10 ⁵⁰	Coffee break <i>Sponsored by TA Instruments</i>					10 ⁵⁰ -11 ²⁰	IL09	IL10	IL11		IL12			
		10 ⁵⁰ -11 ²⁰	IL01	IL02	IL03	IL04	11 ²⁰ -11 ⁴⁰	OP1.15	OP2.15	OP3.15	OP4.15					
		11 ²⁰ -11 ⁴⁰	OP1.01	OP2.01	OP3.01	OP4.01	11 ⁴⁰ -12 ⁰⁰	OP1.16	OP2.16	OP3.16	OP4.16					
		11 ⁴⁰ -12 ⁰⁰	OP1.02	OP2.02	OP3.02	OP4.02	12 ⁰⁰ -12 ²⁰	OP1.17	OP2.17	OP3.17	OP4.17					
		12 ⁰⁰ -12 ²⁰	OP1.03	OP2.03	OP3.03	OP4.03	12 ²⁰ -12 ⁴⁰	OP1.18	OP2.18	OP3.18	OP4.18					
		12 ²⁰ -12 ⁴⁰	OP1.04	OP2.04	OP3.04	OP4.04	12 ⁴⁰ -13 ⁰⁰	OP1.19	OP2.19	OP3.19	OP4.19					
		12 ⁴⁰ -14 ¹⁰	Lunch <i>Sponsored by TA Instruments</i>				12 ³⁰ -14 ⁰⁰	Lunch <i>Sponsored by Mettler Toledo</i>					13 ⁰⁰ -14 ³⁰	Lunch <i>Sponsored by TA Instruments</i>		
14 ¹⁰ -14 ⁴⁰	IL05	IL06	IL07	IL08	14 ⁰⁰ /14 ²⁰	Buses leave for Sinaia				14 ³⁰ -14 ⁵⁰	OP1.20		OP2.20	OP3.20	OP4.20	
16 ⁰⁰ -18 ⁰⁰	Afternoon break	14 ⁴⁰ -15 ⁰⁰	OP1.05	OP2.05	OP3.05	OP4.05	1h	Brasov-Sinaia					14 ⁵⁰ -15 ¹⁰	OP1.21	OP2.21	OP3.21
		15 ⁰⁰ -15 ²⁰	OP1.06	OP2.06	OP3.06	OP4.06		1h	Visit at Peles Castle <i>Sponsored by TA Instruments</i>				15 ¹⁰ -15 ³⁰	OP1.22	OP2.22	OP3.22
		15 ²⁰ -15 ⁴⁰	OP1.07	OP2.07	OP3.07	OP4.07	16 ⁰⁰ -18 ³⁰		Afternoon break in Sinaia				15 ³⁰ -15 ⁵⁰	OP1.23	OP2.23	OP3.23
		15 ⁴⁰ -16 ⁰⁰	OP1.08	OP2.08	OP3.08	OP4.08	18 ³⁰ -19 ⁰⁰	Jose L. Perez-Rodriguez PL4 <i>Sponsored by TA Instruments</i>				15 ⁵⁰ -16 ¹⁰	OP1.24	OP2.24	OP3.24	OP4.24
		16 ⁰⁰ -16 ²⁰	OP1.09	OP2.09	OP3.09	OP4.09		19 ⁰⁰ -19 ³⁰	Concertino				16 ¹⁰ -16 ³⁰	OP1.25	OP2.25	OP3.25
		16 ²⁰ -16 ⁴⁰	OP1.10	OP2.10	OP3.10	OP4.10	16 ³⁰ -16 ⁵⁰		Coffee break <i>Sponsored by TA Instruments</i>				16 ⁵⁰ -17 ¹⁰	OP1.26	OP2.26	OP3.26
18 ⁰⁰ -18 ⁴⁰	Opening Ceremony of ESTAC12	16 ⁴⁰ -18 ¹⁰	Poster Session 1 & Coffee break <i>Sponsored by TA Instruments</i>				19 ³⁰ -24 ⁰⁰	Conference Dinner <i>Sponsored by TA Instruments</i>				17 ¹⁰ -17 ³⁰	OP1.27	OP2.27	OP3.27	OP4.27
18 ⁴⁰ -19 ²⁰	Edward Charsley PL1 <i>Sponsored by TA Instruments</i>		18 ¹⁰ -18 ³⁰	OP1.11	OP2.11	OP3.11		OP4.11	18 ¹⁰	Closing Ceremony						
19 ²⁰ -22 ⁰⁰	Welcome Party & Cocktail <i>Sponsored by TA Instruments</i>	18 ³⁰ -18 ⁵⁰	OP1.12	OP2.12	OP3.12	OP4.12	Buses leave for Brasov									
		18 ⁵⁰ -19 ¹⁰	OP1.13	OP2.13	OP3.13	OP4.13	Arrival in Brasov									
		19 ¹⁰ -19 ³⁰	OP1.14	OP2.14	OP3.14	OP4.14										
Hallway of Aula Magna (AM)					AM- Aula Magna "Sergiu Chiriacescu" of Transylvania University of Brasov, Str. Iuliu Maniu 41A, Brasov 500091											
Room A					TSAB - Theatre „Sica Alexandrescu” of Brasov, Piața Teatrului 1, Braşov 500092											
Room B					SC - Strada Mihail Kogălniceanu 15, Braşov 500090											
Room C					PC - National Peles Museum, Aleea Peleşului 2, Sinaia 106100											
Room D					<h2 style="text-align: center;">Program of ESTAC12</h2> <h3 style="text-align: center;">27-30 August 2018</h3> <h3 style="text-align: center;">Braşov, Romania</h3>											
Teatrul „Sică Alexandrescu” din Brasov (TSAB)																
Sergiana Center (SC)																
Peles Castle (PC)																
Casino Sinaia (CS) - Bulevardul Carol I, Nr. 2, Sinaia 106100																

Plenary, Invited & Technical Lectures				
No	Name	Country	Abstract title	Code
Plenary Lectures				
1	Charsley, Edward L.	United Kingdom	Sample Controlled Thermal Analysis - Techniques & Applications	PL1
2	Lazzara, Giuseppe	Italy	Thermal analysis and calorimetry for halloysite based materials	PL2
3	Malek, Jiri	Czech Republic	Application of thermal analysis and calorimetry in glass science	PL3
4	Perez-Rodriguez, Jose L.	Spain	Thermal treatments used in the synthesis and characterization of Cultural Heritage materials	PL4
5	Verevkin, Sergey	Germany	Energetics of advanced materials: combination of differential scanning, combustion and solution calorimetry with the quantum-chemical calculations	PL5
Invited Lectures				
1	Dreyer, Christian	Germany	Recent developments on thermosetting resins and energy efficient processing technologies	IL01
2	Sbirrazzuoli, Nicolas	France	Advanced isoconversional kinetic analysis. Application to biobased polymers and nanocomposites	IL02
3	Rycerz, Leszek	Poland	NdBr ₃ - MBr binary systems (M = Li, Na, K, Rb, Cs) – an example for discussion of thermodynamic and transport properties of lanthanide(III) halide – alkali metal halide systems	IL03
4	Van Assche, Guy	Belgium	Advanced thermal analysis for self-healing robotics	IL04
5	Stoica, Mihai	Switzerland	Cu-added Fe-based bulk metallic glasses	IL05
6	Van der Merwe, Elizabet M.	South Africa	Thermogravimetric investigations of thermochemically-treated solid mineral residues in the context of waste beneficiation	IL06
7	Schiraldi, Alberto	Italy	Calorimetry and thermal analysis in food science	IL07
8	Katoh, Katsumi	Japan	Investigation of validity of Abel test as a stability evaluation method of nitric acid esters and their related products	IL08
9	Chicinas, Ionel	Romania	Composite powders and spark plasma sintered composite compacts of Me/MeFe ₂ O ₄ type. Thermal stability and properties	IL09
10	Putnam, Shawn	USA	Steady and unsteady thermal transport at solid-solid and solid-liquid interfaces	IL10
11	Cibulkova, Zuzana	Slovakia	DSC study of gamma radiation and temperature ageing of EVA cable insulation	IL11
12	Antonijevic, Milan	United Kingdom	Development and characterisation of a pharmaceutically important multi-component co-amorphous systems using thermal analysis	IL12
Technical Lectures				
1	Verdonck, Els	Belgium	Exploring the bounds of TGA	TL1
2	Hammer, Angela	Switzerland	Innovations in Thermal Analysis by METTLER TOLEDO	TL2

Oral Presentations 1. Materials & Processing: Functional & Porous Materials, Ceramics, Metals & Alloys, Cements, Glasses and Composites

No	Name	Country	Abstract title	Code
1	Vykydalova, Anna	Slovakia	Thermooxidative stability of aged beeswax using non-isothermal DSC	OP1.01
2	Holjevac Grguric, Tamara	Croatia	Thermodynamic calculations and phase transformation temperatures of Cu-Al-Mn alloys	OP1.02
3	Walczak, Katarzyna	France	Synthesis and characterization of B-substituted nanoporous carbons with high energy of hydrogen adsorption	OP1.03
4	Esposito, Pierre-Henry	France	How milling parameters can be used to optimize the reactivity of aluminium powder?	OP1.04
5	Guigo, Nathanael	France	Biobased furanic thermosets. From fundamental approach to application development	OP1.05
6	Majda, Dorota	Poland	Application of thermoporometry for characterization of mesoporous materials containing large pores	OP1.06
7	Chomyen, Phakin	Thailand	Thermogravimetric analysis and compressive strength of cement pastes using Thai Lopburi calcined clay as supplementary material	OP1.07
8	Catauro, Michelina	Italy	Sol-gel processing, thermal behaviour and bioactivity of SiO ₂ based hybrid materials	OP1.08
9	Arii, Tadashi	Japan	Sample observation thermal analysis: thermal analysis method equipped with optical microscope	OP1.09
10	Bissengaliyeva, Mira	Kazakhstan	Low-temperature calorimetry of praseodymium-doped barium-lanthanum tungstates -BaLa _{2-x} Pr _x WO ₇	OP1.10
11	Hammer, Angela	Switzerland	Compositional Analysis of complex materials with TGA-GC/MS	OP1.11
12	Tomaszewicz, Elzbieta	Poland	Synthesis, thermal and optical properties of new Nd-doped lead molybdate-tungstates and tungstates	OP1.12
13	Cernat, Alexandru	Romania	Combustion of preheated raw animal fats-diesel fuel blends at diesel engine	OP1.13
14	Pritzel, Christian	Germany	Phase transformation of calcium sulphate dihydrate to calcium sulphate hemihydrate	OP1.14
15	Anyszka, Rafal	Poland	Current trends in ceramifiable polymer composites development	OP1.15
16	Maaten, Birgit	Estonia	High-speed thermogravimetric analysis of the combustion of wood and Ca-rich fuel	OP1.16
17	Kuznetsov, Viktor	Russian Federation	Using DTA for assessment of the CALPHAD models for the Ag-Au-In ternary	OP1.17
18	Zherikova, Kseniya	Russian Federation	Mass transfer of precursor mixtures in MOCVD of TBC ceramic layer	OP1.18
19	Kaljuvee, Tiit	Estonia	Influence of waste products from electricity and cement industries on the thermal behaviour of Estonian clay from Kunda deposit	OP1.19
20	Ranogajec, Jonjaua	Serbia	Thermal properties and economic aspects of technology of medieval bricks	OP1.20
21	Perez-Maqueda, Luis A.	Spain	Reversible carbonation-decarbonation reactions for CO ₂ capture and thermal energy storage	OP1.21
22	Pietrzyk, Stanislaw	Poland	The thermal treatment process of used lithium-ion batteries	OP1.22
23	Singh, Shanti	Canada	Hazards Characterization of Energetic Ionic Liquids	OP1.23
24	Imiela, Mateusz	Poland	Plasticized ceramizable styrene-butadiene rubber composites	OP1.24
25	Moncea, Andreea	Romania	Thermal stability of inorganic pigments synthesized from galvanic sludge	OP1.25
26	Olteanu, Marius	Romania	Advanced SiO ₂ composite materials for heavy metals removal from wastewater	OP1.26
27	Riposan, Iulian	Romania	Simultaneous thermal and contraction / expansion analyses of cast iron solidification process	OP1.27
28	Varganici, Cristian	Romania	Thermal behaviour of wood coated with natural and synthetic epoxy based materials	OP1.28
29	Yang, Bin	Germany	Vacancy concentration in aluminium alloy AA7150	OP1.29

Oral Presentations 2. Theory & Methods, Kinetics & Catalysis, Fuels & Biofuels, Energetics and Applied Thermal Engineering

No	Name	Country	Abstract title	Code
1	Mahendran, Arunjunai Raj	Austria	Thermal cure characteristics and degradation studies of benzoxazines from different bisphenol using model free kinetic	OP2.01
2	Davies, Philip	United Kingdom	New High Pressure TGA Instrument for Coal Pyrolysis and Gasification Measurement under Application Relevant Conditions	OP2.02
3	Afflerbach, Sandra	Germany	Design of a measuring cell for investigation of thermal induced phase transformations during de- and rehydration of solids with <i>in situ</i> X-ray powder diffraction	OP2.03
4	Tseng, Jo-Ming	Taiwan	Epoxy acrylic resin experimental analysis of runaway reaction	OP2.04
5	Fueglein, Ekkehard	Germany	Some Aspects to Improve the Reliability of Thermoanalytical Data	OP2.05
6	Mohomed, Kadine	USA	Using Non-Isothermal DSC to Determine the Dependence of Process Melt Temperature on the Crystallization Kinetics of Polyphenylene Sulfide	OP2.06
7	Szilagyi, Imre Miklos	Hungary	Trends in thermal analysis	OP2.07
8	Meyer, Markus	Germany	Fully Automatic Measurement Curve Evaluation and Database-Supported Curve Interpretation in Thermal Analysis	OP2.08
9	Blanco, Ignazio	Italy	The role of thermal analysis in determining 3D printing quality of filaments for Fused Deposition Modelling (FDM)	OP2.09
10	Vecchio Cipriotti, Stefano	Italy	From surface to bulk dehydration of materials. A kinetic perspective	OP2.10
11	Kikuchi, Shin	Japan	Kinetic study of liquid sodium–calcite reaction for safety assessment of sodium cooled fast reactor	OP2.11
12	Budrugaec, Petru	Romania	Critical study concerning the use of sinusoidal modulated thermogravimetric data (MTG) for evaluation of activation energy of heterogeneous processes	OP2.12
13	Simon, Peter	Slovakia	Recommendations for performing kinetic computations on thermal analysis data: An alternative approach	OP2.13
14	Koga, Nobuyoshi	Japan	Universal kinetic approach to the thermal decomposition of solids under different partial pressures of evolved gas	OP2.14
15	Bakos, Laszlo Peter	Hungary	Preparation and characterization of nitrogen doped carbon aerogel/metal oxide composites using atomic layer deposition	OP2.15
16	Choi, Minsung	South Korea	Study on flame structures and emissions characteristics according to swirl combination and fuel composition in a CH ₄ /H ₂ /CO syngas swirl stabilized combustor	OP2.16
17	Stankovic, Branislav	Serbia	Application of logistic function on non-isothermal kinetics of fullerol dehydroxylation	OP2.17
18	Ndlovu, Luyanda	South Africa	Analysis of Transient Heat Transfer in Radial Moving Fins with temperature-dependent thermal properties	OP2.18
19	Choi, Gyungmin	South Korea	Control of pulverized coal flame temperature and flow based on coal particle size in a swirl-stabilized pulverized coal burner	OP2.19
20	Kozlov, Alexander	Russian Federation	Using DSC signal for studying the kinetics of evaporation of moisture from the lignocellulosic fuels	OP2.20
21	Alonso Ipinia, Alain	Spain	Assessing input variables to model numerically solid-phase pyrolysis	OP2.21
22	Sempere, Julia	Spain	The use of Non-Parametric Kinetics (NPK) to predict Time to Maximum Rate (TMR) under adiabatic conditions	OP2.22
23	Preturlan, Joao G.D.	France	Kinetic and mechanistic aspects of the CaSO ₄ -H ₂ O solid-gas transformations: Gypsum dehydration reactions	OP2.23
24	Streltsov, Dmitry	Russian Federation	A study of <i>p</i> -xylylene and chloro- <i>p</i> -xylylene polymerization kinetics using high-vacuum <i>in-situ</i> differential scanning calorimetry	OP2.24
25	Kaliappan, Senthil Kumar	UAE	Non-isothermal crystallisation kinetics of carbon black- and graphene-based multimodal HDPE nanocomposites	OP2.25
26	Bednarska, Dalia	Poland	The analysis of water freezing kinetics in mesoporous silica gel	OP2.26
27	Lazaro, David	Spain	Influence of the STA boundary conditions on thermoplastic thermal decomposition	OP2.27
28	Mihaila, Andreea	Romania	Kinetics of drying of certain lacquers and paints in isothermal conditions using a thermogravimetric analyzer	OP2.28
29	Olaru, Daniel	Romania	Thermal Working Regime of First Stage Alloyed Turbine Blades	OP2.29

Oral Presentations 3. Thermodynamics, Thermochemistry & Calorimetry and Thin Films & Nanomaterials

No	Name	Country	Abstract title	Code
1	Pichler, Christian	Austria	Hydration of Portland cement as monitored by isothermal heat flow calorimetry: modelling with emphasis on decelerating period	OP3.01
2	Flandorfer, Hans	Austria	Li-ion battery anode materials: Thermochemical investigations	OP3.02
3	Van den Brande, Niko	Belgium	Construction of state diagrams for organic photovoltaic systems by Rapid Heat-Cool DSC	OP3.03
4	Aodkeng, Supakporn	Thailand	Thermogravimetry analysis of cement based materials reinforced with carbon nanotubes grown on clay	OP3.04
5	Shanelova, Jana	Czech Republic	Determination of crystal growth rates in chalcogenide glasses using differential scanning calorimetry	OP3.05
6	Siler, Pavel	Czech Republic	Application of isothermal and isoperibolic calorimetry to assess the effect of zinc on hydration of cement blended with ground blast furnace slag and silica fume	OP3.06
7	Beurroies, Isabelle	France	How Calorimetry is used to select the best adsorbent for CO ₂ capture	OP3.07
8	Iacomini, Paul	France	Using low temperature calorimetry for <i>in situ</i> monitoring of the switching behaviour of a flexible metal organic framework DUT-49	OP3.08
9	Walter, Serge	France	What can calorimetry tell us about the true nature of the energies involved in chemical reactions?	OP3.09
10	Abdelaziz, Amir	Germany	Determination of the sublimation vapour pressure of thermally labile compounds with fast scanning calorimetry	OP3.10
11	Maskow, Thomas	Germany	Nanomaterials activates silent viruses – calorimetric analysis, clarification of the mode of action and thermokinetic modelling	OP3.11
12	Tarani, Evangelia	Greece	Multiple melting peaks of High Density Polyethylene/Graphene nanocomposites investigated by differential scanning calorimetry	OP3.12
13	Keri, Orsolya	Hungary	Preparation of TiO ₂ nanofibers and TiO ₂ nanotubes	OP3.13
14	Dayan, Serkan	Turkey	Fabrication of η6-arene/Ru(II)-Fe ₃ O ₄ and [PdCl ₂ L]-Fe ₃ O ₄ Nanomaterials: Multifunctional Catalysts In The Synthesis of Biaryl Alcohols	OP3.14
15	Hammer, Angela	Switzerland	Strategies for separating overlapping effects by DSC and Flash DSC	OP3.15
16	Tamura, Kazuhiro	Japan	Solubility of Derivatized Anthraquinone Dye-stuffs in Supercritical CO ₂ and Organic Solvents	OP3.16
17	Nyikes, Zoltan	Hungary	Investigation of the Blast Heat Effect in the Electrical Wiring	OP3.17
18	Menyhard, Alfred	Hungary	Simulation of crystalline morphology from calorimetric crystallization curves	OP3.18
19	Kristof, Janos	Hungary	Application of thermal analysis in the synthesis and characterization of clay nanocomposites	OP3.19
20	Avsec, Jurij	Slovenia	Thermodynamic and transport properties for HCl, CuCl ₂ and their mixtures participating in Cu-Cl cycle	OP3.20
21	Zvereva, Irina	Russian Federation	Hybrid organic-inorganic perovskite type layered titanates: thermochemical and structure investigations	OP3.21
22	Trusilewicz, Lidia Natalia	Poland	Calorimetric study of the incinerated sewage sludge raw stream ashes in a context of effect on Portland cement based binders early hydration - technological implications	OP3.22
23	Chidiac, Samir	Canada	Characterization of hydration of cement paste internally cured with superabsorbent polymers using isothermal calorimetry	OP3.23
24	Cortellessa, Gino	Italy	Experimental and numerical analysis in heat flow sensors calibration	OP3.24
25	Ivanov, Dimitri	Russian Federation	Fast Scanning Chip Calorimetry combined with Millisecond Time-Resolved X-ray Nano- and Micro-Diffraction: New Opportunities and Challenges	OP3.25
26	Guneri, Emine	Turkey	Optical Properties of Au-Doped Cu ₂ O Thin Films	OP3.26
27	Mitran, Raul Augustin	Romania	Nanocomposite phase change materials using mesoporous silica for elevated temperature applications	OP3.27
28	Popa, Vlad Tudor	Romania	<i>Candida albicans</i> Growth Kinetics via Microcalorimetry	OP3.28
29	dos Santos Rosa, Derval	Brazil	Surface modification effects on the thermal stability of cellulose nanostructures obtained from lignocellulose residues	OP3.29

Oral Presentations 4. Chemicals, Polymers, Bio(macro)molecules & Biocomposites, Life science, Organic & Functional complex compounds				
No	Name	Country	Abstract title	Code
1	Howell, Bob A.	USA	Thermal Properties of Charring Plasticizers from the Biobased Alcohols, Pentaerythritol and 3,5-Dihydroxybenzoic Acid	OP4.01
2	Phetmung, Hirihattaya	Thailand	Synthesis, structure, spectroscopy and thermal analysis of a classical paddle-wheel binuclear and an unusual polynuclear copper(II) compounds with benzoate and salicylamide	OP4.02
3	Yin, Jia	China	Effects of additives on thermal stability of N, N'-dinitrosopentamethylenetetramine	OP4.03
4	Kucerik, Jiri	Czech Republic	Link between thermo-analytical data and soil biogeochemical cycles	OP4.04
5	Kilic, Derya	Turkey	Cellulose Asetate Polymer Fibers Functionalized with Transition Metal Complexes of 3,4-dimethylpyridine	OP4.05
6	Chua, Yeong Zen	Germany	Direct Determination of the Thermodynamic Properties of Melting for Amino Acids	OP4.06
7	Gestrich, Tim	Germany	Thermal Analysis Study on the Dehydration- and Pyrolysis-Behaviour of Pure Carbohydrates and in Combination with Silicon and SiO ₂ Additions	OP4.07
8	Zimmermann, Ralf	Germany	Chemical profiling of crude oil and asphaltene samples by Thermal Analysis coupled to photo-ionization mass spectrometry	OP4.08
9	Patsiaoura, Dimitra	Greece	A simple route towards the estimation of the overall performance of lignocellulosic-based composites	OP4.09
10	Sgarlata, Carmelo	Italy	Anion encapsulation drives the assembling of dimeric Ln ^{III} [15-metallacrown-5] ³⁺ complexes in aqueous solution at neutral pH	OP4.10
11	Izato, Yu-ichiro	Japan	Thermal analysis and detailed chemical reaction simulation of ammonium dinitramide decomposition	OP4.11
12	Matsunaga, Hiroki	Japan	Thermal behaviour of ammonium dinitramide-based high energetic ionic liquid under reduced pressure	OP4.12
13	Tsuchiya, Masahiro	Japan	Thermal behaviour of Co(II)-[(pyridinecarbonyl)amino]propyl-terminated poly(dimethylsiloxane) coordination compounds	OP4.13
14	Celan Korosin, Natasa	Slovenia	Quantifying vegetable oil oxidation in air by differential thermogravimetry	OP4.14
15	Mossety-Leszczak, Beata	Poland	Analysis of curing reaction of liquid-crystalline epoxy compositions by using temperature modulated DSC (TOPEM [®])	OP4.15
16	Raducka, Anita	Poland	Synthesis, thermal study and other properties of some solid d ⁿ - metal(II) complexes with tryptophan	OP4.16
17	Swislocka, Renata	Poland	Thermal, spectroscopic and X-ray studies of metal complexes (manganese, copper, nickel, cobalt and zinc) with pyrimidine-5-carboxylic acid	OP4.17
18	Zawadzinski, Jaroslaw	Poland	Influence of water and temperature on the electrical conductivity of the human nail	OP4.18
19	Denisova, Yulia	Russian Federation	Thermal analysis studies on the crystallinity in novel multiblock copolymers of norbornene with cyclododecene	OP4.19
20	Gavrichev, Konstantin	Russian Federation	Thermal and thermodynamic properties of some RE tantalates	OP4.20
21	Nagrimanov, Ruslan	Russian Federation	Thermochemical properties of phase transitions of organic compounds at 298 K	OP4.21
22	Stoporev, Andrey	Russian Federation	Influence of pressure and stirring rate on the processes of nucleation and growth of methane hydrate in water-in-oil emulsion	OP4.22
23	Dubaj, Tibor	Slovakia	Solid-state stability of pharmaceuticals predicted from decomposition in liquid phase	OP4.23
24	Gacki, Michal	Poland	Synthesis, spectroscopic and thermal behaviour of metal complexes with nonsteroidal anti-inflammatory drugs (NSAID)	OP4.24
25	Moradi, Sasan	Spain	The effect of particle size on the thermal conductivity of epoxy-boron nitride composites	OP4.25
26	Costiuc, Iuliana	Romania	Emission investigation of modified pressure wave supercharger working on internal combustion engine	OP4.26
27	Schnitzler, Egon	Brazil	By-products obtained after aqueous extraction of starch from organic <i>Amaranthus caudatus</i> : thermal, structural, morphological and pasting properties	OP4.27
28	Desfougeres, Lenaic	France	Modelling of the thermal decomposition of uranium oxalate	OP4.28
29	Brancart, Joost	Belgium	Thermal dissociation and photoreversibility of anthracene derivatives in the condensed state	OP4.29

Poster Session 1. Materials, Chemicals, Thin films & Nanomaterials, Thermal Processing and Applications				
No	Name	Country	Abstract title	Code
1	Cuvellier, Audrey	Belgium	The influence of stereochemistry on the reactivity of the Diels-Alder cycloaddition and the implications for reversible network polymerization	PS1.001
2	Verdonck, Els	Belgium	Dynamic Mechanical Analysis for material characterization: from thin films and powders to stiff composites	PS1.002
3	Aleksandrov, Lyubomir	Bulgaria	Time-temperature transformation into borosilicate glasses doped with gold and silver nanoparticles	PS1.003
4	Petkova, Vilma	Bulgaria	Applied TG-DSC-MS analysis of microstructural properties and phase formation of self-compacting cement mortars	PS1.004
5	Chidiac, Samir	Canada	Determining degree of hydration of hardened concrete based on thermogravimetric analysis (TGA)	PS1.005
6	Holjevac Grguric, Tamara	Croatia	Electrospinning of PCL/CEFUROXIM® fibrous carriers on 3D printed collectors	PS1.006
7	Sakoman, Matija	Croatia	Transformation temperatures and mechanical properties of ausforming treated CuZnAl shape memory alloy	PS1.007
8	Keppert, Martin	Czech Republic	Influence of free and sorbed zinc on cement hydration	PS1.008
9	Kodetova, Veronika	Czech Republic	Phase transformations in deformed commercial Al–Zn–Mg–Cu alloys with Sc and Zr addition	PS1.009
10	Kodetova, Veronika	Czech Republic	Mechanical properties and corrosion behaviour of heat-treated Mg–Y–Nd–Ag alloys	PS1.010
11	Kubatova, Dana	Czech Republic	Synthesis of β -C ₂ S-based binder from limestone and calcium silicate wastes	PS1.011
12	Kucerik, Jiri	Czech Republic	Partial phase change of latent heat storage materials – first results of application of differential scanning calorimetry	PS1.012
13	Medved, Igor	Czech Republic	Determination of the thermal diffusivity of ceramics by the Boltzmann-Matano method	PS1.013
14	Trnik, Anton	Czech Republic	The influence of compression pressure on thermal expansion, bulk density and Young's modulus of electroporcelain up to 1100 °C	PS1.014
15	Zezulova, Anezka	Czech Republic	Hydration of Clinkers Doped by Barium with and without Addition of Gypsum	PS1.015
16	Polivtseva, Svetlana	Estonia	Low-temperature synthesis of ZnO layers assisted by chemical processes	PS1.016
17	Pulkkinen, Herkko	Finland	Variable temperature XRD to study phase transformations of saline solution confined in SBA-15 pores	PS1.017
18	Chiriac, Rodica	France	TGA-GC/MS on-line and off-line couplings for EGA. Applications in various fields (energy storage, CO ₂ capture, biomaterials, polymers)	PS1.018
19	Favergeon, Loic	France	Synthesis and gas-solid carbonation of mesoporous magnesium oxide under wet CO ₂	PS1.019
20	Favergeon, Loic	France	Thermal analysis to understand reactional pathway of mixed oxalate decomposition	PS1.020
21	Preturlan, Joao G.D.	France	Thermodynamic study of the CaSO ₄ -H ₂ O solid-gas transformations: How much water does calcined gypsum contain?	PS1.021
22	Afflerbach, Sandra	Germany	In-situ light microscopy on the de- and rehydration of thermochemical materials	PS1.022
23	Chua, Yeong Zen	Germany	Glass Transition and Stable Glass Formation of Tetrachloromethane	PS1.023
24	Pritzel, Christian	Germany	Measuring the carbonisation depth of cement lime samples with thermal analysis	PS1.024
25	Achilias, Dimitris	Greece	Pyrolytic degradation of polymers present in packaging materials	PS1.025
26	Chrissafis, Konstantinos	Greece	Oxidation resistance of MnSi _{1.7} synthesized by pack cementation	PS1.026
27	Patsiaoura, Dimitra	Greece	Study on the thermal behaviour of a bioactive Sr-containing silicate glass-ceramic	PS1.027
28	Tokody, Daniel	Hungary	Cast iron brake block warming and microstructural change under braking load	PS1.028
29	Tokody, Daniel	Hungary	Experiments of a Heat Exchanger Application for Railroad Bearings	PS1.029
30	Verma, Ranjit	India	Thermooxidative decomposition of Indian mustard oil	PS1.030
31	Blanco, Ignazio	Italy	Thermal investigation on Polystyrene nanocomposites filled with full phenyls crown POSSs	PS1.031
32	Freccero, Riccardo	Italy	The new Lu ₃ Pd ₄ Ge ₄ intermetallic: the key role of thermal characterization on the road towards physical properties measurements	PS1.032
33	Milioto, Stefana	Italy	Thermal analysis for the characterization of waterlogged archaeological woods consolidated with Halloysite nanotubes/polyethylene glycol composites	PS1.033
34	Sarpietro, Maria Grazia	Italy	DSC studies on the interaction of lipophilic cytarabine prodrugs with DMPC multilamellar vesicles	PS1.034
35	Tine, Maria Rosaria	Italy	A thermoanalytical study of the curing process of linseed oil influenced by lead white and ultramarine blue pigments	PS1.035
36	Tranquillo, Elisabetta	Italy	Thermal behaviour, morphological characterization, and bioactivity of SiO ₂ /Ferrous Citrate hybrid materials synthesized by Sol-Gel method	PS1.036
37	Hinatsu, Yukio	Japan	Diverse structures of perovskite-type oxides containing rare earths, and their thermal and magnetic properties	PS1.037

38	Izato, Yu-ichiro	Japan	Reactivity analysis on ammonium dinitramide binary mixtures in condensed phase	PS1.038
39	Kikuchi, Shin	Japan	Thermal decomposition of structural concretes used in the sodium-cooled fast reactor: perlite and siliceous concretes	PS1.039
40	Takahashi, Hidehiro	Japan	Forensic identification of mechanical pencil leads by TG/DTA with optical observation	PS1.040
41	Takahashi, Hidehiro	Japan	Evaluation of the melting behavior for polypropylene by DSC with sample observation	PS1.041
42	Tamura, Kazuhiro	Japan	Surface Modification of Titanium Oxide with Benzoic Acid in Supercritical Carbon Dioxide	PS1.042
43	Tsuchiya, Masahiro	Japan	Thermal behaviour of cellulose acetate fibers with sub-micrometer thickness	PS1.043
44	Yamaki, Nana	Japan	Thermal hazard analysis for cellulose dissolving process using imidazolium-based ionic liquids	PS1.044
45	Yanaga, Satoshi	Japan	Thermal decomposition and NO _x generation behaviour of nitrocellulose containing metal oxide	PS1.045
46	Bissengaliyeva, Mira	Kazakhstan	Calorimetric studies of complex oxides based on lanthanum, tungsten and magnesium or calcium	PS1.046
47	Baltakys, Kestutis	Lithuania	The peculiarities of mayenite formation from synthetic katoite and calcium monocarboaluminate samples in temperature range 25 – 1150 °C	PS1.047
48	Baltakys, Kestutis	Lithuania	Synthesis and properties of fast-hardening calcium sulfoaluminate cements based on technogenic raw materials	PS1.048
49	Dambrauskas, Tadas	Lithuania	The thermal stability of α -C ₂ SH substituted with Co ²⁺ , Cr ²⁺ or Cu ²⁺ ions	PS1.049
50	Kalpokaite-Dickuviene, Regina	Lithuania	Thermal analysis and functional properties of ternary cement paste containing gasification residue and metakaolin	PS1.050
51	Siauciuonas, Raimundas	Lithuania	Thermal gravimetric studies of rankinite binder carbonation process	PS1.051
52	Siauciuonas, Raimundas	Lithuania	Impact of SiO ₂ raw materials activity on xonotlite synthesis	PS1.052
53	Cruz-Ramirez, Alejandro	Mexico	Manufacturing of metallic closed-cell foams by using alternative thickening agents	PS1.053
54	't Hoen, Charlotte	the Netherlands	Thermal analysis of erythritol tetranitrate (ETN) prepared according to different synthesis routes	PS1.054
55	Anyszka, Rafal	Poland	Thermal behaviour of sulphur/organic copolymers	PS1.055
56	Dudek, Magdalena	Poland	The NiO-Ca _{1-x} Ba _{0.95} Ce _{0.9} Y _{0.1} O ₃ , 0<x<0.1 as an anode material for a ceramic proton-conducting fuel cell	PS1.056
57	Dudek, Magdalena	Poland	Comparative studies of various coal-based fuels in solid oxide fuel cells	PS1.057
58	Dudek, Piotr	Poland	Selective laser sintering thermoplastic matrix composites	PS1.058
59	Gaca, Magdalena	Poland	Effect of grapheme nanoplatelets modification on the thermal, mechanical, electrical and barrier properties of the elastomers	PS1.059
60	Gacki, Michal	Poland	The novel Co(II) complex with diclofenac. Synthesis, crystal structure and thermal investigation	PS1.060
61	Gizowska, Magdalena	Poland	Solution Combustion Synthesis of yttria – investigation of reaction mechanism by differential thermal analysis	PS1.061
62	Imiela, Mateusz	Poland	Ceramizable styrene-butadiene rubber composites plasticized by silicone oil	PS1.062
63	Kalinowska, Monika	Poland	Spectroscopic, thermogravimetric and anti-/pro-oxidant properties of zinc complex of chlorogenic acid	PS1.063
64	Kucharczyk, Barbara	Poland	The effect of replacing part of the La in the LaFeO ₃ perovskite with Ag on the properties of the catalyst and its activity in methane oxidation	PS1.064
65	Kuczek, Justyna	Poland	Thermal studies of cobalt phosphate-silicate glasses	PS1.065
66	Kuczek, Justyna	Poland	Thermal characteristic of the phosphate-silicate glasses modified with B ₂ O ₃ addition	PS1.066
67	Majda, Dorota	Poland	Evolution of the pore filling upon grafting of large chelating ligands on SBA-15 and their interaction with primary pollutants studied by means of thermoporometry	PS1.067
68	Mossety-Leszczak, Beata	Poland	Thermal properties of star branched polymers with biodegradable arms	PS1.068
69	Pawelczyk, Adam	Poland	Thermogravimetry and X-ray analysis as tools in the assessment of waste phosphogypsum for potential processing	PS1.069
70	Pawlikowska, Marta	Poland	Synthesis, thermal and optical properties of new Eu- and Mn-doped scheelites	PS1.070
71	Pawlikowska, Marta	Poland	New ceramic materials based on calcium molybdate-tungstates doped with Mn ²⁺ and Nd ³⁺ ions	PS1.071
72	Piatek, Milena	Poland	Thermal analysis as a method of characterization of Solution Combustion Synthesis of yttrium aluminum garnet nanopowder	PS1.072
73	Szczygiel, Bogdan	Poland	Effect of hafnium content on heat resistance of FeCrAl alloy foil	PS1.073
74	Szczygiel, Irena	Poland	Hydrothermal synthesis and characterization of Zn-Mn ferrite	PS1.074
75	Tomaszewicz, Elzbieta	Poland	High-temperature solid state reaction and combustion synthesis of Y ₆ MoO ₁₂	PS1.075
76	Trusilewicz, Lidia Natalia	Poland	Quantitative estimates of temperature influence in chemical reaction of the Friedel's salt formation from natural volcanic pozzolan and metakaolin origin - crystallographic considerations	PS1.076
77	Wach, Radek	Poland	Enhancement of Mechanical Properties of FDM-PLA by Thermal Annealing	PS1.077

78	Astafyev, Alexander	Russian Federation	Thermomagneto-metric analysis of lithium ferrites	PS1.078
79	Astafyev, Alexander	Russian Federation	Thermomagneto-metric analysis of ball milled Fe ₂ O ₃	PS1.079
80	Gyngazov, Sergei	Russian Federation	Thermal destruction of coprecipitated hydroxides of indium and dysprosium	PS1.080
81	Gyngazov, Sergei	Russian Federation	Investigation with using thermal analysis of gas evolution and sintering of nanopowders of zirconia prepared by sol-gel method	PS1.081
82	Kirichenko, Olga	Russian Federation	Redox behaviour of novel FeO _x /Pd/SiO ₂ catalytic nanomaterials	PS1.082
83	Kirichenko, Olga	Russian Federation	Thermal analysis of intermediates during preparation of Pt/WO _x /Al ₂ O ₃ catalyst of 1,3-propanediol formation from glycerol	PS1.083
84	Kozin, Nikolai	Russian Federation	Thermochemical study of synthetic mordenite	PS1.084
85	Lysenko, Elena	Russian Federation	The influence of reagents ball milling on the lithium ferrite formation	PS1.085
86	Lysenko, Elena	Russian Federation	Application of physical models in the densification of lithium ferrite compacts under sintering by electron beam heating	PS1.086
87	Nikolaev, Evgeniy	Russian Federation	Dilatometric analysis of sintering LiZn ferrite ceramics	PS1.087
88	Sinyova, Svetlana	Russian Federation	The study of the Cu-Pd-Sn phase diagram with the use of experimental methods	PS1.088
89	Sinyova, Svetlana	Russian Federation	Crystallization of the quasibinary bnss-tss eutectic at the Cu-Fe-Ni-S system	PS1.089
90	Vlasov, Vitaly	Russian Federation	Microstructure and thermal analysis of LiFe ₅ O ₈ prepared from wet- and dry-milled ferrite powders	PS1.090
91	Vlasov, Vitaly	Russian Federation	Effect of ball milling on defects level, Curie point and microstructure of LiTiZn ferrite ceramics	PS1.091
92	Zvereva, Irina	Russian Federation	Thermal analysis and multi-analytical comparison of samples of Early-late Neolithic ceramics	PS1.092
93	Pavlicevic, Jelena	Serbia	The effect of TiO ₂ particles on thermal properties of polycarbonate-based polyurethane nanocomposite films	PS1.093
94	Skuban, Fedor	Serbia	Investigation on thermally induced crystallization processes in glassy (As ₂ Se ₃) _{100-x} (SbSI) _x system	PS1.094
95	Matko, Igor	Slovakia	Thermoanalytical and microstructural characterisation of microporous carbon fibers	PS1.095
96	Lee, Hyo-Soo	South Korea	Variation of thermal diffusivity of Cu matrix composites reinforced by Ag-CNT nanoparticles	PS1.096
97	Park, Chan-Gyu	South Korea	Study of polymer-modified mesoporous zeolite Y membrane and its application for the treatment of waste water	PS1.097
98	Park, Chan-Gyu	South Korea	Characteristic analysis of air pollution to select optimum installation position of bi-directional electrostatic precipitator in Seoul subway station	PS1.098
99	Park, Jung Hoon	South Korea	Preparation of TiO ₂ coated hollow fiber membrane using silica binder	PS1.099
100	Daneshmehr, Shahla	Spain	The surface modification of boron nitride particles	PS1.100
101	Morancho, Jose Maria	Spain	Time-temperature-transformation of a dual-curable off-stoichiometric amine-epoxy thermoset	PS1.101
102	Morancho, Jose Maria	Spain	Curing and mechanical properties of off-stoichiometric anhydride-epoxy thermosets	PS1.102
103	Perez-Rodriguez, Jose L.	Spain	TG, DTA and X-ray thermodiffraction study of wall paintings from the 15 th century	PS1.103
104	Sunol, Josep J.	Spain	Phase diagrams of magnetic shape memory alloys	PS1.104
105	Sunol, Josep J.	Spain	Cycling effects on thermal behaviour and microstructure of magnetic shape memory alloys	PS1.105
106	Trobajo Fernandez, Camino	Spain	Hydrothermal synthesis and thermal behaviour of dumortierite-type nickel-hydroxyphosphates with different morphologies	PS1.106
107	Christakopoulos, Fotis	Switzerland	Melting behaviour of nascent polytetrafluoroethylene powder	PS1.107
108	Dennenwaldt, Teresa	Switzerland	Coextruded PA-PP Pipes: Measurements of the Morphology Modification due to Flame Treatment	PS1.108
109	Dennenwaldt, Teresa	Switzerland	Measurements of the Shear Modulus of Thin Polymer Films	PS1.109
110	Chen, Li-Jen	Taiwan	Effect of alkyl chain length of alkyltrimethylammonium bromide on the interaction of ionic surfactant and poly(acrylic acid) mixtures	PS1.110
111	Chen, Li-Jen	Taiwan	Chain length effect of ionic liquid 1-alkyl-3-methylimidazolium chloride on the dissociation temperature of methane hydrate at elevated pressure up to 35.0 MPa	PS1.111
112	Li, Yu-Hsien	Taiwan	Thermal stability evaluation of fireworks by calorimetry approaches	PS1.112
113	Chaipanich, Arnon	Thailand	Heat of hydration of cements containing high volume fly ash and silica fume	PS1.113
114	Chaipanich, Arnon	Thailand	Thermogravimetric analysis and microstructure of alkali-activated metakaolin cement pastes	PS1.114
115	Narattha, Chalermphan	Thailand	Thermogravimetric analysis of environmentally friendly cold-bonded high calcium fly ash-calcium hydroxide lightweight aggregate	PS1.115
116	Narattha, Chalermphan	Thailand	Study of the hydration of cold-bonded high calcium fly ash lightweight aggregate by thermogravimetric analysis	PS1.116
117	Ekici, Mehmet	Turkey	The effects of thermal treatment applied to nanoparticle forsterite powder produced by the solid state method	PS1.117
118	Ekici, Mehmet	Turkey	Investigation of Thermal and Mechanical Properties of Fiber Powder Reinforced PP/PA Matrix Hybrid Composite	PS1.118
119	Emen, Fatih Mehmet	Turkey	A Novel LDH Composite for Oil Sorption From Water: MgAlOH-Fe ₂ O ₃ -MoS ₂	PS1.119
120	Ipekci, Emre	Turkey	Determination of Hydraulic Properties of Historic Lime Plasters by Thermal Analysis	PS1.120
121	Karacolak, Ali Ihsan	Turkey	Preparation and characterization of Ba ₂ MoO ₆ :Eu@MCM-41 composites	PS1.121

122	Karacolak, Ali Ihsan	Turkey	Synthesis, characterization and investigation of thermal behaviour of Thiophenyl-thiourea-modified MCM-41	PS1.122
123	Kilic, Derya	Turkey	Boron Nitride – Cellulose Acetate Microfibers for Effective Remediation of Oil Polluted Water	PS1.123
124	Serhatli, I. Ersin	Turkey	MA-g-PP compatibilized PA6/PP blend with flame retardant additives	PS1.124
125	Ugurlu Sagin, Elif	Turkey	Effects of lime characteristics on mortars prepared by hot lime mix	PS1.125
126	Davies, Philip	United Kingdom	DSC Microscope Accessory - Visual Observation of Material Transitions Combined with the Enthalpy Data	PS1.126
127	Badica, Petre	Romania	Thermal analysis on raw materials and Roman bricks from Romula, Romania	PS1.127
128	Berei, Eniko	Romania	Study on the formation of $\text{CoCr}_2\text{O}_4/\text{SiO}_2$ nanocomposite obtained from Co(II) carboxylate and ammonium dichromate	PS1.128
129	Branzei, Mihai	Romania	Thermal Stability Phases Investigations on some Ni-base high temperature superalloys	PS1.129
130	Capraru, Aylin	Romania	Effect of fuel type and reaction atmosphere on the preparation of maghemite by combustion synthesis	PS1.130
131	Capraru, Aylin	Romania	Combustion synthesis of maghemite with tailored specific surface area	PS1.131
132	Craciun, Valentin	Romania	Thermal transport analysis of Indium Zinc Oxide (IZO) via Time Domain Thermo-Reflectance	PS1.132
133	Craciun, Valentin	Romania	Borate and phosphate glasses crystallization behaviour	PS1.133
134	Cristea, Dan	Romania	Thermal stability of biocompatible Ti-based metallic glasses	PS1.134
135	Cucos, Andrei	Romania	Thermal behaviour of some electro-insulating materials studied by coupled TG-FTIR technique	PS1.135
136	Cursaru, Laura Madalina	Romania	Thermal stability of KNO_3 and NaNO_3 PCMs microencapsulated in inorganic shells	PS1.136
137	Dascalu, Radu Cristian	Romania	Comparative Thermal Studies of Polynuclear Coordination Compounds with Organostannic Knots	PS1.137
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139	Doca, Nicolae	Romania	Synthesis and characterisation of some metals doped hydroxyapatite with possible medical applications	PS1.139
140	Doca, Nicolae	Romania	Synthesis, thermal behaviour and FT-IR study of some hydroxyapatite precursors doped with two metals	PS1.140
141	Lohan, Nicoleta Monica	Romania	Using DMA for the thermo-mechanical processing under dynamic regime and correlating internal friction variations with structural transitions in shape memory alloys	PS1.141
142	Gabor, Augusta Raluca	Romania	Effect of casting solvents on thermal analysis and morphology of SBS/SIS thin films	PS1.142
143	Georgescu, Sergiu-Valeriu	Romania	Experimental thermal characterization of timber frame exterior wall using reed straws as heat insulation materials	PS1.143
144	Hristea, Gabriela	Romania	Sensitive detection of pesticides residues using electrochemical sensors based on graphene like materials	PS1.144
145	Hristea, Gabriela	Romania	Self-assembled graphene oxide membranes. Synthesis and surface morphology	PS1.145
146	Mateescu, Madalina	Romania	Comparative study regarding thermal behaviour of mixtures based on hydroxyapatite and methacrylate for dental use	PS1.146
147	Mateescu, Madalina	Romania	Study of thermally induced interactions between theobromine and various sweeteners	PS1.147
148	Mihailescu, Cristian	Romania	Single-crystalline, single-domain epitaxial growth of $\text{La}_3\text{Ca}_9\text{Cu}_{24}\text{O}_{41}$ thin films by pulsed laser deposition	PS1.148
149	Mihailescu, Cristian	Romania	Thermal conductivity measurements of pulsed laser deposited indium zinc oxide thin films	PS1.149
150	Mihailescu, Natalia	Romania	Nanostructured bioactive glass coatings synthesized by pulsed laser deposition onto biodegradable metallic implants	PS1.150
151	Mihalache, Valentina	Romania	Thermal analysis and microstructure of oxide dispersion strengthened ferritic steels produced by ball milling with different amounts of process control agent	PS1.151
152	Mihalache, Valentina	Romania	Properties of nanostructured CeO_2 prepared from sol-gel derived precursors in different heat treatment conditions	PS1.152
153	Milosan, Ioan	Romania	Thermal analysis on the AlSi12-SiC hybrid composites sintered using solar energy	PS1.153
154	Pop, Lidia	Romania	Influence of Er^{3+} ions addition on thermal and optical properties of phosphate-germanate system	PS1.154
155	Pop, Lidia	Romania	Thermal and optical studies of terbium ions influence in heavy metal glasses	PS1.155
156	Pop, Mircea Nicolae	Romania	A photopyroelectric device for calorimetric based fluid flow instrumentation	PS1.156
157	Pop, Mircea Nicolae	Romania	Photopyroelectric investigation of solid- liquid suspensions separation	PS1.157
158	Riposan, Iulian	Romania	Application of Thermal Analysis in Solidification Pattern Control of La-Inoculated Grey Cast Irons	PS1.158
159	Rosu, Dan	Romania	Thermal characteristics of wood polymer composites	PS1.159
160	Rosu, Liliana	Romania	Biocomposites comprising starch and wood/wood polymers – structural and thermal properties	PS1.160
161	Stan, Stelian	Romania	Control of Inoculation Effects in Ductile Cast Irons by Thermal Analysis	PS1.161
162	Stan, Stelian	Romania	Control of Carbides to Graphite Transition in Grey Cast Irons by Thermal Analysis	PS1.162
163	Stefanescu, Mircea	Romania	Preparation and characterization of $\text{CuCr}_2\text{O}_4/\text{SiO}_2$ and $\text{Cu}_2\text{Cr}_2\text{O}_4/\text{SiO}_2$ nanocomposites obtained from carboxylate type complexes	PS1.163
164	Zaharescu, Maria	Romania	Thermal behaviour in different atmosphere of the Cu-Sr-O gels obtained by sol-gel method	PS1.164

165	Gheorghe, Daniela	Romania	The effect of crystalline structure and surface characteristics of different TiO ₂ nanoforms on bovine serum albumin thermal denaturation: a differential scanning calorimetry study	PS1.165
166	Gheorghe, Daniela	Romania	A DSC study of the effects of gamma rays upon L-arginine	PS1.166
167	Badoi, Anca	Romania	Iron carbide core and N doped carbon shell composite nanoparticles synthesized by laser pyrolysis	PS1.167
168	Badoi, Anca	Romania	Correlations between the structural properties of laser-induced graphene foams and the thermal processes driving the laser pyrolysis of polyimide precursors	PS1.168
169	Vitiu, Aliona	Moldova	Mixed-ligand 3D coordination polymers based on 2,2'-dithiodibenzoic acid and bipyridine ligands: Synthesis, X-ray study and TGA analysis	PS1.169
170	Luca Motoc, Dana	Romania	Thermal expansivity and degradation of hybrid flax/basalt fibre reinforced ELO/MLO resin composites	PS1.170
171	Luca Motoc, Dana	Romania	Polylactic acid/hydroxyapatite and polylactic acid/ β -tricalcium phosphate composites' expansivity and degradation succeeding in vitro conditioning, Romania	PS1.171
172	Stoicanescu, Maria	Romania	Equilibrium phases and expansivity of thermal treated aluminum alloy 7175	PS1.172
173	Leulescu, Marian	Romania	Thermal properties and optical anisotropy of Ponceau 4R	PS1.173
174	Harabor, Ana	Romania	Improved thermal stability, structural and superconducting properties of YBCO samples by adding small percents of silver	PS1.174
175	Harabor, Ana	Romania	The oxygen D2 diffusion in silver doped YBCO samples, using TG data	PS1.175
176	Criveanu, Marius	Romania	The effect of flat hot rolling on the microstructural and mechanical properties of GCS steels processed in one thermal cycle	PS1.176
177	Varfolomeev, Mikhail	Russian Federation	Evaluation of new kinetic/anti-agglomerate methane hydrate inhibitor on the basis of polyurethane by thermal analysis techniques	PS1.177
178	Güneri, Emine	Turkey	Optical Properties of Amorphous Sn ₂ O Thin Films Deposited by Ink Jet Printing Method	PS1.178
179	Rotaru, Andrei	Romania	Evaporation kinetics of PPF corrosion inhibitor for carbon steel	PS1.179

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2	Ehrhardt, Dorothee	Belgium	The effect of vitrification on the Diels-Alder reaction kinetics	PS2.002
3	Verhelle, Robrecht	Belgium	Using differential scanning calorimetry and micro-calorimetry to model polyurethane reactions	PS2.003
4	Cavalheiro, Eder	Brazil	Synthesis, characterization of amphiphilic biopolymeric Schiff bases and zinc complexes	PS2.004
5	Cavalheiro, Eder	Brazil	Thermal analytical studies of metoprolol tartrate	PS2.005
6	dos Santos Rosa, Derval	Brazil	Thermal stability behaviour of the PBAT biofilms with cellulose nanostructures/essential oils for active packaging	PS2.006
7	Schmitt-Cavalheiro, Carla	Brazil	Evaluating the performance of photocalorimetry in photopolymerization kinetic studies of 3D-printed dental resins	PS2.007
8	Schmitt-Cavalheiro, Carla	Brazil	Thermoanalytical studies of 3D-printed dental resins	PS2.008
9	Schnitzler, Egon	Brazil	Effect of aqueous and ethanolic extracts from <i>pinhão</i> coats on the thermal properties of <i>pinhão</i> and corn starches	PS2.009
10	Tavares, Lara	Brazil	Kraft lignin as antioxidant for thermo-oxidative stability enhancement of poly(butylene adipate-co-terephthalate)	PS2.010
11	Tavares, Lara	Brazil	Glass transitions of kraft lignin/epoxy blend: effects of a light absorbing material on temperature modulated optical refractometry measurements	PS2.011
12	Vidotti, Suel	Brazil	Temperature modulated optical refractometry: a pathway towards curing kinetic of polyurethane from oxypropylated kraft lignin	PS2.012
13	Vidotti, Suel	Brazil	Phase transition of cocoa butter and chocolates: a temperature modulated optical refractometry analysis	PS2.013
14	Delcheva, Zlatka	Bulgaria	Thermal decomposition of bromine gordaite: $\text{NaZn}_4(\text{OH})_6(\text{SO}_4)\text{Br}\cdot 6\text{H}_2\text{O}$	PS2.014
15	Guncheva, Maya	Bulgaria	Secondary structure and thermal stability of feruloylated <i>Rapana thomasi</i> hemocyanin	PS2.015
16	Petkova, Vilma	Bulgaria	Study of reaction mechanism of thermal decomposition of sulphate solids with TG-evolved gas analysis mass spectrometry	PS2.016
17	Todinova, Svetla	Bulgaria	Differential scanning calorimetry of the hemocyanin isolated from garden snails <i>Helix lucorum</i>	PS2.017
18	Todinova, Svetla	Bulgaria	Calorimetric characterization of the plasma proteome and erythrocytes derived from women with reproductive problems	PS2.018
19	Yin, Jia	China	Effects of impurities on the thermal stability of diphenyl methane-4,4'-diisocyanate	PS2.019
20	Giraldo, Liliana	Colombia	Thermodynamics of Triclosan adsorption on activated carbon: A comparative calorimetric study of interactions adsorbent-adsorbate	PS2.020
21	Moreno-Pirajan, Juan Carlos	Colombia	Adsorption Calorimetry: Isotherms models, kinetics study and thermodynamic parameters of asphaltene adsorption onto activated carbons prepared from corncobs waste from toluene solutions	PS2.021
22	Moreno-Pirajan, Juan Carlos	Colombia	Immersion enthalpy of benzene/cyclohexane and toluene/cyclohexane binary mixtures into modified activated carbons	PS2.022
23	Erceg, Matko	Croatia	Influence of temperature program on kinetics of the isothermal decomposition of poly(ethylene oxide)	PS2.023
24	Faraguna, Fabio	Croatia	Thermal and calorimetric properties of mineral diesel and fatty acid butyl ester mixtures	PS2.024
25	Govorcin Bajsic, Emi	Croatia	Crystallization kinetic of TPU/PP blends	PS2.025
26	Bednarek, Jan	Czech Republic	The using of isoperibolic calorimetry for aging effect determination of cementitious materials	PS2.026
27	Medved, Igor	Czech Republic	Fitting of heat capacity peaks of phase-change materials with theoretical formulas	PS2.027
28	Shanelova, Jana	Czech Republic	Nucleation and crystallization kinetics in thin films Ge-Sb-S	PS2.028
29	Trnik, Anton	Czech Republic	Kinetic analysis of high-temperature sintering in an illite-based ceramic body	PS2.029
30	Maaten, Birgit	Estonia	Experimental investigation of the high-speed combustion of different oil shales	PS2.030
31	Oja, Vahur	Estonia	Pluses and minuses of thermal analysis for determining vapour pressure of narrow boiling range oil fractions	PS2.031
32	Gervais, Thierry	France	THEMYS - innovative thermal analysis platform for TGA, HP-TGA, STA, DTA/DSC, EGA - capabilities and applications	PS2.032
33	Gervais, Thierry	France	New equipment for the characterization of Volatile Organic Compounds sorption by Thermogravimetry	PS2.033
34	Vlasova, Mariia	France	Fast chip calorimetry with in situ millisecond X-Ray diffraction: PEEK thermal behaviour	PS2.034
35	Abdelaziz, Amir	Germany	Melting temperature and heat of fusion of nucleobases revealed from fast scanning calorimetry	PS2.035
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