

2nd Journal of Thermal Analysis and Calorimetry Conference (2nd JTACC+V4 2019)

June 18–21, 2019 Budapest, Hungary / Danubius Hotel Helia

POSTERS BY TOPICS

Bio sciences, including food, soil, textile, wood

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Bannach	Gilbert	BRAZIL	210	Glycerol-starch hydrogel synthesized by microwave to improve curcumin solubility in water.	Bannach, Gilbert; Alarcon, Rafael T.; Gaglieri, Caroline; Oliveira, Arthur R.; Carneiro, Victória R. A.	Tuesday, June 18	6:30 PM - 7:00 PM	1
Bisinella	Radla , Z.B.	BRAZIL	771	Organic red rice starch: double physical modification	Bisinella, Radla , Z.B.; De Oliveira, Cristina, S.; Bet, Camila, D.; Lemes, Bárbara, M; Beninca, Cleoci; Schnitzler, Egon	Tuesday, June 18	7:00 PM - 7:30 PM	1
Bisinella	Radla , Z.B.	BRAZIL	412	Dual modification by phosphating and ball-milling in pinhão starch, a study of its thermal, structural and morphological properties	Bisinella, Radla , Z.B.; Beninca, Cleoci; Bet, Camila; De Oliveira, Cristina, S.; Schnitzler, Egon	Tuesday, June 18	6:30 PM - 7:00 PM	3
Čelan Korošič	Nataša	SLOVENIA	246	Study of the pyrolytic characteristics of meat and bone meal	Čelan Korošič, Nataša; Zupancič, Marija	Tuesday, June 18	6:30 PM - 7:00 PM	4
Chrissafis	Konstantinos	GREECE	574	Effect of two types of initiators on the thermal properties of unsaturated polyester resins	Chrissafis, Konstantinos; Patsiaoura, Dimitra; Papadopoulos, Lazaros; Tarani, Evangelia; Bikiaris, Dimitrios N.; Markessini, Charles; Papadopoulou, Electra	Tuesday, June 18	6:30 PM - 7:00 PM	5

Ferreira de Jesus	Jany Hellen	BRAZIL	780	Thermal behavior of some food antioxidants	Ferreira de Jesus, Jany Hellen; Cavalheiro, Éder T G; Ferreira, Ana Paula G; Szilágyi, Imre M	Tuesday, June 18	6:30 PM - 7:00 PM	6
Grzelczyk	Joanna	POLAND	259	Evaluation of antidiabetic effects of bioactive isolates from various coffee extracts through binding with PPAR-Y	Grzelczyk, Joanna	Tuesday, June 18	7:00 PM - 7:30 PM	6
Grzelczyk	Joanna	POLAND	217	Evaluation of affinity of isoflavones from fermented Chickpea & Red Clover sprouts to actin by isothermal titration calorimetry	Grzelczyk, Joanna; Budryn, Grażyna; Klewicka, Elżbieta	Tuesday, June 18	6:30 PM - 7:00 PM	8
Hnilička	František	CZECH REPUBLIC	54	Combustion calorimetry and its use in stress physiology of plants	Hnilička, František; Helena, Hniličková; Kukla, Ján; Kuklová, Margita	Tuesday, June 18	6:30 PM - 7:00 PM	9
Kawai	Kiyoshi	JAPAN	336	Freeze-concentrated glass-like transition temperature of carbohydrate-phosphate buffered saline systems	Kawai, Kiyoshi; Yamamoto, Yukino; Mikajiri, Shuto; Hagura, Yoshio	Tuesday, June 18	7:00 PM - 7:30 PM	7
Kawai	Kiyoshi	JAPAN	324	Glass transition temperature of deep-fried food characterized by thermomechanical analysis	Kawai, Kiyoshi; Jothi, Jakia Sultana; Le, Trinh Ngoc Dang; Hagura, Yoshio	Tuesday, June 18	6:30 PM - 7:00 PM	11
Lacerda	Luiz Gustavo	BRAZIL	384	Thermal, structural and mechanical properties of fiber reinforced biodegradable films using different methods of starch extraction	Lacerda, Luiz Gustavo; Brito, Jessica Hoffmann; Barretti, Bárbara Ruivo Válio; de Almeida, Vanessa Soltes; Pinheiro, Luis Antonio; Demiate, Ivo Mottin; Laidane, Luiz Gustavo; Costa, Marcela	Tuesday, June 18	6:30 PM - 7:00 PM	12
Lacerda	Luiz Gustavo	BRAZIL	378	Physicochemical properties of native and waxy maize starches under heat-moisture and organic acids treatments	Bárbara Ruivo Válio Barretti, Vanessa Soltes de Almeida, Cleoci Beninca, Vanessa Parise Chagury, Ivo Mottin Demiate, Egon Schnitzler, Eduardo Bittencourt Sydney, Luiz Gustavo	Tuesday, June 18	7:00 PM - 7:30 PM	3

Lőrinczy	Dénes	HUNGARY	195	Investigation of side effects in polyneuropathy by DSC caused by cyclophosphamide treatment	Lőrinczy, Dénes; Farkas, Péter; Könczöl, Franciska	Tuesday, June 18	6:30 PM - 7:00 PM	13
Michnik	Anna	POLAND	139	Changes in blood serum thermal behavior during sports training enriched with biological regeneration treatments	Michnik, Anna; Pokora, Ilona; Duch, Klaudia; Sadowska Krępa, Ewa; Kielboń, Agnieszka	Tuesday, June 18	6:30 PM - 7:00 PM	14
Romko	Stephanie S	BRAZIL	978	Effect of extraction methods in oxidative stability and antioxidant potential of araçá (<i>Psidium cattleianum</i>) seed oil	Romko, Stephanie S; Moretto, Beatriz Micaela Bet; Macedo, Brendawn Alecsander; Bet, Camila Delinski; Oliveira, Cristina Soltovski; Beninca, Cleoci; Bisinella, Radla Zabian Bassetto; Schnitzler, Egon; Marinho, Marina Tolentino	Tuesday, June 18	7:00 PM - 7:30 PM	8
Romko	Stephanie S	BRAZIL	541	Thermal characterization of atemoia oil obtained by different methods	Romko, Stephanie S; Bet, Camila Delinski; Oliveira, Cristina Soltovski; Beninca, Cleoci; Marinho, Marina Tolentino; Bisinella, Radla Zabian Bassetto; Schnitzler, Egon	Tuesday, June 18	6:30 PM - 7:00 PM	16
Rotaru	Andrei	ROMANIA	637	Edible vegetable oil enriched with carotenoids extracted from the by-products of sea buckthorn (<i>Hippophae rhamnoides</i> ssp. <i>sinensis</i>). A study of some characteristic properties and the effect	Rotaru, Andrei; Corbu, Alexandru Radu; Nour, Violeta	Tuesday, June 18	6:30 PM - 7:00 PM	17
Schnitzler	Egon	BRAZIL	366	Ultrasonic modification of purple cará starch (<i>Colocasia esculenta</i> b. <i>Tini</i>): morphological, pasting and thermal properties	Schnitzler, Egon; Martins, Alana; Beninca, Cleoci; Bet, Camila Delinski; Bisinella, Radla Zabian Bassetto; Oliveira, Cristina Soltovski de	Tuesday, June 18	6:30 PM - 7:00 PM	18
Skoczowski	Andrzej	POLAND	1051	The parameters describing the heat flow from maize seeds depends on the amount and composition of microbiota	Skoczowski, Andrzej; Przemieniecki, Sebastian; Oliwa, Jakub; Kula, Monika; Stawoska, Iwona; Karpiński, Stanisław	Tuesday, June 18	6:30 PM - 7:00 PM	19

Stawoska	Iwona	POLAND	843	Application of Isothermal Calorimetry to assess the quality of humidly maize seeds treated with ozone and H2O2	Stawoska, Iwona; Skoczowski, Andrzej; Przemieniecki, Sebastian; Oliwa, Jakub; Szaleniec, Maciej; Karpiński, Stanisław	Tuesday, June 18	6:30 PM - 7:00 PM	20
Stawoska	Iwona	POLAND	840	Step by step monitoring of early stages of corn germination via Isothermal Calorimetry and FT-Raman spectroscopy	Stawoska, Iwona; Staszak, Aleksandra M.; Ciereszko, Iwona; Skoczowski, Andrzej	Wednesday, June 19	2:30 PM - 3:00 PM	1
Tarani	Evangelia	GREECE	571	Study of novel bio-based unsaturated polyester resins based on succinic acid	Tarani, Evangelia; Patsiaoura, Dimitra; Papadopoulos, Lazaros; Bikiaris, Dimitrios N.; Markessini, Charles; Papadopoulou, Electra; Chrissafis, Konstantinos	Wednesday, June 19	3:00 PM - 3:30 PM	1
Xie	Kefeng	CHINA	73	Dependence of starch gelatinization on heating rate	Xie, Kefeng; He, Yucheng; Li, Xiaoheng; Wang, Youhao; Hu, Wenbing	Wednesday, June 19	3:30 PM - 4:00 PM	1

Calorimetry

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Alekseeva	Olga	RUSSIA	142	DSC research of the polystyrene/bentonite composite films	Alekseeva, Olga V. Noskov, Andrew V.	Tuesday, June 18	7:00 PM - 7:30 PM	11
Giraldo	Liliana	COLOMBIA	670	Enthalpies of immersion in caffeine solutions of SBA-15 and amino functionalised SBA-15	Giraldo, Liliana; Correa, Yaned; Rodriguez, Paola; Moreno-Piraján, Juan C.	Wednesday, June 19	3:00 PM - 3:30 PM	2
Moreno	Juan Carlos	COLOMBIA	660	Heat of adsorption: A comparative study between the experimental determination and theoretical model using the system CH4-MOF's	Moreno, Juan Carlos; Giraldo, Liliana	Wednesday, June 19	3:30 PM - 4:00 PM	2
Nikiforova	Galina E.	RUSSIA	349	Calorimetric study of lutetium orthoniobate	Nikiforova, Galina E.; Ryumin, Mikhail A.; Khoroshilov, Andrey V.; Gavrichev, Konstantin S.	Wednesday, June 19	2:30 PM - 3:00 PM	3

Qian	Yi	CHINA	828	Preparation of Pillared Layered Antimony Hydroxide and Its Flame Retardancy in Thermoplastic Polyurethane	Qian, Yi; Qiao, Peng; Han, Haoyue; Zhao, Rongmin; Li, Long	Wednesday, June 19	3:00 PM - 3:30 PM	3
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Cements, building materials

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Chaipanich	Arnon	THAILAND	1002	Thermogravimetric analysis and phase characterizations of Portland fly ash limestone cements	Chaipanich, Arnon; Thongsomboon, Supitchaya; Chomyen, Phakin	Wednesday, June 19	3:30 PM - 4:00 PM	3
Chaipanich	Arnon	THAILAND	990	Microstructure and phase characterizations of fly ash cements by alkali activation	Chaipanich, Arnon; Thongsomboon, Supitchaya; Chomyen, Phakin	Wednesday, June 19	2:30 PM - 3:00 PM	4
Dragomirová	Janette	SLOVAKIA	1072	Optimization of cementitious composite for heavyweight concrete preparation using thermal analysis method	Dragomirová, Janette; Palou, Martin; Novotný, Radoslav; Žemlička, Matúš; Kuzielová, Eva	Wednesday, June 19	3:00 PM - 3:30 PM	4
Kuzielová	Eva	SLOVAKIA	36	Phase transformations in blended G-oil well cements	Kuzielová, Eva; Žemlička, Matúš; Másilko, Jiří; Palou, Martin	Wednesday, June 19	3:30 PM - 4:00 PM	4
Michel	Murillo	COLOMBIA	55	Fire resistance performance of concrete panels with PVC Stay-in-place formwork	Michel, Murillo; Bernardo, Tutikian; Marcos, Oliveira; Vinicius, Ortolan; Luis, Silva; Carlos, Sampaio	Wednesday, June 19	2:30 PM - 3:00 PM	5
Pacewska	Barbara	POLAND	1188	Investigations of selected aluminosilicates activity in white calcium aluminate cement hydration	Pacewska, Barbara; Nowacka, Mariola	Wednesday, June 19	3:00 PM - 3:30 PM	5
Pagacz	Joanna Michalina	POLAND	772	Application of polymers in building and construction industry	Pagacz, Joanna Michalina; Oziębło, Artur	Wednesday, June 19	3:30 PM - 4:00 PM	5

Stoyanova	Vilma Petkova	BULGARIA	879	Thermal and structural investigations of cement-based mortars with marble waste fillers	Stoyanova, Vilma Petkova; Stoyanov, Ventseslav; Kostova1, Bilyana; Zvereva, Irina; Kalinkin, Aleksander; Serafimova, Ekaterina; Tzvetanova, Yana; Pelovski, Yoncho	Wednesday, June 19	2:30 PM - 3:00 PM	6
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Ceramics, glasses

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Bochenek	Dariusz	POLAND	732	Multi-component PZT ceramics obtained by mechanochemical activation and classical technology	Bochenek, Dariusz; Niemiec, Przemysław; Szafraniak-Wiza, Izabela; Dercz, Grzegorz	Wednesday, June 19	3:00 PM - 3:30 PM	6
Brandaleze	Elena	ARGENTINA	319	Thermal analysis techniques applied to study wear mechanisms of black refractories used in the steel continuous casting process	Brandaleze, Elena; Benavidez, Edgardo R.	Wednesday, June 19	3:30 PM - 4:00 PM	6
Catauro	Michelina	ITALY	595	Thermal behavior of zirconia/hydroxyapatite composites synthesized by sol-gel method	Catauro, Michelina; Barrino, Federico; Tranquillo, Elisabetta; Vecchio Cipriotti, Stefano	Wednesday, June 19	2:30 PM - 3:00 PM	7
Cerc Korošec	Romana	SLOVENIA	408	Thermal behaviour of some glass and stone wools	Cerc Korošec, Romana; Umek, Polona	Wednesday, June 19	3:00 PM - 3:30 PM	7
Chromcikova	Maria	SLOVAKIA	585	Thermodynamic model and high-temperature raman spectra of BaO-B2O3 glassforming melts	Chromcikova, Maria; Osipov, Armenak A.; Osipova, Leila M.; Hruska, Branislav; Michalkova, Jaroslava; Liska, Marek	Wednesday, June 19	3:30 PM - 4:00 PM	7
Goj	Pawel	POLAND	420	Thermal properties of iron polyphosphate glasses containing calcium	Goj, Pawel; Ciecinska, Malgorzata; Stoch, Pawel	Wednesday, June 19	2:30 PM - 3:00 PM	8
Goj	Pawel	POLAND	417	Thermal properties of (100-x)(70P2O5-30Fe2O3)-xNa2O glasses	Goj, Pawel; Ciecinska, Malgorzata; Stoch, Pawel	Wednesday, June 19	3:00 PM - 3:30 PM	8

Hruska	Branislav	SLOVAKIA	558	Thermodynamic model and raman spectra of BaO-P2O5 glasses	Hruska, Branislav; Dagupati, Rajesh; Chromcikova, Maria; Vokelova, Jana; Liska, Marek; Munoz, Francisco	Wednesday, June 19	3:30 PM - 4:00 PM	8
Kharitonova	Elena	RUSSIA	193	Phase formation of Ln ₂ Hf ₂ O ₇ (Ln = Nd, Dy) using mechanical activation method. Carbon in hafnates	Kharitonova, Elena; Shlyakhtina, Anna; Vorobieva, Galina; Streletskii, Andrey	Wednesday, June 19	2:30 PM - 3:00 PM	9
Kourtidou	Dimitra	GREECE	628	Magnesium Doped Calcium Silicate Nanobioceramics for Hard Tissue Regeneration	Kourtidou, Dimitra; Papazoglou, Paraskevi; Pouroutzidou, Georgia K; Theodorou, Georgios S.; Patsiaoura, Dimitra; Kontonasaki, Eleana; Papadopoulou, Lambrini; Chrissafis, Konstantinos; Paraskevopoulos, Konstantinos M	Wednesday, June 19	3:00 PM - 3:30 PM	9
Majerová	Melinda	SLOVAKIA	513	Crystallization kinetics of gehlenite glass microspheres	Majerová, Melinda; Prnová, Anna; Plško, Alfonz; Švančárek, Peter; Valuchová, Jana; Klement, Róbert; Galusek, Dušan	Wednesday, June 19	3:30 PM - 4:00 PM	9
Niemiec	Przemysław	POLAND	738	Electrophysical properties of the multiferroic PFN-ferrite composites obtained by spark plasma sintering and classical technology	Niemiec, Przemysław; Bochenek, Dariusz	Wednesday, June 19	2:30 PM - 3:00 PM	10
Shlyakhtina	Anna	RUSSIA	163	Crystallization of Ln ₂ Ti ₂ O ₇ (Ln = Gd, Lu) using co-precipitation method: carbon in pyrochlores	Shlyakhtina, Anna; Vorobieva, Galina A.; Leonov, Alexander V.; Streletskii, Andrey N.	Wednesday, June 19	3:00 PM - 3:30 PM	10
Tranquillo	Elisabetta	ITALY	510	Thermal analysis and biological properties of hybrids based silica synthesized via sol-gel	Tranquillo, Elisabetta; Barrino, Federico; Catauro, Michelina	Wednesday, June 19	3:30 PM - 4:00 PM	10
Yatsenko	Elena A.	RUSSIA	747	Synthesis of glasses for obtaining fusible protective coatings for steel products	Yatsenko, Elena A.; Ryabova, Anna V.; Fanda, Anna Y.; Smoliy, Victoria A.	Wednesday, June 19	2:30 PM - 3:00 PM	11

Cultural heritage

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Kavanová	Mária	CZECH REPUBLIC	1261	Investigation of clay minerals in archaeological ceramics by thermal analyses (STA, DIL) and IR	Kavanová, Mária; Klouzkova, Alexandra; Kohoutková, Martina; Dvořáková, Pavla; Zemenová, Petra	Wednesday, June 19	3:00 PM - 3:30 PM	11
Vlase	Titus	ROMANIA	180	TG-DTA and FT-IR analyses of various samples of mortars from Deva region	Vlase, Titus; Vlase, Dan; Vlase, Gabriela; Ferencz, Iosif; Micle, Dorel	Wednesday, June 19	3:30 PM - 4:00 PM	11

Energetic materials

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Alagha	Mohamed Sobhi	HUNGARY	1255	Mixing of solid refused fuel particles in a bubbling fluidized bed: experimental and numerical studies	Alagha, Mohamed Sobhi; Szentannai, Pal; Szücs, Botond	Wednesday, June 19	2:30 PM - 3:00 PM	12
Khiari	Karim	ALGERIA	1260	Isothermal decomposition and kinetic analysis of gun propellants during aging	Khiari, Karim; Mezroua, Abderrahmane; Tarchoun, Ahmed Fouzi; Kadi, Abdennour; Belmecheri, Mohamed Amine; Trache, Djalal	Wednesday, June 19	3:00 PM - 3:30 PM	12
Majlingova	Andrea	SLOVAKIA	88	Results of study focusing the thermal and chemical properties of selected short-rotation tree and energy crop species	Majlingova, Andrea; Čabalová, Iveta; Lieskovský, Martin; Xu, Qiang; Jiang, Lin	Wednesday, June 19	3:30 PM - 4:00 PM	12
Miyake	Atsumi	JAPAN	17	Analysis on condensed phase reaction of aqueous hydroxylammonium nitrate using thermal measurements and kinetics	Miyake, Atsumi; Izato, Yu-ichiro; Kuroki, Kenta; Shiota, Kento	Thursday, June 20	2:30 PM - 3:00 PM	2

Shiota	Kento	JAPAN	1056	Analysis on condensed phase reaction of aqueous hydroxylammonium nitrate using thermal measurements and kinetics	Shiota, Kento; Kuroki, Kenta; Izato, Yu-ichiro; Miyake, Atsumi	Wednesday, June 19	3:00 PM - 3:30 PM	13
Yang	Jun	CHINA	1093	Thermoanalytical studies in the influence of the fuel component on the thermal and catalytic decompositions of HAN based monopropellants	Yang, Jun; Li, Hui	Wednesday, June 19	3:30 PM - 4:00 PM	13

Energy conversion and storage

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Honcova	Pavla	CZECH REPUBLIC	1092	Nitrate hydrates for thermal energy storage	Honcova, Pavla; Sádovská, Galina; Binder, Lukás	Wednesday, June 19	3:00 PM - 3:30 PM	14
Kim	Dong-Hoon	SOUTH KOREA	1254	Effect of salt addition on methane emissions during storage of pig slurry and subsequent biogas production	Seongwon Im, Alsayed Mostafa, Sang-Mi Kim, Mo-Kwon Lee, Chungman Moon, Chang-Kyu Lee, Sae-Eun Oh, Dong-Hoon Kim	Friday, June 21	3:30 PM - 4:00 PM	1
Maczka	Magda	POLAND	1011	Phase composition, structural, microstructural and electrical properties of sol-gel prepared MeOx (Me=V, W, Zn) – carbon composites and their possible applications	Mączka, Magda; Pasierb, Paweł	Wednesday, June 19	3:30 PM - 4:00 PM	14
Pelovski	Yoncho	BULGARIA	1006	Applying of thermal methods for low - carbon practices for decentralized resource utilization	Pelovski, Yoncho; Serafimova, Ekaterina; Petkova, Vilma	Wednesday, June 19	2:30 PM - 3:00 PM	15
Vourlias	George	GREECE	496	A study on high temperature oxidation resistance of undoped and doped higher manganese silicide powders prepared by pack cementation	Vourlias, George; Teknetzi, Aikaterini; Tarani, Evangelia; Stathokostopoulos, Dimitrios; Pavlidou, Eleni; Chrissafis, Konstantinos	Wednesday, June 19	3:00 PM - 3:30 PM	15

Wu	Kezhong	CHINA	117	Thermal Performances of n-Alkylammonium Tetrachlorocuprate Eutectoid Mixtures as Phase Change Materials	Wu, Kezhong; Wu, Mengmeng; Liu, Zijun	Wednesday, June 19	3:30 PM - 4:00 PM	15
Xu	Fen	CHINA	103	Synthesis and thermal properties of starch/polyethylene glycol copolymers for thermal energy storage	Xu, Fen	Wednesday, June 19	2:30 PM - 3:00 PM	16

Exergy, Experimental thermodynamics

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Cheng	Yu-Chi	TAIWAN	708	Prediction and assessment of multiple tubes of fireworks by thermokinetics model	Cheng, Yu-Chi; Cao, Chen-Rui; Chen, Wei-Chun; Shu, Chi-Min	Wednesday, June 19	3:00 PM - 3:30 PM	16
Lin	Kuei Hua	TAIWAN	597	Differences of isothermal calorimetry and liquid culture of synchronous conditions for saccharomyces cerevisiae fermentation	Lin, Kuei Hua; Tsai, Shu-Yao; Yu, Hsuan-Ti; Shu, Chi-Min; Chun-Ping, Lin	Wednesday, June 19	3:30 PM - 4:00 PM	16
Ragula	Udaya B.	INDIA	1080	Efficiency Improvement in Solar Cogeneration using Microchannel Heat Exchangers	Ragula, Udaya B.; Devanathan, Sriram	Wednesday, June 19	2:30 PM - 3:00 PM	17
Shu	Chi-Min	TAIWAN	402	Inhibiting effects of ionic liquids of different anions on coal spontaneous combustion of lignite	Shu, Chi-Min; Laiwang, Bin; Liu, Shang-Hao; Cui, Fu-Sheng	Wednesday, June 19	3:00 PM - 3:30 PM	17
Shu	Chi-Min	TAIWAN	405	Thermal stability analysis of benzotriazole as an additive in lithium-ion batteries	Guan-Ting Chen, Yi-Hong Chung, Yih-Wen Wang, Chi-Min Shu	Tuesday, June 18	6:30 PM - 7:00 PM	7
Sifaoui	Hocine	ALGERIA	870	Extraction of O-cresol and acetonitrile from water using an ionic liquid	Sifaoui, Hocine; Rabhi, Fadhila; Mutelet, Fabrice	Friday, June 21	2:30 PM - 3:00 PM	13

Zhang	Jian-Jun	CHINA	109	Construction of lanthanide complexes based on 2,6-dimethylbenzoic acid and 5,5'-dimethyl-2,2'-bipyridine: Supramolecular structures, thermodynamic properties and luminescence	Zhang, Jian-Jun; Li, Ying-Ying; Ren, Ning; He, Shu-Mei; Wang, Shu-Ping	Wednesday, June 19	3:00 PM - 3:30 PM	18
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Fuels, biofuels

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Janković	Marija M.	SERBIA	322	Experimental study of low-rank coals using simultaneous TG-DTA techniques under air conditions and radiation level characterization	Janković, Marija M.; Janković, Bojan Ž.; Marinović-Cincović, Milena T.; Porobić, Slavica J.; Krneta Nikolić, Jelena D.; Sarap, Nataša B.; Todorović, Dragana J.	Wednesday, June 19	3:30 PM - 4:00 PM	18
Xiao	Yang	CHINA	360	The effect of [bmim][bf4] on low-temperature oxidation thermal characteristics of coal under different oxygen concentrations	Xiao, Yang; Li, Da-Jiang; Lü, Hui-Fei; Deng, Jun; Li, Qing-Wei; Shu, Chi-Min	Wednesday, June 19	2:30 PM - 3:00 PM	19
Xiao	Yang	CHINA	357	Impact of humidity and oxygen concentration on thermophysical properties of coal	Xiao, Yang; Zhang, Wen-Xiang; Li, Qing-Wei; Li, Da-Jiang; Shu, Chi-Min	Wednesday, June 19	3:00 PM - 3:30 PM	19

Geosciences and minerals

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Abdulagatov	Ilmutdin	RUSSIA	249	Heat transfer mechanism in oil saturated rock materials at high temperatures	Abdulagatov, Ilmutdin; Zumrud, Abdulagatova; Kallaev, Suleiman; Bakmaev, Abumuslim	Wednesday, June 19	3:30 PM - 4:00 PM	19
Angelopoulos	Panagiotis M	GREECE	1242	Non-isothermal decomposition kinetics of hydrated volcanic glass (pitchstone)	Angelopoulos, Panagiotis M; Taxiarchou, Maria; Paspaliaris, Ioannis	Wednesday, June 19	2:30 PM - 3:00 PM	20

Ganeeva	Yulia	RUSSIA	169	Thermal characteristics of asphaltenes to evaluate evolutionary processes in the oil reservoir	Ganeeva, Yulia; Yusupova, Tatiana; Barskaya, Ekaterina; Okhotnikova, Ekaterina; Timirgalieva, Alina	Wednesday, June 19	3:00 PM - 3:30 PM	20
Plevova	Eva	CZECH REPUBLIC	183	Thermal analysis and FTIR spectroscopy of syntetic clay mineral mixtures	Plevova, Eva; Vaculikova, Lenka; Valovicova, Vera	Wednesday, June 19	3:30 PM - 4:00 PM	20
Stoyanova	Vilma Petkova	BULGARIA	1015	Impact of high energy milled activation on the thermal properties of Bulgarian and Estonian natural apatites	Stoyanova, Vilma Petkova; Kostova, Bilyana; Serafimova, Ekaterina; Kaljuvee, Tiit; Tõnsuaadu, Kaia; Pelovski, Yoncho	Thursday, June 20	2:30 PM - 3:00 PM	1
Tine'	Maria Rosaria	ITALY	1236	Thermoanalytical Investigation on Natural Clayey Materials, Sands and Volcanic Ashes	Tine', Maria Rosaria; Duce, Celia; Bernazzani, Luca; Pizzimenti, Silvia; Pulidori, Elena; Lezzerini, Marco; Mazzoleni, Paolo; Barone, Germana	Thursday, June 20	3:00 PM - 3:30 PM	1

Heat Transfer

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Shin	Dong Ho	SOUTH KOREA	1177	Heat exchanger using the corona wind for heat recovery from hot gas	Shin, Dong Ho; Shin, Youhwan	Thursday, June 20	3:30 PM - 4:00 PM	1

Inorganic materials

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Barta Holló	Berta	SERBIA	1027	The role of oxanions in the thermal decomposition of [Agpy ₄]XO ₄ .4[Agpy ₂ XO ₄] (X=Mn, Cl) double salt complexes having tetrahedral Agpy ₄ cation and three-coordinated ((\square ?) \square ?)N-py) ₂ Ag- \square 1-OXO ₃ units	Barta Holló, Berta; Franguelli, Fernanda Paiva; Kovács, Gréta; Szilágyi, Imre Miklós; Kótai, László	Thursday, June 20	2:30 PM - 3:00 PM	2
Benavidez	Edgardo R	ARGENTINA	201	Replacement of fluorine in mould powders: Influence on the crystallization kinetics	Benavidez, Edgardo R; Santini, Leandro M; Brandaleze, Elena	Thursday, June 20	3:00 PM - 3:30 PM	2
Dohnalová	Žaneta	CZECH REPUBLIC	145	The effect of dopants on synthesis and thermal stability of BiFeO ₃ pigments	Dohnalová, Žaneta; Šulcová, Petra	Thursday, June 20	3:30 PM - 4:00 PM	2
Flerov	Igor N.	RUSSIA	1215	Conventional and inverse barocaloric effects around triple points in ferroelastics (NH ₄) ₃ NbOF ₆ and (NH ₄) ₃ TiOF ₅	Flerov, Igor N.; Gorev, Mikhail V.; Bogdanov, Evgeniy V.	Thursday, June 20	2:30 PM - 3:00 PM	3
Kaljuvee	Tiit	ESTONIA	765	CO ₂ mineralization by burnt oil shale and cement bypass dust: effect of operating temperature and pre-treatment	Kaljuvee, Tiit; Yörük, Can R; Uibu, Mai; Usta, Mustafa C; Trikkel, Andres	Thursday, June 20	3:00 PM - 3:30 PM	3
Nikiforova	Galina E.	RUSSIA	307	Synthesis and calorimetric study of lanthanide orthotantalates	Nikiforova, Galina E.; Guskov, Vladimir N.; Sazonov, Evgeniy G.; Khoroshilov, Andrey V.; Ryumin, Mikhail A.; Gavrichev, Konstantin S.	Thursday, June 20	3:30 PM - 4:00 PM	3
Smirnova	Maria	RUSSIA	211	Gel combustion synthesis of ferrite nanopowders	Smirnova, Maria; Kop'eva, Maria; Beresnev, Edvard; Nikiforova, Galina; Simonenko, Nikolay; Ketsko, Valery	Thursday, June 20	2:30 PM - 3:00 PM	4

Voronkova	Valentina	RUSSIA	198	Synthesis and properties of oxygen-conducting phases $\text{Li}_x\text{La}_{5-x}\text{Mo}_3\text{O}_{16.5-y}\text{F}_x$ ($x = 0 - 1.6$)	Voronkova, Valentina; Orlova, Ekaterina; Kharitonova, Elena; Baldin, Egor	Thursday, June 20	3:00 PM - 3:30 PM	4
Žemlička	Matúš	SLOVAKIA	33	Preparation of analcime via hydrothermal treatment	Žemlička, Matúš; Kuzielová, Eva; Palou, Martin T.	Thursday, June 20	3:30 PM - 4:00 PM	4
Zvereva	Irina	RUSSIA	1249	Thermal study of organic-inorganic layered perovskite-type Bi-containing titanate	Zvereva, Irina; Minich, Iana; Silyukov, Oleg	Thursday, June 20	2:30 PM - 3:00 PM	5

Kinetics and catalysis

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Alfonso	Belen F	SPAIN	534	Thermal behavior and kinetic analysis of intercalated phases of alpha-titanium phosphate	Alfonso, Belen F; Trobajo, Camino; Huidobro, Pedro; Iglesias, Isabel; Garcia, Jose R	Thursday, June 20	3:00 PM - 3:30 PM	5
Angelopoulos	Panagiotis M	GREECE	1246	Non-isothermal decomposition kinetics of hydrated volcanic glass (pitchstone)	Angelopoulos, Panagiotis M; Taxiarchou, Maria; Paspaliaris, Ioannis; Tsakiri, Danai	Thursday, June 20	3:30 PM - 4:00 PM	5
Huidobro	Jose A	SPAIN	543	Kinetic analysis of the thermal decomposition of cerium(IV) phosphates	Huidobro, Jose A; Trobajo, Camino; Alfonso, Belen F; Espina, Aránzazu; García, Jose R	Thursday, June 20	2:30 PM - 3:00 PM	6
Janković	Marija M.	SERBIA	1128	Thermal degradation kinetics of newly synthesized arylazo pyridone dyes	Janković, Marija M.; Porobić, Slavica J.; Janković, Bojan Ž.; Jovanović, Dragana J.; Katnić, Djurica B.; Mijin, Dušan Z.; Marinović-Cincović, Milena T.	Thursday, June 20	3:00 PM - 3:30 PM	6
Koga	Nobuyoshi	JAPAN	943	Kinetic extraction of the thermal decomposition steps of pigment molecules from the multistep thermal decomposition of Maya blue pigments	Koga, Nobuyoshi; Yamamoto, Yui; Okazaki, Takahiro; Sakai, Yasuhiro; Iwasaki, Shun	Thursday, June 20	3:30 PM - 4:00 PM	6

Kosmal	Magda	POLAND	1137	The influence of vitreous waste entropy on sintering process	Kosmal, Magda; Wons, Wojciech; Rzepa, Karol; Reben, Manuela; Pichniarczyk, Paweł	Wednesday, June 19	2:30 PM - 3:00 PM	2
Kuśnierz	Anna A.	POLAND	1140	Influence of agglomeration of the glass set on the melting of sodium-calcium-silicate glass with increased content of substitute raw materials.	Kuśnierz, Anna A.; Kosmal, Magda; Pichniarczyk, Paweł	Wednesday, June 19	3:30 PM - 4:00 PM	11
Madlala	Nkosinathi Emmanuel	SOUTH AFRICA	1047	Thermo-gravimetric analysis of bagasse fractions (Fibre and pith) for solid fuel beneficiation in boilers, stoves, and open fires	Madlala, Nkosinathi Emmanuel; Eloka-Eboka, Andrew; Lokhat, David	Friday, June 21	3:00 PM - 3:30 PM	20
Manić	Nebojša G.	SERBIA	555	Computational approaches for modeling biomass pyrolysis: slow pyrolysis process of apricot kernel shells controled by non-isothermal simultaneous thermal analysis (STA)	Manić, Nebojša G.; Janković, Bojan Ž.; Pijović, Milena M.; Waisi, Hadi K.; Dodevski, Vladimir M.; Stojiljković, Dragoslava D.; Jovanović, Vladimir V.	Thursday, June 20	2:30 PM - 3:00 PM	7
Petrov	Ivan Y.	RUSSIA	1105	Thermal Transformations of Molybdenum (VI) and Vanadium (V) Oxo-Species on the Surface of Gamma-Alumina Supported Molybdena- and Vanadia-Based Catalysts	Petrov, Ivan Y.; Tryasunov, Boris G.	Thursday, June 20	3:00 PM - 3:30 PM	7
Trobajo	Camino	SPAIN	529	Thermal behaviour of aluminum-iron-vanadium phosphates precursors of beige ceramic pigments	Trobajo, Camino; Tena, M Angeles; Mendoza, Rafael; Alfonso, Belen F; Huidobro, José A.	Thursday, June 20	3:30 PM - 4:00 PM	8
Yakubov	Alexey	RUSSIA	525	Influence of the adjacent layers on the crystallization kinetics of Ge ₂ Sb ₂ Te ₅ thin films	Yakubov, Alexey; Sherchenkov, Alexey; Babich, Alexey; Lazarenko, Petr	Thursday, June 20	2:30 PM - 3:00 PM	8

Life sciences

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Ferencz	Andrea	HUNGARY	466	Telling signs of plasma DSC thermograms on patients with psoriasis	Ferencz, Andrea; Mehdi, Moezzi; Lőrinczy, Dénes	Wednesday, June 19	2:30 PM - 3:00 PM	14
Preoana	Luminita	ROMANIA	471	Comparative study of the thermal behaviour of Sr-Cu-O gels obtained by sol-gel and microwave assisted sol-gel methods	Preoana, Luminita; Atkinson, Irina; Szilágyi, Imre; Kovács, Teodóra Nagyné; Bakos, László Péter; Pandele Cusu, Jeanina; Petrescu, Simona; Rusu, Adriana; Zaharescu, Maria	Thursday, June 20	3:30 PM - 4:00 PM	9
Skoczowski	Andrzej	POLAND	1054	Effects of temperature on lifespan of drosophila melanogaster from different genetic backgrounds: links between metabolic rate and longevity	Skoczowski, Andrzej; Molon, Mateusz; Dampc, Jan; Kula, Monika; Zebrowski, Jacek; Molon, Agnieszka; Dobler, Ralph; Durak, Roma	Thursday, June 20	2:30 PM - 3:00 PM	9
Trębacz	Hanna	POLAND	657	Evaluation of collagen in saphenous vein on the basis of kinetic parameters of its thermal denaturation	Trębacz, Hanna; Szczesna, Agnieszka; Kęsik, Jakub; Zubilewicz, Tomasz	Thursday, June 20	3:00 PM - 3:30 PM	9

Materials science

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Belyaev	Sergey	RUSSIA	549	Martensite stabilization effect and the transformation enthalpy in the deformed NiTi shape memory alloys	Belyaev, Sergey; Resnina, Natalia; Iaparova, Elizaveta; Ivanova, Alexandra	Thursday, June 20	3:30 PM - 4:00 PM	10
Chrysafi	Iouliana	GREECE	648	Mechanical and thermal properties of reinforced PMMA resin for interim fixed prostheses with β -pyrophosphate	Chrysafi, Iouliana; Patsioura, Dimitra; Bikiaris, Dimitrios N.; Kontonasaki, Eleana; Vourlias, George	Thursday, June 20	2:30 PM - 3:00 PM	10

Dohnalová	Žaneta	CZECH REPUBLIC	286	Preparation and thermal study of perovskite based on SrSnO ₃ doped by Mn-cations	Dohnalová, Žaneta; Hroch, Jan; Šulcová, Petra	Thursday, June 20	3:00 PM - 3:30 PM	10
Farah	Shereen Farah Ahmed	HUNGARY	1218	Thermal Analysis of Graphene Oxide Derivatives	Farah, Shereen Farah Ahmed	Thursday, June 20	3:30 PM - 4:00 PM	11
Hirai	Manami	JAPAN	228	Trial of partial Na substitution for Li site in Li ₄ SiO ₄ and CO ₂ absorption/desorption property of Li ₃ NaSiO ₄ at various CO ₂ partial pressures	Hirai, Manami; Kaniwa, Shingo; Hashimoto, Takuya	Thursday, June 20	2:30 PM - 3:00 PM	11
Konieczny	Jarosław	POLAND	1081	Thermal analysis of EN AW- AlCu4Mg1(A) alloy matrix composite reinforced with Al ₂ O ₃ particles	Konieczny, Jarosław; Włodarczyk-Fligier, Anna; Polok-Rubinić, Magdalena; Labisz, Krzysztof	Thursday, June 20	3:00 PM - 3:30 PM	11
Król	Mariusz	POLAND	715	The phase transitions in selective laser melted 18 Ni (300 grade) maraging steel	Król, Mariusz; Snopiński, Przemysław	Thursday, June 20	3:30 PM - 4:00 PM	12
Krzemiński	Łukasz	POLAND	1225	Thermal analysis of porous biomorphic TiC/C composite materials	Krzemiński, Łukasz; Tański, Tomasz	Thursday, June 20	2:30 PM - 3:00 PM	12
Krzemiński	Łukasz	POLAND	552	Thermal analysis of porous biomorphic TiC/C composite materials	Krzemiński, Łukasz; Tański, Tomasz	Thursday, June 20	3:00 PM - 3:30 PM	12
Kustiningsih	Indar	INDONESIA	1180	Photocatalytic Degradation of Organic Waste in Visible light using TiO ₂ Nanotubes Array	Indar Kustiningsih, Cecep Saripudin, Athia Hasna N., Ulil Ansori	Tuesday, June 18	6:30 PM - 7:00 PM	2
Matko	Igor	SLOVAKIA	264	Study of different water/dimethylsulfoxide mixtures in confined state	Matko, Igor; Cechova, Katarina; Sausa, Ondrej; Rusnak, Jaroslav; Lakota, Jan; Svajdenkova, Helena; Klbik, Ivan	Thursday, June 20	3:30 PM - 4:00 PM	13
Moreno	Juan Carlos	COLOMBIA	31	Enthalpic characterization of activated carbons with different surface chemistry with organic solvents and water	Moreno, Juan Carlos; Hernandez-Monje, Diana; Giraldo, Liliana	Thursday, June 20	2:30 PM - 3:00 PM	13

Nakamura	Takahiko	JAPAN	460	Dielectric anomaly of ionic liquid, (C8mim)BF ₄ , observed on stepwise heating: equilibrium time dependence	Nakamura, Takahiko; Takamatsu, Takuya; Watanabe, Keisuke; Negita, Keishi	Thursday, June 20	3:30 PM - 4:00 PM	14
Gómez Pérez	Juan Fernando	HUNGARY	1240	In situ Raman spectroscopy and thermogravimetric analysis: two sides of the same coin	Juan Gómez-Pérez, András Sápi, Zoltán Kónya	Tuesday, June 18	7:00 PM - 7:30 PM	9
Preoana	Luminita	ROMANIA	1197	Thermal behaviour of the TiO ₂ powders obtained by microwave-assisted sol-gel method	Preoana, Luminita; Pandele Cusu, Jeanina; Petrescu, Simona; Preda, Silviu	Thursday, June 20	3:00 PM - 3:30 PM	13
Snopiński	Przemysław	POLAND	340	Hot deformation behaviour of a heat treated AlMg ₃ alloy	Snopiński, Przemysław; Król, Mariusz; Tański, Tomasz	Thursday, June 20	2:30 PM - 3:00 PM	14
Stankovic	Branislav S	SERBIA	375	Investigation of phase state of water adsorbed on poly (acrylic acid) hydrogel	Stankovic, Branislav S	Thursday, June 20	3:00 PM - 3:30 PM	14
Šulcová	Petra	CZECH REPUBLIC	283	Bi-doped PrFeO ₃ prepared using mechanical activation	Šulcová, Petra; Luxová, Jana	Thursday, June 20	3:30 PM - 4:00 PM	15
Šulcová	Petra	CZECH REPUBLIC	280	Characterization of thermal behaviour of pure and doped hydroxyapatite	Šulcová, Petra; Šimková, Lenka	Thursday, June 20	2:30 PM - 3:00 PM	15
Szaldot	Diana	POLAND	1237	The effect of prolonging sintering time on dielectric and electric properties of six-layered aurivillius compound Bi ₇ Fe ₃ Ti ₃ O ₂₁	Diana Szalbot, Małgorzata Adamczyk-Habrajska, Jolanta Dzik, Kamil Feliksik, Mateusz Bara	Tuesday, June 18	7:00 PM - 7:30 PM	5
Tamura	Kazuhiro	JAPAN	1158	Optimization of supercritical carbon dioxide dyeing for plastic buttons	Tamura, Kazuhiro	Thursday, June 20	3:00 PM - 3:30 PM	15
Vlase	Titus	ROMANIA	189	Advances in a new multicomponent crystal system: synthesis, structure, thermal and kinetic investigations and biological activity	Vlase, Titus; Crisan, Manuela; Vlase, Gabriela; Petric, Mihaela; Croitor, Lilia; Bodnarescu, Florin; Sumalan, Radu; Ilia, Gheorghe; Bourosh, Pavlina	Thursday, June 20	3:30 PM - 4:00 PM	16

Watanabe	Keisuke	JAPAN	598	Thermal and relaxation behavior of the ice in bovine serum albumin solution	Watanabe, Keisuke; Nagoe, Atsushi; Kawai, Kiyoshi; Kusukawa, Koji; Oguni, Masaharu	Thursday, June 20	2:30 PM - 3:00 PM	16
Zemenová	Petra	CZECH REPUBLIC	580	Characterisation of thermal properties of Cs ₂ HfCl ₆ crystal by DSC-TG and TMA analyses	Zemenová, Petra; Král, Robert; Vaněček, Vojtěch; Veverka, Pavel; Kodama, Shohei; Kurosawa, Shunsuke; Yokota, Yuui; Yoshikawa, Akira; Nikl, Martin	Thursday, June 20	3:00 PM - 3:30 PM	16
Zygmuntowicz	Justyna	POLAND	57	Characterization of Al ₂ O ₃ -Cu-Mo hybrid composite	Zygmuntowicz, Justyna; Miazga, Aleksandra; Piątek, Milena; Wachowski, Marcin; Piotrkiewicz, Paulina; Kaszuwara, Waldemar	Thursday, June 20	3:30 PM - 4:00 PM	17

Metals, alloys, intermetallics

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Brandaleze	Elena	ARGENTINA	688	Thermal Analysis Techniques applied to determine the continuous cooling curve of DP-590 Steel	Brandaleze, Elena; Ramírez, Matías	Thursday, June 20	2:30 PM - 3:00 PM	17
Choi	Se-Weon	SOUTH KOREA	126	Effect of precipitation on the thermal properties of aluminum-silicon foundry alloy	Choi, Se-Weon; Kim, Yu-Mi; Kim, Young-Chan; Kang, Chang-Seog	Thursday, June 20	3:00 PM - 3:30 PM	17
Jendrzeczyk-Handzlik	Dominika	POLAND	429	DTA/DSC measurements in Ag-Au-Ga system	Jendrzeczyk-Handzlik, Dominika; Handzlik, Piotr; Fitzner, Krzysztof	Thursday, June 20	3:30 PM - 4:00 PM	18
Kim	Young-Chan	SOUTH KOREA	153	Investigation on interface formation and linear thermal expansion of Fe/Al bimetal by high pressure die cast bonding	Kim, Young-Chan; Kim, Yu-Mi; Choi, Se-Weon; Kim, Yong-Won; Kang, Chang-Seog; Hong, Sung-Kil	Thursday, June 20	2:30 PM - 3:00 PM	18

Kim	Yong Won	SOUTH KOREA	132	Effect of intermetallic compound layer on thermal diffusivity of cast-bonded Al-Cu bimetal.	Kim, Yong Won; Kim, Yu Mi; Choi, Se Weon; Kim, Young Chan; Kang, Chang Seog; Hong, Sung Kil	Thursday, June 20	3:00 PM - 3:30 PM	18
Kim	Yu-Mi	SOUTH KOREA	129	Increase of thermal diffusivity with heat treatment in Al-Si-Mg alloys	Kim, Yu-mi; Kim, Young-chan; Choi, Se-weon; Kang, Chang-seog	Thursday, June 20	3:30 PM - 4:00 PM	19
Konieczny	Jarosław	POLAND	157	Structure, properties and phase transformation of CuNi ₂ Si alloyed copper	Konieczny, Jarosław; Labisz, Krzysztof; Boris, Renata; Głowik-Łazarczyk, Katarzyna; Reimann, Łukasz	Thursday, June 20	2:30 PM - 3:00 PM	19
Labisz	Krzysztof	POLAND	96	Thermal analysis of Ag-Ni-Cr alloy for transportation usage after fibre laser alloying	Labisz, Krzysztof; Konieczny, Jarosław; Cwiek, Janusz; Pakieła, Wojciech; Jurczyk, Sebastian; Wierzbicki, Łukasz	Thursday, June 20	3:00 PM - 3:30 PM	19
Shin	Gwang Yong	SOUTH KOREA	334	Study of High-temperature Mechanical Properties and Thermal Diffusivity of H13-Deposited Material Fabricated through DED Process	Shin, Gwang Yong; Kim, Yu Mi; Lee, Ki Young; Son, Jong Youn; Choi, Se Weon; Kim, Young Chan	Thursday, June 20	3:30 PM - 4:00 PM	20
Timelli	Giulio	ITALY	666	Modification of eutectic Mg ₂ Si phase in AlMg ₅ Si ₂ Mn alloy by Sr addition	Timelli, Giulio; De Mori, Alessandro; Fabrizi, Alberto; Scampone, Giulia	Thursday, June 20	2:30 PM - 3:00 PM	20

Nanofluid

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Bai	Guangyue	CHINA	751	Rheological and thermodynamic behavior of gemini/UMP hydrogel systems and their interaction with α -chymotrypsin enzyme	Bai, Guangyue; Wang, Yujie; Zhang, Chi; Yao, Meihuan	Thursday, June 20	3:00 PM - 3:30 PM	20
Kamel	Mohammed Saad	HUNGARY	255	Pool boiling of nanofluid using heat flux partitioning model: CFD investigation	Kamel, Mohammed Saad; Al-agma, Mohamed Sobhi; Lezsovits, Ferenc	Friday, June 21	2:30 PM - 3:00 PM	1

Le Ba	Thong	HUNGARY	1095	Study of synthesis, stability and thermal properties of carbon sphere based nanofluids	Thong Le Ba, Imre Szilágyi Miklós	Tuesday, June 18,	7:00 PM - 7:30 PM	10
Le Ba	Thong	HUNGARY	1110	Investigation of thermal conductivity, viscosity, and zeta potential of tungsten trioxide based nanofluids	Thong Le Ba, Imre Szilágyi Miklós	Wednesday, June 19,	2:30 PM - 3:00 PM	13

Nanomaterials and composites

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Abdullah	Thamer Adnan	HUNGARY	949	Synthesis and Catalytic Activity Studies of α -MNO ₂ Nanorods, TiO ₂ Rutile and Its Composites Prepared by Hydrothermal Method	Abdullah, Thamer Adnan; Rasheed, Rashed Taleb; Mansoor, Hadeel S.; Salman, Ali Dawood; Juzsakova, Tatjana	Friday, June 21	3:00 PM - 3:30 PM	1
Arribas	Carmen	SPAIN	609	Influence of temperature and bn nanoparticles on uv, thermal and dark curing of a cycloaliphatic epoxy resin	Arribas, Carmen; González-González, Andrès; Prolongo, Margarita G; Prolongo, Silvia G	Tuesday, June 18	7:00 PM - 7:30 PM	2
Běhálek	Luboš	CZECH REPUBLIC	940	Thermal properties and non-isothermal crystallization kinetics of biocomposites based on polylactide, rice husks, and cellulose fibers	Běhálek, Luboš; Borůvka, Martin; Habr, Jiří; Brdlik, Pavel; Lenfeld, Petr; Veselka, Filip; Kroisová, Dora	Friday, June 21	2:30 PM - 3:00 PM	2
Boruvka	Martin	CZECH REPUBLIC	958	Thermomechanical properties, morphology and non-isothermal crystallization of solid and microcellular biocomposites based on stereocomplexed polylactide and cellulose nonocrystals	Boruvka, Martin; Behalek, Lubos; Brdlik, Pavel; Lenfeld, Petr; Bobek, Jiri; Wongmanee, Sorasak; Pechociakova, Miroslava	Friday, June 21	3:00 PM - 3:30 PM	2
Chrissafis	Konstantinos	GREECE	577	Impact of nanocrystalline cellulose on the properties of LLDPE	Chrissafis, Konstantinos; Patsiaoura, Dimitra; Pavlidou, Eleni; Vourlias, George; Bikiaris, Dimitrios N.	Friday, June 21	3:30 PM - 4:00 PM	2

Havláková	Jana	CZECH REPUBLIC	960	STA/MS Investigation of Functionalized Graphene-Based 2D Materials	Havláková, Jana; Ugolotti, Juri; Tuček, Jiří; Bakandritsos, Aristides; Chronopoulos, Demetrios D.; Barès, Hugo; Zbořil, Radek	Wednesday, June 19	2:30 PM - 3:00 PM	18
Kim	Hern	SOUTH KOREA	253	Cost-effective and green fabrication of 1D hollowed CNF spinel NiCo ₂ O ₄ nanocomposite via dual nozzle electrospinning method	Kim, Hern; Tomboc, Gracita M.	Friday, June 21	3:00 PM - 3:30 PM	3
Laszlo	Krisztina	HUNGARY	832	Role of water molecules in the decomposition of HKUST-1	Laszlo, Krisztina; Domán, Andrea; Czakkel, Orsolya; Madarász, János; Porcar, Lionel; Geissler, Erik	Friday, June 21	3:30 PM - 4:00 PM	3
Migas	Damian	POLAND	568	Evaluation of thermal properties of MMCP composites with silver alloy matrix	Migas, Damian; Wieczorek, Jakub; Maciąg, Tomasz; Kowalczyk, Karolina	Friday, June 21	2:30 PM - 3:00 PM	4
Moga	Ligia	ROMANIA	624	Investigations on the thermal conductivity of aerogel insulation blankets - hygrothermal analysis	Moga, Ligia; Bucur, Adrian	Friday, June 21	3:00 PM - 3:30 PM	4
Moradi	Sasan	SPAIN	922	The thermal conductivity of epoxy-boron nitride composites: effect of particle shape	Moradi, Sasan	Friday, June 21	3:30 PM - 4:00 PM	4
Nicoara	Mircea	ROMANIA	979	Thermal transformations during fabrication by reactive sintering of Al-based hybrid composites	Nicoara, Mircea; Buzdugan, Dragos	Friday, June 21	2:30 PM - 3:00 PM	5
Nowicka	Katarzyna	POLAND	1122	The effect of phase change materials on thermal properties of polyurthanesaccharides modified with magnetite	Nowicka, Katarzyna; Raputa, Magdalena; Pielichowska, Kinga	Friday, June 21	3:00 PM - 3:30 PM	5
Nowicka	Katarzyna	POLAND	1116	Thermal properties and degradation kinetics of polyoxymethylene/functionalized hydroxyapatite compsites	Nowicka, Katarzyna; Kozian, Marta; Szlachata, Monika; Pielichowska, Kinga	Friday, June 21	3:30 PM - 4:00 PM	5

Plevova	Eva	CZECH REPUBLIC	300	Thermal behaviour of organically modified vermiculites	Plevova, Eva; Vaculikova, Lenka; Valovicova, Vera; Vallova, Silvie; Simha Martynkova, Grazyna	Friday, June 21	2:30 PM - 3:00 PM	6
Prolongo	Margarita G	SPAIN	594	Influence of stoichiometry and graphene addition in a dynamic epoxy network	Prolongo, Margarita G; Sánchez, Miguel Ángel; Aguirre de Cárcer, Iñigo; Rubio, Ramón G	Friday, June 21	3:00 PM - 3:30 PM	6
Psarras	Georgios C.	GREECE	852	Boron nitride/epoxy resin nanocomposites: development, characterization and functionality	Psarras, Georgios C.; Konstantinou, Antigoni C.; Patsidis, Anastasios C.	Friday, June 21	3:30 PM - 4:00 PM	6
Vourlias	George	GREECE	486	Effect of graphene nanoplatelets loading on the thermal properties of crosslinked polyethylene/graphene nanocomposites	Vourlias, George; Kourtidou, Dimitra; Tarani, Evangelia; Vlachou, Maria; Bikiaris, Dimitrios N.; Chrissafis, Konstantinos	Friday, June 21	2:30 PM - 3:00 PM	7
Zhang	Huanzhi	CHINA	100	Preparation and thermal performance of PEG/GO composite phase change materials by electrospinning	Zhang, Huanzhi; Xu, Fen; Sun, Lixian	Friday, June 21	3:00 PM - 3:30 PM	7

Organic materials

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Drebushchak	Tatiana N.	RUSSIA	273	Structural similarity and similarity in thermal properties of the polymorphs of tolbutamide and chlorpropamide	Drebushchak, Tatiana N.; Drebushchak, Valeri A.	Friday, June 21	3:30 PM - 4:00 PM	7
Madarász	János	HUNGARY	1113	Thermal elimination study on pore-templating surfactants	Madarász, János; Zámbo, Dániel; Albert, Emőke; Hórvölgyi, Zoltán	Friday, June 21	2:30 PM - 3:00 PM	8
Mothé	Michelle G	BRAZIL	423	Thermal Properties of Residue Composites from Coffee Capsules with Sugarcane Bagasse Fibers	Mothé, Michelle G; Soares, Ana Paula S.; Mothé, Cheila G.; Freitas, Jaqueline S. de	Friday, June 21	3:00 PM - 3:30 PM	8

Pharmaceuticals

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Cavalheiro	Eder T G	BRAZIL	673	On the polymorphism of metoprolol free base	Cavalheiro, Eder T G; Ciciliati, Mariani A; Eusébio, Maria E S; Castro, Ricardo A E	Friday, June 21	3:30 PM - 4:00 PM	8
Ferreira de Jesus	Jany Hellen	BRAZIL	783	Thermal decomposition mechanism of doxycycline	Ferreira de Jesus, Jany Hellen; de Freitas, Jonatha; Ferreira, Ana Paula G; Cavalheiro, Éder T G	Friday, June 21	2:30 PM - 3:00 PM	9
Garbacz	Patrycja	POLAND	178	Thermal study of lorazepam-nicotinamide co-crystals	Garbacz, Patrycja; Wesolowski, Marek	Friday, June 21	3:00 PM - 3:30 PM	9
Ibrahim	Yousif	HUNGARY	913	Effect of Plasticizer Type/Quantity on the Thermal Behavior of Acetic Acid and Citric Acid-Based Chitosan Films	Ibrahim, Yousif; Sovány, Tamás; Regdon, Géza	Friday, June 21	3:30 PM - 4:00 PM	9
Laszlo	Krisztina	HUNGARY	1227	Thermal degradation of crab shell biomass	Laszlo, Krisztina; Sebestyén, Zoltán; Jakab, Emma; Bertóti, Imre; Bokrossy, Péter; Madarász, János; Domán, Andrea; Farah, Shereen	Friday, June 21	2:30 PM - 3:00 PM	10
Madarász	János	HUNGARY	1009	Compositional study on key intermediate salt with high diastereomeric excess from resolution of tofisopam, by elemental, ¹ H-NMR spectroscopic, and evolved gas (TG-MS, TG-FTIR) analyses	Madarász, János; Bosits, Miklós H.; Pálovics, Emese; Fogassy, Elemér	Friday, June 21	3:00 PM - 3:30 PM	10
Terekhova	Irina	RUSSIA	459	Encapsulation of antirheumatic drugs in cyclodextrin-based metal-organic framework	Terekhova, Irina; Kritskiy, Iliya; Volkova, Tatyana; Surov, Artem	Friday, June 21	3:30 PM - 4:00 PM	10
Wesolowski	Marek	POLAND	76	Lorazepam-nicotinamide co-crystals formation via mechanical grinding	Wesolowski, Marek; Garbacz, Patrycja	Friday, June 21	2:30 PM - 3:00 PM	11

Polymers

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Bai	Guangyue	CHINA	232	Synthesis and micellization of nonionic dendritic polyglycerol amphiphiles	Bai, Guangyue; Guo, Zhijun; Wang, Yujie	Friday, June 21	3:00 PM - 3:30 PM	11
Labisz	Krzysztof	POLAND	556	DSC characterisation of polymers used for 3D printing constructions	Labisz, Krzysztof; Mańka, Adam; Wierzbicki, Łukasz; Konieczny, Jarosław; Ćwiek, Janusz	Friday, June 21	3:30 PM - 4:00 PM	11
López Beceiro	Jorge J.	SPAIN	955	Melting and crystallization rates of three common feed polymers for fused deposition modelling	López Beceiro, Jorge J.; Tarrío-Saavedra, Javier; Díaz-Díaz, Ana M.; Artiaga, Ramón; Álvarez, Ana	Friday, June 21	2:30 PM - 3:00 PM	12
Majlingova	Andrea	SLOVAKIA	1206	Retardant Treated and Untreated Upholstery PUR Foams Fire Hazard Assessment Based on the Thermal Analysis and Cone Calorimetry Results	Majlingova, Andrea; Orémusová, Emília; Xu, Qiang; Jin, Cong	Friday, June 21	3:00 PM - 3:30 PM	12
Morancho Llena	Jose Maria	SPAIN	304	Enhancement of the thermal and mechanical properties of 3D-printing formulations using dual-curing	Morancho Llena, Jose Maria; Di Donato, Fabio; Fernandez-Francos, Xavier; Ramis Juan, Xavier; Serra Albet, Angels; Sangermano, Marco	Friday, June 21	3:30 PM - 4:00 PM	12
Morancho Llena	Jose Maria	SPAIN	301	Dual-curing of an epoxy resin with dicarboxylic acids	Morancho Llena, Jose Maria; Ramis Juan, Xavier; Fernandez-Francos, Xavier; Konuray, Osman; Salla Tarrago, Jose Maria; Serra Albet, Angels	Friday, June 21	2:30 PM - 3:00 PM	20
Motoc Luca	Dana	ROMANIA	120	Fire behaviour of a cyanate-ester/epoxy blend based carbon/flax and basalt/flax hybrid composites	Motoc Luca, Dana; Dreyer, Christian	Tuesday, June 18	7:00 PM - 7:30 PM	4

O'Mahony	Charlie	IRELAND	894	Determination of Thermal and Thermomechanical Properties of Biodegradable PLA Blends For 3D Additive Manufacturing Process	O'Mahony, Charlie; Gkartzou, Eleni; Ul Haq, Ehtsham; Koutsoumpis, Stefanos; Charitidis, Costas; Silien, Christophe; Tofail, Syed	Friday, June 21	3:00 PM - 3:30 PM	13
Sedov	Igor	RUSSIA	1221	FSC study of crystallization of cross-linked polycaprolactone	Sedov, Igor; Schick, Christoph; Magsumov, Timur; Abdullin, Albert; Yarko, Egor; Mukhametzyanov, Timur; Klimovitsky, Alexander	Friday, June 21	3:30 PM - 4:00 PM	13
Szlachta	Monika	POLAND	1186	Polyurethanes modified with covalently functionalized hydroxyapatite for application in bone tissue engineering	Szlachta, Monika; Pielichowska, Kinga; Ordon, Klaudia	Thursday, June 20	3:30 PM - 4:00 PM	7
Tarrío-Saavedra	Javier	SPAIN	972	Applications of statistical modeling for TTS principle based on the shifting of curve derivatives	Tarrío-Saavedra, Javier; Meneses, Antonio; Francisco-Fernández, Mario; López-Beceiro, Jorge; Gracia-Fernández, Carlos; Naya, Salvador	Friday, June 21	2:30 PM - 3:00 PM	14
Wang	Youhao	CHINA	82	Effect of hydrogen-bond density on the crystallization kinetics of polyamides investigated by Flash DSC measurement	Wang, Youhao; Li, Xiaoheng; He, Yucheng; Dong, Xia; Wang, Jiping; Hu, Wenbing	Friday, June 21	3:00 PM - 3:30 PM	14

Pyrolysis

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Khiari	Karim	ALGERIA	435	Thermal behavior and kinetic study on the pyrolysis of waste engine oil	Khiari, Karim; Zouad, Youcef; Tarabet, Lyes; Mahmoud, Rachid	Friday, June 21	3:30 PM - 4:00 PM	14

Lu	Yi-heng	CHINA	364	Organotin, calcium-zinc and titanium composites as reinforcing agents and its effects on the thermal stability of polyvinyl chloride	Lu, Yi-heng; Wang, Bing; Lu, Yu-wei	Friday, June 21	2:30 PM - 3:00 PM	15
Petrov	Ivan Y.	RUSSIA	1119	Transformations of Barzas Coal during Its Thermal Treatments in Carbon Dioxide and Hydrogen Media	Petrov, Ivan Y.; Ushakov, Konstantin Y.; Bogomolov, Alexander R.; Tryasunov, Boris G.	Friday, June 21	3:00 PM - 3:30 PM	15

Theory and instrumentation

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Fiurasek	Petr	CANADA	150	McGill Chemistry Characterization (MC2) facility	Fiurasek, Petr	Friday, June 21	3:30 PM - 4:00 PM	15
Markham	Sarah Kate	IRELAND	787	Mir imaging bundles of ordered silver halide polycrystalline fibres	Markham, Sarah Kate; Korsakova, Elena; Korsakov, Aleksandr; Zhukova, Liya; Mani, Aladin; Silien, Christophe; Tofail, Syed; Joanna, Bauer	Friday, June 21	2:30 PM - 3:00 PM	16
Rodríguez de Rivera	Manuel (M)	SPAIN	297	Modeling and simulation of the operation of a calorimetric sensor for medical application	Rodríguez de Rivera, Manuel (M); Rodríguez de Rivera, Pedro Jesús (PJ); Rodríguez de Rivera, Miriam (Mi); Socorro, Fabiola (F)	Friday, June 21	3:00 PM - 3:30 PM	16

Thermal hazards, lifetime prediction

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Belák	Michal	SLOVAKIA	1024	DSC study of gamma radiation and temperature ageing of polyethylene cable insulation	Belák, Michal; Čertík, Milan; Vykydalová, Anna; Cibulková, Zuzana; Šimon, Peter	Friday, June 21	3:30 PM - 4:00 PM	16

Choi	Yirac	SOUTH KOREA	175	Thermal Hazard Evaluation of Tert-butyl Monoperoxymaleate by Calorimetric Technique	Choi, Yirac; Lee, Jungsuk; Seo, Donghyun; Han, Ousup; Lee, Keunwon	Thursday, June 20	3:00 PM - 3:30 PM	8
Cibulková	Zuzana	SLOVAKIA	372	DSC study of antioxidant activity of keratin hydrolysates in polyethylene glycol	Cibulková, Zuzana; Vykydalová, Anna; Dubaj, Tibor; Šimon, Peter	Friday, June 21	2:30 PM - 3:00 PM	17
Lin	Kuei Hua	TAIWAN	441	Evaluation of thermal reaction for aibn and ambn by 20-l-apparatus and calorimetry	Lin, Kuei Hua; Lin, Wei Cheng; Liu, Shang Hao; Shu, Chi Min	Friday, June 21	3:00 PM - 3:30 PM	17
Liu	Yi	CHINA	868	Thermal hazards of 1,1-Di-Tert-Butylperoxy-3,3,5-Trimethylcyclohexane with impurities	Liu, Yi; Gu, Jialei; Shu, Chi-Min; Zhao, Dongfeng; Ping, Ping; Qi, Meng	Friday, June 21	3:30 PM - 4:00 PM	18
Miyake	Atsumi	JAPAN	846	Thermal hazard analysis of polymerizing substances	Miyake, Atsumi; Fujita, Michiya; Izato, Yu-ichiro	Friday, June 21	2:30 PM - 3:00 PM	18
Vykydalova	Anna	SLOVAKIA	382	High-pressure DSC study of coriander oil oxidative stability	Vykydalova, Anna; Cibulková, Zuzana; Belák, Michal; Dubaj, Tibor; Šimon, Peter	Friday, June 21	3:00 PM - 3:30 PM	18

Thermochemistry

Last Name	First Name	Country	ID	Abstract Title	Authors	Date	Time	TV No.
Huang	Youwang	CHINA	910	Sulfation performance of calcium-based sorbent in the presence of CO ₂	Huang, Youwang; Bai, Yajing; Chen, Meiqian; Li, Qinghai	Friday, June 21	3:30 PM - 4:00 PM	19
Jacimovic	Zeljko	MONTENEGRO	1164	Synthesis, physico-chemical and thermal characterization of coordination compounds of Cu(II) with a pyrazole type ligand	Jaćimović, Željko; Holló, Berta Barta; Vojinović Ješić, Ljiljana S.; Radanović, Mirjana M; Rodić, Marko V; Szécsényi, Katalin Mészáros	Friday, June 21	2:30 PM - 3:00 PM	19
Ribeiro da Silva	Ana Luísa	PORTUGAL	1141	Energetic and structural studies on biomass degradation compounds	Ribeiro da Silva, Ana Luísa; Ribeiro da Silva, Maria das Dores M. C.	Friday, June 21	3:00 PM - 3:30 PM	19

Smirnova	Maria	RUSSIA	262	The use of thermal analysis to study the formation of garnet ferrite (Y _{0.5} Bi _{0.5}) ₃ (Fe _{0.5} Ga _{0.5}) ₅ O ₁₂	Smirnova, Maria	Friday, June 21	3:30 PM - 4:00 PM	20
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