The 13th European Symposium on Thermal Analysis and Calorimetry

PALERMO, 19th-22nd SEPTEMBER 2022

Università degli Studi di Palermo

DiFC

Department of Physics and Chemistry – Emilio Segrè

University of Palermo

Sponsored by

The 13th European Symposium on Thermal Analysis and Calorimetry

PALERMO, 19th-22nd SEPTEMBER 2022

Chair of the Symposium	**Giuseppe Lazzara**
Rector of the University of Palermo – President of the Conference	**Massimo Midiri**
Chair of the Scientific Committee	**Stefana Milioto**
Chair of the International Organizing Committee	**Andrei Rotaru**
Chair of the National Organizing Committee	**Stefano Vecchio Ciprioti**
Chair of Honorary Committee	**Giuseppe Arena**

Department of Physics and Chemistry – Emilio Segrè

University of Palermo

Monday, 19th of September		Tuesday, 20th of September			Wednesday, 21st of September			Thursday, 22nd of September		
15.00-17.00	Registration	9.00-9.30	Chair: S. Vecchio Ciprioti		9.00-9.30	Chair: M. Erceg		9.10-9.50	Chair: *J. J. Suñol*	
			Key Lecture (AICAT Grant) **Francesca Saitta**			**Key Lecture (AICAT Grant)** **Claudio Tosto**			***Criado Award:*** **Reading M.**	
		9.30-9.50	**Sponsor 1** ***Linseis***		9.30-9.50	**Sponsor 3** ***Netzsch***		9.50-10.50	Chair: *J. J. Suñol*	
		9.50-10.30	***Lucci Award:*** **Pelosi C.**		9.50-10.30	***Judit Simon ESTAC Award:*** **Ledeti I.**			**O** Orals (3)	
		10.30-10.50	**Coffee Break**		**10.30-10.50**	**Coffee Break**		**10.50-11.10**	**Coffee Break**	
		10.50-12.50	Chair: L. A. P. Maqueda	Chair: I. Blanco	10.50-12.50	Chair: V. Freitas	Chair: I. V. Ledeti	11.10-11.50	Chair: *P. Simon*	
									David Dollimore ESTAC Award: **Sestak J.**	
			A Orals (6)	**B** Orals (6)		**G** Orals (6)	**H** Orals (6)	11.50-12.50	Chair: K. Chrissafis	
									P Orals (3)	
								12.50-13.10	**Sponsor 5** ***HITACHI***	
		12.50-14.00	**Lunch Break**		**12.50-14.00**	**Lunch Break**		**13.10-14.20**	**Lunch Break**	
		14.00-14.40	Chair: A. Rotaru		14.00-14.30	Chair: M. R. Tinè		14.20-15.00	Chair: *N. Koga*	
			Eugen Segal ESTAC Award: **Perez Maqueda L. A.**			**Key Lecture (AICAT Grant)** **Federica D'Aria**			**Rigaku ICTAC Award**	
								15.00-15.30	**Closing Ceremony**	
		14.40-15.00	**Sponsor 2** ***Rigaku***		14.30-14.50	**Sponsor 4** ***Water TA Instrument***		**ICTAC WORKSHOPS**		
		15.00-16.00	Chair: R. Chiriac	Chair: J. Kucerik	14.50-15.50	Chair: G. Van Assche	Chair: A. K. Menyhárd	15.30-16.30	Kinetics Committee Workshop	Education Committee Workshop
			C Orals (3)	**D** Orals (3)		**I** Orals (3)	**L** Orals (3)	16.30-17.30		Standards & Nomenclature Workshop
17.00-18.00	Opening Award Ceremony	**16.00-16.20**	**Coffee Break**		**15.50-16.10**	**Coffee Break**				
		16.20-17.40	Chair: C. Giancola	Chair: K. Pielichowska	16.10-17.10	Chair: D. S. Achilias	Chair: I. M. Szilágyi			
18.00-18.40	Chair: *S. Milioto*		**E** Orals (4)	**F** Orals (4)		**M** Orals (3)	**N** Orals (3)			
	AICAT TA Instrument Award: **Bikiaris**	**17.40-18.40**	**Poster session 1**		**17.10-18.10**	**Poster session 2**				
19.00-22.00	**Welcome cocktail**				**20.00-23.00**	**Conference Dinner**				

Aula magna
Palazzo Chiaramonte, Steri

Aula magna
Ed. 18, University of Palermo

Aula seminari
Ed. 18, University of Palermo

SCIENTIFIC PROGRAM

***Award*: 30 minutes + 10 minutes for Q&A**

***Key Lecture*: 25 minutes + 5 minutes for Q&A**

***Technical Lecture (Sponsor)*: 15 minutes + 5 minutes for Q&A**

***Oral Presentation*: 15 minutes + 5 minutes for Q&A**

Day 1 Monday, the 19th of September

AULA MAGNA, Palazzo Chiaramonte, Steri, Piazza Marina, 60, Palermo

15.00 - 17.00 Registration

17.00 – 18.00 Opening Award Ceremony

Chair: Stefana Milioto

18.00 – 18.40 *AICAT- TA Instruments Award*: *Dimitrios Bikiaris*

Thermal properties of biobased polymers and nanocomposites

Dimitrios N. Bikiaris

19.00 – 22.00 WELCOME COCKTAIL

Day 2 Tuesday, the 20th of September

AULA MAGNA, Department of Physics and Chemistry-Emilio Segrè,

Edificio 18, Viale delle Scienze, *University of Palermo*

Chair: Stefano Vecchio Ciprioti

9.00-9.30 Key Lecture (AICAT Grant): Francesca Saitta

Calorimetric approach to biomembrane thermodynamics: spotting the key points

Francesca Saitta, Marco Signorelli, Dimitrios Fessas

9.30-9.50 Sponsor 1: LINSEIS

Chip-based Calorimeter in combination with several sensor layouts inclusive related investigations

Michael Gerlach, Robin Werner

9.50-10.30 *Lucci Award*: *Chiara Pelosi*

The importance of thermal analysis for the evaluation of new samples, from a fundamental knowledge to the applications.

Chiara Pelosi

10.30-10.50 COFFEE BREAK

	AULA MAGNA	AULA SEMINARI
	Oral Session A	Oral Session B
	Chair: Luis Allan Perez Maqueda	Chair: Ignazio Blanco
10.50 - 11.10	OP01 Pressure-induced phase transition in polymer brushes: thermodynamic predictions and structural studies *Leonardo Chiappisi, Samantha Micciulla, Philipp Gutfreund, Matej Kanduč*	OP07 Simulation of crystalline morphology and optical properties from a simple calorimetric crystallization curve *János Molnár, Aliz Lelik, Lilla Bubenkó, Dóra Szolnoki, Örs SEPSI, Alfréd Menyhárd*
11.10 - 11.30	OP02 Mixing phase behavior of trilaurin and monounsaturated triacylglycerols based on palmitic and oleic fatty acids *Jorge Macridachis, Laura Bayés-García, Teresa Calvet*	OP08 Kinetic analysis of solid-state phase transformation *Jana Shánělová, Jiří Málek, Pavla Honcová*
11.30 - 11.50	OP03 The use of thermal analysis methods for adsorbents studies *Isabelle Beurroies, Gabriel Landeta Avelaneda*	OP09 Kinetics of the thermal decomposition of alkaline earth metal carbonates; films vs powders *Daniel Sánchez-Rodríguez, Sihem Zaidi, Jordi Farjas, Pere Roura-Grabulosa*
11.50 - 12.10	OP04 Molecular Recognition of Ammonium Cations by Novel Water-Soluble Prismarene Hosts *Rocco Del Regno, Giuseppina D. G. Santonoceta, Paolo Della Sala, Margherita De Rosa, Annunziata Soriente, Carmen Talotta, Aldo Spinella, Placido Neri, Carmelo Sgarlata, Carmine Gaeta*	OP10 Reasonable doubts: How reliable are isothermal stability predictions based on non-isothermal data? Tibor Dubaj, Lukáš Bohumel, Peter Šimon
12.10 - 12.30	OP05 Environmental mobility of pollutants: thermodynamic study of four substituted benzonitriles *Bruno Pinheiro, Ana Almeida, Manuel Monte*	OP11 Physical Meaning of Parameters in Isoconversional Methods and Temperature Functions *Peter Šimon, Zuzana Cibulková, Tibor Dubaj*

12.30 - 12.50

OP06 Determination of the effect of sodium salts on hydration kinetics, hydration degree and mechanical properties of zin oxide blended Portland cement

Lukas Matejka, Pavel Siler, Jiri Svec, Jiri Masilko, Jan Koplik, Radoslav Novotny, Frantisek Soukal

OP12 TG-MS for quantitative analysis of evolved gases – methodological notes

Václav Slovák, Gabriela Zelenková

12.50-14.00 LUNCH BREAK

AULA MAGNA, Department of Physics and Chemistry-Emilio Segrè, Edificio 18, Viale delle Scienze, *University of Palermo*

Chair: Andrei Rotaru

14.00-14.40 *Eugen Segal ESTAC Award*: *Luis Allan Perez Maqueda*

Kinetics of Heterogeneous Solid-State Processes. A Materials and Thermochemical Energy Storage Perspective

Luis A. Pérez-Maqueda, Antonio Perejón, Pedro E. Sánchez-Jiménez

14.40-15.00 Sponsor 2: RIGAKU

Thermal Analysis Milestones in Rigaku Corporation

Tadashi Arii, Lani Llego Celiz

AULA MAGNA

Oral Session C

Chair: Rodica Chiriac

15.00-15.20 OP13 Thermal decomposition of calcium propionate: films and powders

Sihem Zaidi, Daniel Sánchez-Rodríguez, Jordi Farjas, Pere Roura-Grabulosa

15.20-15.40 OP14 Use of thermal analysis and calorimetry to eliminate the negative effects of zinc in cement using a hydration accelerator based on formic acid

AULA SEMINARI

Oral Session D

Chair: Jiri Kucerik

15.00-15.20 OP16 Thermal analysis for characterization of atmospheric fine dust: Hy-phenation of thermal-optical carbon analysis & mass spectrometry

R. Zimmermann, H. Czech, K. Schnepel, M. Schmidt, P. Mar-Tens, T. Streibel, J. Chow, J. Watson, S. Ehlert

15.20-15.40 OP17 Halloysite/Biomacromolecules hybrids for restoration of Cultural Heritage

	Pavel Šiler, Lukáš Matějka, Jiří Švec, Jiří Másilko, Radoslav Novotný	*Giuseppe Cavallaro, Maria Rita Caruso, Martina Maria Calvino, Lorenzo Lisuzzo, Giuseppe Lazzara, Stefana Milioto*
15.40-16.00	OP15 Thermal evolution of NiFe-NO3 LDH and its application in energy storage systems. *Marco Fortunato, Anna Maria Cardinale*	OP18 Flash Sintering of Ceramic Materials *Pedro E. Sánchez Jiménez, Luis A. Pérez Maqueda, Antonio Perejón*
16.00-16.20	COFFEE BREAK	
	AULA MAGNA	AULA SEMINARI
	Oral Session E	Oral Session F
	Chair: Concetta Giancola	Chair: Kinga Pielichowska
16.20-16.40	OP19 The study of the flame retardants using Cone Calorimetry *Anna Vykydalová, Jozef Rychlý, Edita Matysová, Barbora Pijáková, Jana Machotová, Zdenko Špitálský*	OP23 Investigating the thermal behavior of acyclovir *Luciano C. R. Rais, Jonatha de Freitas, Ana P. G. Ferreira, Éder T. G. Cavalheiro"*
16.40-17.00	OP20 Thermal Stability of Ammonium Nitrate and Sulfates salts in the Form of Potential Fertilizer Additives: An Experimental Study *Maciej Kaniewski, Marcin Biegun, Józef Hoffmann*	OP24 DSC measurements and modeling of the solid–liquid equilibria of H2O-H3PO4 using Quasi-ideal model *Mohamed Mouhib, Rodica Chiriac , Francois Toche, Zineelabidine Bakher , Mohammed Kaddami, Jean-Jacques Counioux , Christelle Goutaudier*
17.00-17.20	OP21 Effect of sulfur addition on thermal behaviour of glasses for proecological applications *Anna Berezicka, Magdalena Szumera, Justyna Sułowska*	OP25 Thermal Analysis of Annealed Pharmaceutical Glasses to Reveal Their Nucleation Behaviors *Kohsaku Kawakami*
17.20-17.40	OP22 Chemical-physical characterization of animal glues derived from artworks samples *Elena Pulidori, Emanuele Crisci, Maria Rosaria Tinè, Leila Birolo, Georgia Ntasi, Emilia Bramanti, Ilaria Bonaduce, Celia Duce*	OP26 Differentiation between copal and amber by their thermal behaviour *Alessandra Di Mariano, Pura Alfonso, Joaquim Noguès, Salvador Martinez, Maite Garcia-Valles*
17.40-18.40	POSTER SESSION 1	

Day 3 Wednesday, the 21st of September

AULA MAGNA, Department of Physics and Chemistry-Emilio Segrè, Edificio 18, Viale delle Scienze, *University of Palermo*

Chair: Matko Erceg

9.00-9.30 Key Lecture (AICAT Grant): Claudio Tosto

The use of Thermo-mechanical methods to characterize the mesostructure of objects manufactured with Layer-by-Layer approaches

Claudio Tosto, Ignazio Blanco, Gianluca Cicala

9.30-9.50 Sponsor 3: NETZSCH

3D Printing: Crystallization Kinetics of Polyamide 12 During Selective Laser Sintering

Tiziana Bardelli, Elena Moukhina, Natalie Rudolph, Stefan Schmölzer

9.50-10.30 *Judit Simon ESTAC Award: Ionut Valentin Ledeti*

Thermal analysis – here, there and everywhere in pharmaceutical sciences

Ionuț Ledeți

10.30-10.50 COFFEE BREAK

	AULA MAGNA	AULA SEMINARI
	Oral Session G	Oral Session H
	Chair: Vera Freitas	Chair: Ionut Valentin Ledeti
10.50 - 11.10	OP27 Thermal stability assessment of systems containing ammonium nitrate, urea and boric acid *Maciej Kaniewski, Józef Hoffmann*	OP33 Effects of poly(hexylene succinate) on the crystallization and degradation of PLA-b-PHSu copolymers *Iouliana Chrysafi, Nina Maria Ainali, Dimitrios N. Bikiaris*
11.10 - 11.30	OP28 Kinetics Modelling of a Low Temperature Curing Biobased Epoxy *Christina Kyriakou Tziamtzi, Antonios Vlachopoulos, Alexandra Zamboulis, Dimitrios Bikiaris, Konstantinos Chrissafis*	OP34 A comparative study of the crystallinity of high-density polyethylene graphene nanoplatelets composites calculated by various thermal and structural techniques *Evangelia Tarani, Dimitrios N. Bikiaris, George Vourlias, Konstantinos Chrissafis" Nomi*

11.30 - 11.50 OP29 Effect of Self-generated CO2 on the Thermal Decomposition of CaCO3 in an Inert Gas Atmosphere

Mito Hotta, Nobuyoshi Koga

OP35 Isothermal cold and melt crystallization kinetics of Poly(ethylene 2,5-furandicarboxylate) reinforced with Graphene Nanoplatelets and Carbon Nanotubes

Dimitra Kourtidou, Lazaros Papadopoulos, Dimitrios N. Bikiaris, Konstantinos Chrissafis

11.50 - 12.10 OP30 Obtaining inert conditions for reproducible TGA measurements

Prakhar Pouranick, Robrecht René Verhelle, Guy van Assche

OP36 Miniaturized DSC device with integrated weighing system: First steps

Johanna Distler, Thomas Wöhrl, Robin Werner, Michael Gerlach, Michael Gollner, Vincent Linseis, Florian Linseis, Jaroslaw Kita, Ralf Moos Nomi

12.10 - 12.30 OP31 Thermal behaviour of Bituminized Waste Products

Georges Matta, Nicolas Courtois, Jean-Baptiste Champenois, Stéphane Perrin, Nicolas Sbirrazzuoli

OP37 Investigating reversible reactions with modulated differential scanning calorimetry

Robrecht Verhelle, Guy Van Assche

12.30 - 12.50 OP32 Catalytic pyrolysis of plastic marine litter using a zeolite synthesized from coal fly ash

M. Cocchi, L. Cafiero, D. De Angelis, M.B. Falasconi, V. Piemonte, R. Tuffi, Stefano Vecchio Ciprioti

OP38 On the Sulfur-Carbon interaction

Marie-Vanessa Coulet, Olivier Benoit, Loïc Gourmellen, Renaud Denoyel

12.50-14.00 LUNCH BREAK

AULA MAGNA, Department of Physics and Chemistry-Emilio Segrè, Edificio 18, Viale delle Scienze, *University of Palermo*

Chair: Maria Rosaria Tinè

14.00-14.30 Key Lecture (AICAT Grant): Federica D'Aria

Non-canonical DNA as a target for anticancer therapeutics: a physico-chemical approach

Federica D'Aria

14.30- 14.50 Sponsor 4: Waters- TA Instruments

Thermal Analysis of Battery Separator Film

Marco Coletti, James Browne, Hang Lau

	AULA MAGNA	AULA SEMINARI
	Oral Session I	Oral Session L
	Chair: Guy Van Assche	Chair: Alfréd Kállay-Menyhárd
14.50-15.10	OP39 A fast method to study the oxidation of vegetable oils by means of isothermal thermogravimetric analysis (TGA) *Celia Duce, Silvia Pizzimenti, Luca Bernazzani, Maria Rosaria Tinè, Ilaria Bonaduce*	OP42 Thermoporometry of carbons: problems with large mesopores and their evaluation *Gabriela Zelenková, Václav Slovák*
15.10-15.30	OP40 Composite nanofluids prepared by atomic layer deposition *Imre Miklós Szilágyi, Marcell Bohus, Zalán István Várady, Thong Le Ba*	OP43 Thermodynamic Stability of Six Organochlorine Compounds *Ana Almeida, Bruno Pinheiro, Manuel Monte*
15.30-15.50	OP41 Application of Thermal Analysis Techniques in Polymer Recycling *Dimitris S. Achilias, Mohammad Nahid Siddiqui, Halim Hamid Redhwi*	OP44 Energy effects of alkyl substituents on cinnamate derivatives *Vera L. S. Freitas, Carlos A. O. Silva, Maria D. M. C. Ribeiro da Silva*

15.50-16.10 COFFEE BREAK

	AULA MAGNA	AULA SEMINARI
	Oral Session M	Oral Session N
	Chair: Dimitris S. Achilias	Chair: Imre Miklós Szilágyi
16.10-16.30	OP45 Pyrolysis of coffee and tea wastes *Madhav P. Chavhan, Vaclav Slovak*	OP48 Towards sustainability: Exploring the thermal properties of vanillic acid-based polyesters *Eleftheria Xanthopoulou, Zoi Terzopoulou, Alexandra Zamboulis, Nathanaël Guigo, Nicolas Sbirrazzuoli, George Z. Papageorgiou and Dimitrios N. Bikiaris*
16.30-16.50	OP46 Thermodynamics vs kinetics of enzymatic activity: DSC investigation on an	OP49 Thermal analysis studies of reversible polymer networks

	enantioselective Bacillus coagulans carboxylesterase *Francesca Saitta, Pietro Cannazza, Silvia Donzella, Valerio De Vitis, Marco Signorelli, Diego Romano, Francesco Molinari, Dimitrios Fessas*	*Ali Safaei, Joost Brancart, Bram Vanderborght, Guy van Assche*
16.50-17.10	OP47 The effect of polysaccharides and nano-additives on the selected thermal properties of polyurethane-based biomaterials *Kinga Pielichowska, Natalia Paprota, Klaudia Ordon, Piotr Szatkowski*	OP50 Thermal characterization and local electrical mapping of 3D printed self-responsive polymers *Francesca Aliberti, Marialuigia Raimondo, Raffaele Longo, Roberto Pantani, Luigi Vertuccio, Andrea Sorrentino, Liberata Guadagno*
17.10-18.10	POSTER SESSION 2	
20.00- 23.00	CONFERENCE DINNER	

Day 4 Thursday, the 22nd of September

AULA MAGNA, Department of Physics and Chemistry-Emilio Segrè,

Edificio 18, Viale delle Scienze, *University of Palermo*

Chair: Juan José Suñol

9.10 - 9.50 *Criado Award:* ***Mike Reading***

Local Thermal analysis

Mike Reading

AULA MAGNA

Oral Session O

Chair: Juan José Suñol

9.50 – 10.10 OP51 Thermal and thermodynamic stability of hybrid lead iodide perovskites

Alessio Luongo, Riccardo Panetta, Maria Luisa Mele, Bruno Brunetti, Stefano Vecchio Ciprioti, Andrea Ciccioli and Alessandro Latini

10.10 – 10.30 OP52 Crystal growth and viscosity in Ge-Se chalcogenide glass-forming materials prepared in different forms

Jaroslav Barták, Michaela Včeláková, Petr Koštál, Michal Kurka

10.30-10.50 OP53 Thermal analysis and nanometric mechanical map of electrospun membranes loaded with Fe3O4 nanoparticles

Raffaele Longo, R. Pantani, V. Speranza, M. Raimondo, L. Guadagno

10.50-11.10 COFFEE BREAK

AULA MAGNA, Department of Physics and Chemistry-Emilio Segrè,

Edificio 18, Viale delle Scienze, *University of Palermo*

Chair: Peter Simon

11.10 – 11.50 *David Dollimore ESTAC Award:* ***Jaroslav Šesták***

Quo Vadis Thermal Analysis

Jaroslav Šesták

AULA MAGNA

Oral Session P

Chair: Konstantinos Chrissafis

11.50-12.10 OP54 Thermal behaviour and Evaluation of Antibacterial Properties of Quercetin-PEG-Silica Hybrid Materials

Michelina Catauro, Antonio D'Angelo, Vincenzo Arconati, Alessandro Latini, Stefano Vecchio Ciprioti

12.10-12.30 OP55 Thermo – mechanical Characterization of Epoxy Resin Formulations containing Recycled Thermoplastic Matrices: A Cradle – to – Cradle strategy

Lorena Saitta, Claudio Tosto, Giuliana Rizzo, Ignazio Blanco, and Gianluca Cicala

12.30-12.50 OP56 Comparison of water and benzene as probe liquids in thermoporometry of mesoporous carbons

Lucie Korena, Vaclav Slovak

12.50-13.10 Sponsor 5: HITACHI

See what is really happening within your furnace

Olivier SAVARD, Natsuki Morita

13.10 – 14.20 LUNCH BREAK

AULA MAGNA, Department of Physics and Chemistry-Emilio Segrè, Edificio 18, Viale delle Scienze, *University of Palermo*

Chair: Nobuyoshi Koga

14.20-15.00 *Rigaku ICTAC Award*: *Maria Chountoulesi*

Utilization of Thermal Analysis to the evaluation of lyotropic lipidic liquid crystalline nanostructures intended for drug delivery applications

Maria Chountoulesi, Diego Romano Perinelli, Aleksander Forys, Natassa Pippa, Varvara Chrysostomou, Giulia Bonacucina, Barbara Trzebicka, Stergios Pispas, Costas Demetzos

15.00-15.30 CLOSING CEREMONY

POSTER SESSION 1 Tuesday, the 20th of September

NUMBER	AUTHOR	TITLE
PP01	Andrei Rotaru	Thermodynamic and kinetic study of caffeine adsorption on activated carbon prepared from apple-wood *Oleg Petuhov, Nina Ţîmbaliuc, Tudor Lupaşcu, Andrei Rotaru*
PP02	*Dimitris Achilias*	Preparation and thermal analysis of nanocomposite blends based on PET and PLA with several amounts of different nanoclays *Maria-Paraskevi Belioka, Dimitris S. Achilias*
PP03	*Maria Pura Alfonso Abella*	Reuse of kaolinitic materials from several bauxite mines of Catalonia, Spain *Arnau Martinez1, Maite Garcia-Valles2, Pura Alfonso*
PP04	*Maria Pura Alfonso Abella*	The use of borax to gold recovery in artisanal mining: Thermal considerations *Karla Villegas, Pura Alfonso, Guillem Bel, Maite Garcia-Valles*
PP05	*Tadashi Arii*	Thermal behavior of biodegradable plastics using multiple analytical data provided by unique thermal analyzers *Lani Llego Celiz, Tadashi Arii*
PP06	*Tadashi Arii*	Thermal characterization of biodegradable plastics via unique hyphenated thermal analysis methods *Lani Llego Celiz, Tadashi Arii*
PP07	*Evangelia Balla*	Fabrication and characterization of PLA-PEAd nanofibers patches *Evangelia Balla, Maria Lazaridou, Evi Christodoulou, Christina Samiotaki, Ioanna Koumentakou, Dimitrios Bikiaris*
PP08	*Jaroslav Bartak*	Surface tension in chalcogenide undercooled melts and melts studied by surface structure flattening and drop analysis *Jaroslav Barták, Michaela Včeláková, Petr Pilý*
PP09	*Marcin Biegun*	Thermal analysis of ammonium nitrate systems containing humic acids as a potential assessment tool of mixtures for fertilizer purposes *Dominik Nieweś, Marcin Biegun, Maciej Kaniewski, Kinga Marecka, Piotr Owsiak, Jakub Zieliński, Marta Huculak-Mączka*
PP10	*Nikolaos Bikiaris*	Synthesis and Thermal Evaluation Of PPR Composites With Silicon Dioxide Nanoparticles Reinforcing Agents *Nikolaos D. Bikiaris, Evangelia Delli, Eleftheria Xanthopoulou, Kostantinos Chrissafis, George Z. Papageorgiou*
PP11	*Yolanda Calventus*	Enthalpy relaxation using Thiol-Epoxy Systems as Shape Memory Polymers *Yolanda Calventus, Frida Roman, John M. Hutchinson, Xavier Fernández-Francos*
PP12	*Éder Cavalheiro*	Thermal behavior and structural studies of non-steroidal anti-inflammatories mefenamic acid and sodium meclofenate *Ricardo S. Medeiros, Ana P.G. Ferreira, Éder T.G. Cavalheiro*
PP13	*Éder Cavalheiro*	Studies of thermal behaviour of sildenafil citrate *Nascimento, F. V. B, Ferreira, A. P. G, Cavalheiro, E. T. G*
PP14	*Nataša Čelan Korošin*	An efficient approach to studying the thermal decomposition of a variety of materials by combining TGA–IST16–GC/MS and TG–MS techniques *Nataša Čelan Korošin*
PP15	*Leonardo Chiappisi*	PSCM: The partnership for soft condensed matter at the Institut Laue-Langevin and the European Synchrotron radiation facility. *Leonardo Chiappisi*
PP16	*Yirac Choi*	Thermal Hazard and Kinetic Study of 2-Chloro-N-(Cyano-2-thienyl methyl acetamide) *Yirac Choi, Ousup Han, Donghyun Seo*
PP17	*Konstantinos Chrissafis*	Enhancing the thermal and mechanical properties of glass fiber reinforced PPR using a compatibilizer

		Evangelia Delli, Dimitrios Gkiliopoulos, Dimitrios Bikiaris, Konstantinos Chrissafis
PP18	*Konstantinos Chrissafis*	Effect of ball milling time on thermal properties of selenide compounds *Evangelia Tarani, Dimitrios Stathokostopoulos, Dimitris Karfaridis, L. Malletzidou, Ioanna K. Sfampa, Fani Stergioudi, Nikolaos Michailidis, Konstantinos Chrissafis, George Vourlias*
PP19	*Iouliana Chrysafi*	Thermal study of UF, PF resins, and Hemp for the construction of Hemp-Based Panels *Iouliana Chrysafi, Electra Papadopoulou, Dimitrios N. Bikiaris*
PP20	*Zuzana Cibulková*	Effect of lignin and calcium lignosulfonate on the thermooxidative stability of NBR studied by non-isothermal DSC *Zuzana Cibulková, Peter Šimon, Tibor Dubaj, Ján Kruželák*
PP21	*Denisa Circioban*	Stability evaluation and kinetic study for the atypical antidepressant opipramol *Denisa Cîrcioban, Gabriela Vlase, Ionuț Ledeți, Titus Vlase, Gerlinde Rusu, Adriana Ledeți*
PP22	*Denisa Circioban*	Preparation and physicochemical analysis for cyclodextrin-mirtazapine inclusion complexes *Denisa Cîrcioban, Gabriela Vlase, Laura Sbârcea, Ionuț Ledeți, Titus Vlase, Gerlinde Rusu, Renata Vărut, Adriana Ledeți*
PP23	*Tadas Dambrauskas*	Formation and Thermal Stability of Calcium Silicate Hydrate Formed in CaO-SiO2-Cu(NO3)2-H2O System *Tadas Dambrauskas, Egle Bobinaite, Kestutis Baltakys, Anatolijus Eisinas*
PP24	*Valentina De Carolis*	Melt Stabilization of 3D printed recycled PLA by charcoal *Valentina De Carolis, Maria Rosaria Acocella, Gaetano Guerra, Daniela Fico, Daniela Rizzo, Alfonso Maffezzoli, Carola Esposito Corcione*
PP25	*Evangelia Delli*	Thermal properties of silica and clay reinforced random polypropylene *Evangelia Delli, Dimitrios Giliopoulos, Dimitrios N. Bikiaris, Konstantinos Chrissafis*
PP26	*Evangelia Delli*	Enhanced thermal stability of CrSi2 with Al-doped synthesized by pack cementation process for high temperature applications *Alexandros Chatzikantis, Dimitrios Stathokostopoulos, Evangelia Tarani, Evangelia Delli, Konstantinos Chrissafis, George Vourlias*
PP27	*Fernando Fertonani*	Solid-state Pt-Rh/Hg/Cu reactions: a thermal investigation *José Ricardo Turquetti; Tony Rogério Lima Dadamos; Ieda Ap. Pastre; Assis Vicente Benedetti; Fernando Luís Fertonani*
PP28	*Fernando Fertonani*	Thermal and electrochemical studies of the interaction of organophilic montmorillonite and chlorpyrifos *Caroline Polini Lupi, Antonio Ap. Pupim Ferreira, Filipe Corrêa Guizellini, Iêda Aparecida Pastre, Hideko Yamanaka, Fernando Luis Fertonani*
PP29	*Maite Garcia-Valles*	Characterizarion of illitic materials from the Collsuspina quarry Catalonia, Spain. *Xavier Sabaté, Maite Garcia-Valles, Nor Sidki-Ríus, Pura Alfonso*
PP30	*Inga Gedeikė*	Reuse of synthetic CSH-Cr for Cu2+, Co2+ or Cr3+ ions adsorption at 25°C *Inga Gedeike, Kestutis Baltakys, Anatolijus Eisinas*
PP31	*Maciej Kaniewski*	Thermal and physicochemical characteristics of humic substances obtained from selected organic raw materials *Marta Huculak-Mączka, Maciej Kaniewski, Kinga Marecka, Marcin Biegun, Magdalena Tymoszewicz, Ewelina Klem-Marciniak, Dominik Nieweś, Krystyna Hoffmann*
PP32	*Theodora Kazakou*	Firing technology and mineralogical analysis of ancient ceramic female busts by combination of TG/DTG-DTA and other analytical techniques *Theodora Kazakou, Konstantinos Chrissafis*
PP33	*Eva Kinnertová*	Investigation of resorcinol-formaldehyde polycondensation by temperature modulated DSC *Eva Kinnertová, Václav Slovák*

PP34	*Nobuyoshi Koga*	Kinetics of the Thermal Dehydration of Glucose Monohydrate in the Solid State and Accompanied by Melting *Kazuki Kato, Masami Hara, Nobuyoshi Koga*
PP35	*Bilyana Kostova*	Thermal and phase investigation of late antique ceramic from Bulgaria *Bilyana Kostova, Boyan Dumanov, Zhivko Uzunov, Ventseslav Stoyanov*
PP36	*Bilyana Kostova*	Thermal and phase analysis of Roman and Late Antiquity mortars from Bulgarian archaeological sites *Bilyana Kostova, Boyan Dumanov, Ventseslav Stoyanov*
PP37	*Ioanna Koumentakou*	Development of antimicrobial patches based on chitosan for the skin treatment using 3D-printing technology *Ioanna Koumentakou, Zoe Terzopoulou, Anna Michopoulou, Dimitrios N. Bikiaris*
PP38	*Dimitra Kourtidou*	Thermal and mechanical behavior of PVC nanocomposites reinforced with various nanofillers *Dimitra Kourtidou, Eleftheria Xanthopoulou, Dimitrios N. Bikiaris, Konstantinos Chrissafis*
PP39	*Dana Kubatova*	Effect of waste glass content on resistance of geopolymer binders to sulfuric acid attack *Dana Kubátová, Anežka Zezulová, Ingrid Khongová, Michaela Krejčí Kotlánová, Martin Boháč*
PP40	*Jiri Kucerik*	Influence of soil pretreatment on soil thermogravimetric analysis *Jiri Kucerik, Martin Brtnický, Lucia Ragačová, Qudsia Saeed*
PP41	*Christina Kyriakou Tziamtzi*	Crosslinking Kinetics of a Commercial Epoxy Accounting for Diffusion-Control *Christina Kyriakou Tziamtzi, Konstantinos Chrissafis*
PP42	*Maria Lazaridou*	Physicochemical characterization of poly(lactic acid)/poly(ethylene 3,3-dithiodiproprionate) blends as materials for electrospun nanofiber patches for drug delivery applications *Maria Lazaridou, Eleni Barba, Panagiotis Klonos, Dimitrios N. Bikiaris*
PP43	*Maria Lazaridou*	Effect of fiber length and content on the thermomechanical properties of random Polypropylene /glass fiber composites *Maria Lazaridou, Evangelia Delli, Dimitrios Gkiliopoulos, Dimitrios Bikiaris, Konstantinos Chrissafis*
PP44	*Adriana Ledeti*	Encapsulation of olmesartan medoxomil by cyclodextrins: physicochemical and molecular modeling studies *Bianca Baul, Laura Sbârcea, Adriana Ledeți, Denisa Cîrcioban, Valentina Buda, Gerlinde Rus, Paul Barvinschi, Renata-Maria Văruţ, Cristina Trandafirescu, Francisc Peter, Ionuț Ledeți*
PP45	*Adriana Ledeti*	Host-guest interactions and formation of ternary inclusion complexes - naproxen:omeprazole:cyclodextrins *Lenuța-Maria Șuta, Amalia Ridiche, Adriana Ledeți, Lavinia Stelea, Denisa Cîrcioban, Gabriela Vlase, Daniela Stoin, Laura Sbârcea, Titus Vlase, Laurian Vlase, Ionuț Ledeți*
PP46	*Jorge Macridachis*	Authentication of Iberian pig categories through polymorphic fingerprint *Laura Bayés-García, Eduard Colomer-Llombart, Mercedes Aguilar-Jiménez, Jorge Macridachis, Teresa Calvet*
PP47	*Tomasz Majka*	Large scale synthesis of polyhydroxybutyrate [P(3HB)], preparation and thermal characterization of UV-aged P(3HB)/ β-tricalcium phosphate composites *Tomasz M. Majka, Krzysztof Pielichowski, Konstantinos N Raftopoulos, Maciej Guzik, Adam Szeligowski, Tomasz Witko, Olga Zastawny, Adam Kaczmarski, Anna Ślósarczyk, Aneta Zima, Ewelina Cichoń, Szymon Skibiński, Joanna Czechowska*

PP48	*Lamprini Malletzidou*	Study of the thermal and mechanical properties of recycled HDPE enhanced with hemp fibers for wood-plastic composites *Iouliana Chrysafi, Eleftheria Xanthopoulou, Lamprini Malletzidou, Alexandra Zampoulis, Dimitrios N. Bikiaris*
PP49	*Lamprini Malletzidou*	Consumed by flames: Following the thermal degradation of wall-paintings effected by fire *Lamprini Malletzidou, Triantafyllia T. Zorba, Dimitrios Karfaridis, Konstantinos Chrissafis, George Vourlias, Konstantinos M. Paraskevopoulos*
PP50	*Marta M. Mato*	Bactericidal Action of Titanium tetrachloride. Potential Implications in Orthopaedic Surgery. *R. Aveledo, A. Aveledo, N. Lago, Marta. M. Mato, J. L. Legido*
PP51	*Marta M. Mato*	Study on Excess Molar Enthalpies of Ternary Mixtures Containing gasoline additives. *Pedro V. Verdes, Marta M. Mato, José Luis Legido, M. I. Paz Andrade*
PP52	*Luciano Rais*	Thermoanalytical Studie of Meclocycline Sulfosalicylate *De Freitas, J, Rais, L.C.R., Ferreira, A.P.G, Cavalheiro, E.T.G*
PP53	Jaroslav Šesták	Books show on thermophysical research of materials in the Springer series 'Hot topic of thermal analysis' *Jaroslav Šesták, Peter Šimon*
PP54	Jaroslav Šesták	Geopolymers considered as hypocrystalline materials with an associated mers-framework: a short appraisal *Jaroslav Šesták, Tomáš Kovaří1, Robert Černý*
PP55	*Ralf Zimmermann*	Thermal analysis hyphenated to modern high-end mass spectrometric technologies – What we can gain *Ralf Zimmermann, Christopher Rüger, Lukas Friederici, Eric Schneider, Arne Koch, Sven Ehlert, Thorsten Streibel*

POSTER SESSION 2 **Wednesday, the 21st of September**

NUMBER	AUTHOR	TITLE
PP56	Stéphan Moreau SETARAM	Thermal analysis, calorimetry and manometry for hydrogen development *Gaelle Lebourleux, Stéphan Moreau*
PP57	Francesca Aliberti	Thermal investigation of ballistic self-healing capability of polymeric materials *Francesca Aliberti, Luigi Vertuccio, Raffaele Longo, Marialuigia Raimondo, Michelina Catauro, Roberto Pantani, Liberata Guadagno*
PP58	Ignazio Blanco	Modified POSS nanoparticles for the stabilization of styrene-isoprene-styrene triblock copolymer *Ignazio Blanco, Traian Zaharescu, Marius Maris, Mihaela Maris, Francesco A. Bottino*
PP59	Ignazio Blanco	Metakaolin(MK)-based geopolymers filled with volcanic fly ashes: spectroscopic and thermo-mechanical characterizations *Ignazio Blanco, Claudio Tosto, Antonio D'Angelo, Vincenzo Arconati, Michela Catauro*
PP60	Elisa Calabrese	Thermal and electrical characterization of polyester resins suitable for electric motor insulation *Elisa Calabrese, Marialuigia Raimondo, Michelina Catauro, Patrizia Lamberti, Vincenzo Tucci, Liberata Guadagno*
PP61	Elisa Calabrese	Thermal and mechanical investigation of UPy based copolymers *Elisa Calabrese, Liberata Guadagno, Marialuigia Raimondo, Andrea Sorrentino, Simona Russo, Pasquale Longo, Annaluisa Mariconda*
PP62	Anna Cardinale	O_Thermal behaviour in the R-Al-Si ternary systems (R: Gd and Dy) – an experimental study *Anna Maria Cardinale, Nadia Parodi, Enrico Puzo*
PP63	Raffaele Longo	Thermal analysis of coaxial electrospun membranes for biomedical applications *R. Longo, M. Catauro, L. Vertuccio, M. Raimondo, L. Guadagno*
PP64	*Ionut-Valentin Ledeti*	Encapsulation of tangerine and grapefruit oils in host-guest inclusion complexes with cyclodextrins *Claudia Olteanu, Denisa Cîrcioban, Amalia Ridiche, Adriana Ledeți, Gabriela Vlase, Laura Sbârcea, Cristina Trandafirescu, Valentina Buda, Germaine Săvoiu, Ionuț Ledeți*
PP65	*George Matta*	Thermal behaviour of Bituminized Waste Products *Georges Matta, Nicolas Courtois, Jean-Baptiste Champenois, Stéphane Perrin, Nicolas Sbirrazzuoli*
PP66	Igor Medved	Kinetic Analysis of the Formation of High-temperature Phases in Illitic Clay and CaCO3 Mixtures *Anton Trník, Tibor Kovács, Igor Medved*
PP67	Georgia Michailidou	Characterisation Of Extracted Olive-Tree By-products And Its Application For Wood-Based Panels *G. Michailidou, T. Asimakidou, E. Papadopoulou, K. Chrissafis, D. Bikiaris*
PP68	Riko Ozao	Topics and Trends in Thermoanalytical Approaches in Environment-Conscious Materials- Study based on Eco-MCPS, a Web-database for Eco-Materials and Related Products *Riko Ozao*
PP69	Maria Paciulli	Influence of formulation, process and storage conditions on the thermal and physical properties of hazelnut spreads *Maria Paciulli, Massimiliano Rinaldi, Emma Chiavaro*

PP70	Lazaros Papadopoulos	Biobased Epoxy Systems Derived from Adipic Acid: Synthesis and Characterization *L. Papadopoulos, Alexandra Zamboulis, Christina Kyriakou-Tziamtzi, S. Tsompanidis, N. Athanasopoulos, Electra Papadopoulou, Konstantinos Chrissafis and Dimitrios N. Bikiaris*
PP71	Luis A. Pérez Maqueda	Seville history insight through their construction mortars *José Luis Pérez-Rodríguez, Luis Pérez-Maqueda, María Luisa Franquelo, Adrián Durán*
PP72	Chiara Pelosi	Evaluation of thermal and morphological properties of alkali-activated materials made by sicilian volcanic precursors. *Chiara Pelosi, Anna Lluveras-Tenorio, Roberta Occhipinti, Claudio Finocchiaro, Stefano Pagnotta, Elena Pulidori, Rita Carosi, Gabriele Lanzafame, Germana Barone, Paolo Mazzoleni, Marco Lezzerini, Maria R. Tiné*
PP73	Vilma Petkova	Effect of mineral additives on phase formation and thermal properties of white cement mortars *Vilma Petkova, Ventseslav Stoyanov, Bilyana Kostova*
PP74	Vilma Petkova	Effect of high energy ball-milling on the structural and thermal properties of bi-phase calcium phosphate ceramic *V. Petkova, R. Titorenkova, V. V. Kostov-Kytin, E. Duylgerova*
PP75	Kinga Pielichowska	Thermal analysis of thermochromic phase change materials for thermal energy storage *Kinga Pielichowska, Natalia Paprota*
PP76	Maria Luigia Raimondo	Influence of carbon nanofiber heat treatment on thermal, mechanical, and electrical properties of structural epoxy resins *Marialuigia Raimondo, Carlo Naddeo, Liberata Guadagno*
PP77	Maria Luigia Raimondo	Thermal properties of non-covalently functionalized graphene nanosheets and carbon nanotubes for advanced composites *Marialuigia Raimondo, Carlo Naddeo, Luigi Vertuccio, Liberata Guadagno*
PP78	Thomaz Guisard Restivo	Sintering of Metallic Diamond Alloy Powders *Thomaz Guisard Restivo, Raphael Nonato, Rossana Figueira, Alexandre Belchior, Odirlei Ferreira, Claudio Padovani, Norberto Aranha, Cecilia Guedes e Silva, Michelangelo Durazzo*
PP79	Rizos Bikiaris	Modified chitosan/oxidized-dextran hydrogel was synthesized for wound healing and haemostatic properties. *Rizos Bikiaris, Ioanna Koumentakou, George Z. Papageorgiou*
PP80	Dovile Rubinaite	Two-stage approach for the synthesis of ye`elimite *Dovile Rubinaite, Tadas Dambrauskas, Kestutis Baltakys, Raimundas Siauciunas*
PP81	Przemysław Rybiński	Influence of lignocellulose filler on reduce amount of toxic gases, dioxins, polycyclic aromatic hydrocarbons and smoke in the gaseous thermal decomposition products emitted during decomposition of SBR composites. *Przemysław Rybiński, Arkadiusz Głowacki, Adam Gawlik, Jakub Zamachowski*
PP82	Przemysław Rybiński	Pro-ecological door seals from ceramifiable composites of silicone rubber *Przemysław Rybiński, Arkadiusz Głowacki, Adam Gawlik, Jakub Zamachowski*
PP83	Francesca Saitta	Influence of amylose/amylopectin ratio on wheat dough properties *Francesca Saitta, Davide Emide, Chiara Magni, Gaetano Cardone, Ermelinda Botticella, Domenico Lafiandra, Francesco Sestili, Alessandra Marti, Stefania Iametti, Dimitrios Fessas, Alberto Barbiroli*
PP84	Jana Shánělová	Relaxation behavior of Ge25Se75 and As20Se80 studied by DSC *Pavla Honcová, Michaela Včeláková, Jana Shánělová*
PP85	Raimundas Siauciunas	Synthesis of calcium silicates curing in the CO2 environment *Raimundas Siauciunas , Laurynas Mažukna, Edita Prichockienė, Zenonas Valančius*
PP86	Justyna Sułowska	Thermal and structural characterization of sulfur-bearing silicate–phosphate glasses *Justyna Sułowska, Wiktoria Wójcik, Anna Berezicka, Magdalena Szumera*

PP87	Juan José Suñol	Thermal analysis of Fe based soft magnetic alloys *Jason Daza, Wael Ben Mbarek, Lluisa Escoda, Joan Saurina, Joan-Josep Suñol*
PP88	Juan José Suñol	Phase diagrams of magnetic alloys: influence of composition and processing *Jason Daza, Wael Ben Mbarek, Lluisa Escoda, Joan Saurina, Joan-Josep Suñol*
PP89	Bogdan Szczygieł	Improving the corrosion resistance of 316L steel in the environment of body fluids with the use of SiO2, ZrO2 and Y2O3 ceramic coatings obtained by the sol-gel method *Bogdan Szczygieł, Anna Mazur-Nowacka*
PP90	Irena Szczygieł	New solid solutions and phase equilibria in the subsolidus region of CaO–Nd2O3–Nb2O5 ternary system *Irena Szczygieł, Bożena Pilarek*
PP91	Piotr Szatkowski	PU foams as PCM scaffolds for biomedical applications *Piotr Szatkowski, Katarzyna Suchorowiec, Martyna Szatkowska, Kinga Pielichowska*
PP92	Piotr Szatkowski	Dynamic mechanical analysis and mechanical properties of a PU-based functional composite with PCM *Piotr Szatkowski, Katarzyna Suchorowiec, Martyna Szatkowska, Kinga Pielichowska*
PP93	Magdalena Szumera	Thermal and spectroscopic investigation of glasses from SiO2-P2O5-K2O-CaO-Fe2O3 and SiO2-P2O5-K2O-CaO-Co2O3 systems *Magdalena Szumera, Anna Berezicka, Justyna Sułowska, Sara Krzyżyk, Martyna Kępka*
PP94	Magdalena Szumera	Lightweight clay aggregate fired without thermal expansion *Magdalena Szumera, Sebastian Prewendowski, Wojciech Panna, Wiesław Juda*
PP95	Evangelia Tarani	Study of thermal degradation of olive stone residue *Polina Asimakidou, Evangelia Tarani, Konstantinos Chrissafis*
PP96	Zoe Terzopoulou	Functionalized and characterization of PLA–co-TEHA composite patches with antimicrobial surface for skin treatment *Zoe Terzopoulou, Ioanna Koumentakou, Anna Michopoulou, Dimitrios N. Bikiaris*
PP97	José Luis F. Tobar	Study of the thermal properties of mixtures of bentonite + Tetraselmis sp + seawater and distilled water *J.L. F. Tobar, C.P. Gómez, M.M. Mato, M.L. Mourelle, J.L. Legido*
PP98	Svetla Todinova	Alterations of thermodynamic features of blood plasma from women with preeclampsia *Avgustina Danailova, Ina Gyosheva, Regina Komsa-Penkova, Sashka Krumova, Lidia Gartcheva, Emil Gartchev, Kamelia Kercheva, Alexey Savov, Svetla Todinova*
PP99	Anton Trnik	The Crystallization of Anorthite in a System of Illitic Clay and Wollastonite Mixtures *Tibor Kovács, Martin Keppert, Vojtěch Pommer, Anton Trník*
PP100	Michaela Vcelakova	Amorphous chalcogenides: comparison of viscosity behaviour in thin films and bulks *Michaela Včeláková, Jaroslav Barták, Pavla Honcová*
PP101	Luigi Vertuccio	Curing kinetics of epoxy-amine resin filled with functionalized carbon nanotubes *Luigi Vertuccio, Michelina Catauro, Anna Maria Piccirillo, Raimondo Marialuigia, Liberata Guadagno*
PP102	Dmytro Vlasyuk	Thermal characterization of lanthanide(III) complexes with quinoline-2,4-dicarboxylic acid and their hybrid material based on BPA.DA-NVP polymer matrix. *Dmytro Vlasyuk, Renata Łyszczek, Halina Głuchowska, Beata Podkościelna*
PP103	George Vourlias	Thermal Study and Characterization Analysis of Hemp Agricultural Waste for Wood-Based Products

		Lamprini Malletzidou, Polina Asimakidou, Electra Papadopoulou, George Vourlias, Konstantinos Chrissafis
PP104	George Vourlias	Enhanced thermal performance of selenide compounds synthesized by pack cementation process *Evangelia Tarani, Dimitrios Stathokostopoulos, Lamprini Malletzidou, Ioanna K. Sfampa, Fani Stergioudi, Nikolaos Michailidis, Konstantinos Chrissafis, George Vourlias*
PP105	Eleftheria Xanthopoulou	The effect of adipic acid on the synthesis and characterization of biobased unsaturated polyester resins *E. Xanthopoulou, L. Papadopoulos, A. Zamboulis, C. Tziamtzi-Kyriakou, N. Athanasopoulos, S. Tsompanidis, E. Papadopoulou, K. Chrissafis and D. N. Bikiaris*
PP106	Traian Zaharescu	Thermal and radiation stability of POSS by the presence of hydrocarbon substituents *Traian Zaharescu, Marius Mariş, Ignazio Blanco, Mihaela Mariş*
PP107	Traian Zaharescu	The contribution of silica nanoparticles to the stability of SIS *Traian Zaharescu, Marius Mariş, Ignazio Blanco, Mihaela Mariş*
PP108	Alexandra Zamboulis	Evaluation of Poly(glycolic-co-lactic acid)/Poly(ethylene adipic acid) Copolymers for the Delivery of Paclitaxel *A. Zamboulis, E. Christodoulou, K. Tsachouridis, D. N. Bikiaris*
PP109	Anezka Zezulova	Chemically bonded phosphate ceramics with incorporation of barium ions *Anežka Zezulová, Matěj Dzurov, Martin T. Palou, Martin Boháč, Theodor Staněk, Dana Kubátová, Michaela Krejčí Kotlánová, Ingrid Khongová*
PP110	Vincenzo Arconati	Thermal behaviour study and evaluation of antibacterial properties of Mg-Al based layered double hydroxide (LDH) for biomedical uses *Michelina Catauro, Vincenzo Arconati, Anna Maria Cardinale, Marco Fortunato, Stefano Vecchio Ciprioti*
PP111	Iryna Kovinchuk	Thermogravimetric study of PE films containing TiO2, MnO2 photocatalysts and their composites Iryna Kovinchuk, Nadiia Haiuk, Giuseppe Lazzara, Giuseppe Cavallaro, Georgii Sokolsky
PP112	Nina Maria Ainali	Preparation and study of fully biodegradable composite materials based on poly(ethylene succinate) and hemp fibers *Nina Maria Ainali, Eleftheria Xanthopoulou, Iouliana Chrysafi, Alexandra Zamboulis, Electra Papadopoulou, Dimitrios N. Bikiaris*