JTACC-V4 2023 Poster Sessions* Danubius Hotel Annabella, Ground Floor Lobby					
TV No.	Name		Country	Poster Session 1. / Wednesday, 21 June 9:30-10:00 Abstract title	Торіс
1 2	Pereira Rodríguez Lin	Mercedes Chun-Ping	Spain Taiwan	Assesment of fibre release susceptibility by pilling experiments and thermal analysis techniques Evaluation of the growth-promoting effects of two different types of Pleurotus spp. mushroom polysaccharides on probiotics using microcalorimetry	Bio sciences, including food, soil, textile, wood Bio sciences, including food, soil, textile, wood
3	Compeľová Gupta	Kristína Nitin	Slovakia Austria	Lightweight cement pastes submitted to accelerated carbonation Investigating thermal curing behaviour of phenol formaldehyde resin using differential scanning calorimetry and dielectric analysis	Cements, building materials Calorimetry
5	Moreno-Pirajan	Juan Carlos	Colombia	Enthalpy of immersion of activated carbon in aliphatic and aromatic organic solvents: benzene, toluene, cyclohexane, hexane and in binary mixtures of these compounds	Calorimetry
6	Palou Bolonova	Martin Elena	Slovakia Hong Kong	Mix proportion and experimental study of heavyweight self -compacting concrete based on magnetite and barite The thermodynamic and kinetic study of protein denaturation and renaturation using isothermal titration calorimetry	Cements, building materials Calorimetry
8 9	Pérez-Isidoro Delikhovskyi	Rosendo Yurii	Mexico Poland	Hybrid liposomes of dppc/cholesterol/octyl-beta-D-glucopyranoside with and without ibuprofen: calorimetric and morphological study Influence of selected grain size fractions of coal fly ash on properties of clay- cement mortars used for the flood levees construction	Calorimetry Cements, building materials
10 11	Koňáková Vejmelková	Dana Eva	Czech Republic Czech Republic	Mechanism of thermal activation of low-grade mixed clays Phase development of lime-based plasters blended with waste calcined shale studied by means of thermal analysis	Cements, building materials Cements, building materials
12 13 14	Hruska Kusiorowski Nowacka	Branislav Robert Mariola	Slovakia Poland Polans	Preparation of monophasic YAG raw material by multi-stage process Characterization of asbestos-containing wastes by thermal analysis Studies on the reactivity of aluminosilicate addition in the hydrated calcium	Ceramics, glasses Cements, building materials Cements, building materials
15	Lőrinczy	Dénes	Hungary	aluminate cement system Thermal analysis of biceps tendon of patients underwent reversed shoulder arthroplasty due to comminuted proximal humerus fractures	Life sciences
TV No.	Name Čepčianska	Jana	Country Slovakia	Poster Session 2. / Wednesday, 21 June 10:00-10:30 Abstract title Study of supplementary cementitious materials influence on the hydration course	Topic Cements, building materials
2	Tsai	Shu-Yao	Taiwan	of fiber reinforced heavy-weight self-compacting mortars by thermal analysis and mercury intrusion porosimetry Antioxidant, oxidation stability via thermal analysis, and anti-inflammatory properties of antrodia camphorata and sanghuangporus sanghuang complex	Bio sciences, including food, soil, textile, wood
3	Compeľová Estokova	Kristína Adriana	Slovakia Slovakia	extracts Combined chemical corrosion of cementitious binders at hydrothermal conditions Diagnostics of concrete materials' deterioration – a case study	Cements, building materials Cements, building materials
5	Moreno-Pirajan Gerle	Juan Carlos Anna	Colombia Poland	Adsorption calorimetry: comparative study between experimental determinations and theoretical models using Gas-MOF's Thermogravimetric analysis of oxidation reaction of graphites for refractory materials	Calorimetry Ceramics, glasses
7	Pisarska Pérez-Isidoro	Joanna Rosendo	Poland Mexico	Thermal, structural and optical aspects for germanate ceramics Biophysical study of copolymer-bioconjugates decorated liposomes with and without amantadine	Ceramics, glasses Calorimetry
9 10	Szumera Akusevich	Magdalena Alena	Poland Slovakia	Implications of sulfate addition on glass forming properties of the SiO2-P2O5-K2O- MgO-CaO system Microstructure and mechanical properties of ceramic material in system Al2O3- Y2O3 prepared by horizontal directed crystallization method	Ceramics, glasses Ceramics, glasses
11 12 13	Chromcikova Hruska Pisarski	Maria Branislav Wojciech	Slovakia Slovakia Poland	Thermal properties and thermodynamic model of lithium doped 45S5 bioglass Thermodynamic model of 45S5 bioglass Influence of titanium dioxide concentration on thermal properties of germanate	Ceramics, glasses Ceramics, glasses Ceramics, glasses
14 15	Csáki Trnik	Stefan Anton	Slovakia Slovakia	based glasses Heat induced reactions in ceramics described in terms of dc electrical conductivity Kinetic analysis of the formation of high-temperature phases in illitic clay and	Ceramics, glasses Ceramics, glasses
TV No.	Name		Country	Iimestone mixtures Poster session 3. / Wednesday, 21 June 15:40-16:10 Abstract title	Торіс
1	Vlase	Titus	Romania	Multiple technique analysis of pottery and clay samples from the eneolithic settlement Şoimuş - avicola site/ Şoimuş - Teleghi (Şoimuş, Hunedoara county, Romania)	Cultural heritage
2 3	Ksepko Balaz Zemenová	Ewelina Peter	Poland Slovakia	Reactivity studies of mixed metal iron-manganese based oxygen carriers Manipulation with mineral chalcopyrite CuFeS2 via mechanochemistry: thermoanalytical and thermoeletric performance	Energetic materials Energetic materials
4 5 6	Zemenová Hobbs Manasieva	Petra Michael L. Delyana	Czech Republic USA Bulgaria	Influence of purity and grain size distribution of powdered NaCl on its thermal properties Predicting detonator failure using DSC data Electrochemical properties of sulfates of transition metals and sodium as electrode	Materials science Energetic materials Energy conversion and storage
7	Gwóźdź	Marinova Paulina Weronika	Poland	materials in hybrid metal-ion batteries The effect of calcium amount and non-stoichiometry in the a-sublattice on the properties of doped strontium calcium titanate	Energy conversion and storage
8 9 10	Pielichowska Mesgarpour Santos	Kinga Mehrdad Andreia F N	Poland Thailand Portugal	Thermochromic phase change materials for thermal energy storage A hybrid prediction method for study the effect of the shell-side flow microparticle fouling process on the thermal efficiency of shell and tube heat exchangers Analyzing the thermal properties of geopolymers: a case study on energy	Energy conversion and storage Energy conversion and storage Cements, building materials
10 11 12	Pólka Lakzian	Marzena Kazem	Poland Taiwan	conservation for the construction sectorAnalysis of thermal and smoke generating properties of selected leathersA mathematical model to predict the flash point behavior of solvent + ionic liquids	Fire dynamics (or others for fire safety) Fire dynamics (or others for fire safety)
13	Xiao	Yang Mustafa	China Türkiye	mixtures Effects on the characteristic of coal-dust explosion from different pre-oxidation coal samples Organic, thermal and model free kinetics of Celtek region oil shale deposits	Fuels, biofuels
14 15	Kok Lemago	Mustafa Versan Hamsasew Hankebo	Türkiye Hungary	Organic, thermal and model free kinetics of Celtek region oil shale deposits Thermal and plasma-assisted atomic layer deposition for the synthesis of inverse opal photocatalysts	Fuels, biofuels Nanomaterials and composites
TV No.	Name Blanco	Ignazio	Country	Poster Session 4. / Thursday, 22 June 9:30-10:00 Abstract title Recycling volcanic fly ash through geopolymers: synthesis and thermal	Topic Geosciences and minerals
2	Blanco Lezzerini	Ignazio Marco	Italy Italy	Recycling volcanic fly ash through geopolymers: synthesis and thermal characterization Reactivity and overburning of quicklime: the case of limestones belonging to Tuscan Nappe Sequence (NW Tuscany, Italy)	Geosciences and minerals Geosciences and minerals
3 4 5	van der Merwe Chen Kundu	Liezel Meiqian Pranab	South Africa China India	Thermochemical processing as an alternative to acid leaching for improved extraction of aluminium from coal fly ash Regeneration behavior of solid desiccants with microwave-assisted hot air drying MHD free convection within square and rhombic contours actuated from below: a	Geosciences and minerals Heat transfer Heat transfer
6	Bhattacharyya	Franab Kumar Suvanjan	India	MHD free convection within square and rhombic contours actuated from below: a theoretical relative study Experimental and numerical investigation of nanoparticle assisted pcm based battery thermal management system	Heat transfer Heat transfer
7 8	Jaćimović Dąbrowska	Željko Grażyna	Montenegro Poland	Synthesis, structural, and thermal characterization of novel fomepizole complexes of Zn(II) and Ni(II) MgO–P2O5–Cr2O3 system: phase equilibria and properties of chromium magnesium phosphates	Inorganic materials Inorganic materials
9 10	Bosacka Lysowski	Monika Rafal	Poland Poland	The reactivity of CeO2 towards MoO3 in air atmosphere Determination of Curie points of selected oxygen carriers using TGA method	Inorganic materials Inorganic materials
11 12 13	Balintova Krishnan Duller	Magdalena Dhiya Martina	Slovakia Slovakia Austria	Using of thermal analysis for the study of barium sulphate reduction The phase equilibria of Na3AlF6–NdF3 and (Na3AlF6–NdF3)eut–Nd2O3 systems Thermal curing behavior of bio-based melamine formaldehyde impregnating resins using sorbitol	Inorganic materials Inorganic materials Kinetics and catalysis
14	Saravanamuthu	Siva Kaylasa Sundari	Austria	Prediction of kinetic triplets for thermal curing of bio-based Epoxy resin	Kinetics and catalysis
15	Manic	Nebojsa	Serbia	Recovering of metals and metal oxides through thermal decomposition process of coal bottom ash: a comprehensive kinetic analysis Poster Session 5. / Thursday, 22 June 10:00-10:30	Kinetics and catalysis
TV No. 1 2	Name Lőrinczy Pólka	Dénes Marzena	Country Hungary Poland	Abstract title Thermal analysis of the EB1 protein Comparative analysis of the explosion parameters of selected gluten-free flour	Topic Life sciences Fire dynamics (or others for fire safety)
3	Elhenawy Balaz	Yasser Peter	South Africa Slovakia	dusts Biofuels production from camel thorn biomass using pyrolysis process Promising optoelectric and thermoelectric properties of mechanochemically	Pyrolysis Energetic materials
5	Wu Popis	Chung-Hao Julia	Taiwan Poland	synthesized skinnerite Cu3SbS3 and wittichenite Cu3BiS3 Mechanical properties of fiber-reinforced concrete incorporating high volume fly ash cured with brinewater Structural and thermal investigation of the ternary Mg-Zn-Ca system	Materials science Materials science
7 8	Vecchio Ciprioti Dudek	Stefano Magdalena	Italy Poland	Assessment of thermal stability of two N-ethoxyethyl-N-methylpiperidinium oxalatoborate ionic liquids by thermal analysis and Knudsen effusion techniques Morphology-related thermal properties of nanocomposite membranes used in the	Materials science Materials Science
9	Delikhovskyi Morawiec	Yurii Mateusz	Poland	rental replacement therapies Grain size influence on speciation of selected properties of fractionated coal fly ashes Nanobainite formation in high-AI medium-Mn steels: Thermodynamic approach	Materials science
10	Dohnalová Vladut	Žaneta Cristina M.	Czech Republic Romania	Effect of dopants on the properties of high temperatureSrSnO3 perovskite compounds Synthesis and characterization of doped zinc oxide nanoparticles for nanofluids	Materials science Materials science
13 14	Rutkowski Petreanu	Paweł Irina M.	Poland Romania	Thermal characteristics of polyurethanes for joints applications of wooden structures Thermal analysis of sulfonated polysulfone	Materials science Materials science
15	Černičková	Ivona	Slovakia	The effect of nickel addition on the microstructure of SAC 305 lead-free solders Poster Session 6. / Thursday, 22 June 15:40-16:10	Materials science
TV No. 1 2	Name Ďuriška Moyo	Libor Dennis	Country Slovakia South Africa	Abstract title Influence of gallium addition on the microstructure and properties of SAC 305 lead-free solders Thermal and structural characterization of fipronil	Topic Materials science Materials science
3	Šulcová	Simbarashe Petra	Czech Republic	Preparation of alkaline earth metal stannate perovskites by thermal decomposition of ASn(OH)6 (A = Ca AND Sr)	Materials science
4	Zemenová Wu	Petra Chung-Hao	Czech Republic Taiwan	Effect of sodium chloride on the oxidation process and properties of nanodiamonds The micro-hardness of the interfacial transition zone between steel bar and lightweight aggregate concrete with high volume blast furnace slag	Materials science Materials science
6 7 8	Popis Contri Bohus	Julia Boris Marcell	Poland France Hungary	Thermal behaviour of Mg-Zn-Ca-Pr alloy synthesized by mechanical alloying Behaviour of Inconel®625 in CO2 between 900 and 1000°C Comperative study on stability, viscosity and thermal conductivity of hydroxyl and	Materials science Metals, alloys, intermetallics Nanofluids
9 10	Navratilova Oon	Jana Cheen	Czech Republic Malaysia	carboxyl group functionalized multi walled carbon nanotube nanofluids The effect of various β-nucleating agents on the morphology of polypropylene Thermohydraulic analysis of conical annular fins coupled with clove-treated	Polymers Nanofluids
11 12	Mocioiu Ferdows	Sean Oana Catalina Mohammad	Romania Bangladesh	graphene nanoplatelets nanofluids within an annular domain Thermal behaviour and optical properties of silver doped zinc oxide nanoparticles obtained by sol-gel and microwave assisted sol-gel m ethods Non-linear simulations of nanofluid flow in an MHD convective moving flat plate	Nanofluids
12	Settar	Mohammad Ferdows Abdelhakim	France	Effect of calcination temperature on the phase composition, morphology, thermal proprieties of ternary nanocomposites Mg-Zn-Co oxide by hydrothermal method for solid hydrogen storage	Nanofluids Nanomaterials and composites
14 15	Angelopoulos Vágvölgyi	Panagiotis Veronika	Greece Hungary	CFD simulation of the processing and expansion of hydrous minerals in a pilot furnace Preparation and photocatalytic activity of halloysite - Ni/Zn-oxide - magnetite	Materials science Nanomaterials and composites
TV No.	Name		Country	Poster Session 7. / Friday, 23 June 9:30-10:00 Abstract title	Topic
1 2	Uskaikar Blanco	Harsha Ignazio	India Italy	Synthesis of Co3O4/ Polyaniline nanocomposite: structural, morphological, electrical and electrocatalytic properties Thermal and radiation stability of POSS by the presence of hydrocarbon	Nanomaterials and composites Nanomaterials and composites
3	Kristl Grabchev	Matjaž Ivo	Slovenia Bulgaria	substituents Synthesis and thermal characterization of magnetite-based functionalized nanoparticles for forward osmosis Photosensitive dendrimers as a good alternative to antimicrobial photodynamic	Nanomaterials and composites Organic materials
5	Konstantinov	Konstantin M	Bulgaria	therapy of gram-negative bacteria Synthesis and optical properties of peri-disubstituted tellurolo-1,8-naphtalimides	Organic materials
6 7 8	Mutovska Staneva Stovanov	Monika Desislava Stanimir S	Bulgaria Bulgaria Bulgaria	Synthesis of heterocyclic extended 1,8-naphtalimides Enhanced photodynamic efficacy using 1,8-naphthalimides: potential application in antibacterial photodynamic therapy Dioxepine-peri-annulated PMIs – synthesis and spectral and sensing properties	Organic materials Organic materials Organic materials
8 9 10	Stoyanov Zagranyarski Bumbac	Stanimir S Yulian D Marius	Bulgaria Bulgaria Romania	Dioxepine-peri-annulated PMIs – synthesis and spectral and sensing properties New powerful building block molecules in 1,8-naphthalimide chemistry Influence of biogenic material content on biodegradability of styrene-butadiene composites with chlorella vulgaris biomass	Organic materials Organic materials Polymers
11 12	Gomes Vlase	Ana Paula Barreto Gabriela	Brazil Romania	Compatibility evaluation between tamsulosin and pharmaceutical excipients Preliminary study of polymer-based membrane for methotrexate drug delivery	Pharmaceuticals Pharmaceuticals
13 14	Nicolescu Vlase	Cristina Mihaela Titus	Romania Romania	On the structural consequences in the thermal degradation of styrene block copolymers Kinetic study and thermal stability of Sartan class drugs	Polymers Pharmaceuticals
15 TV No.	Cavalheiro Name	Éder TG	Brazil	Thermal behavior and drug/excipient compatibility studies of antiviral famciclovir Poster Session 8. / Friday, 23 June 10:00-10:30 Abstract title	Pharmaceuticals Topic
TV No. 1 2	Name Pucko Gajzlerova	Ivan Lenka	Country Croatia Czech Republic	Abstract title Influence of functional comonomers in the polymer additive on the low- temperature properties of diesel fuel The influence of specific nucleation and branching on the properties of blends of	Topic Polymers Polymers
3	Várady	Zalán István	Hungary	polypropylene Investigation of stability, rheological properitys and thermal conductivity oh hybrid SiO2-ZnO nanofluids	Nanofluids
4 5 6	Samal Aljamal Fischer	Sneha Amer Olivier	Czech Republic Hungary Canada	Thermo-mechanical effect on NiTi ribbon with PMMA polymer Utilisation of phytic acid as a reactive flame retardant in the preparation of a fully biobased waterborne epoxy coating Thermogravimetric analysis and kinetic modeling of the pyrolysis of the AAEM-	Polymers Polymers
6 7	Fischer Lukács	Olivier Nóra	Canada Hungary	Thermogravimetric analysis and kinetic modeling of the pyrolysis of the AAEM- catalyzed pyrolysis of spruce wood, wheat straw, switchgrass, miscanthus and swine manure Flame retardancy of recycled PET foams produced by batch foaming	Pyrolysis Polymers
8	Slezák Pagacz	Emese Joanna Michalina	Hungary Poland	Balanced improvement of mechanical properties and thermal resistance of recycled PET by additives and post-crystallization Poly(e-caprolactone)/hydroxyapatite composites - thermal and IR studies on the modified material	Polymers Polymers
10	Bumbac Gomes	Marius Ana Paula Barreto	Romania Brazil	Stability effects of microalgae extracts in the SBS substrate Compatibility study drug-excipient: an evaluation between hydroquinone and imidazolidinyl urea interactions	Polymers Pharmaceuticals
12 13	Vlase Nicolescu	Gabriela Cristina Mihaela	Romania Romania	Compatibility study for new transdermal Leflunomide delivery systems Biodegradation study of styrene-butadiene composites with arthrospira platensis biomass	Pharmaceuticals Polymers Polymers
14 15	Vázquez Pielichowski	Laura S. Krzysztof	Spain Poland	Isothermal crystallization kinetics of two polyamides Non-isocyanate polyurethane hydrogels modified physically with POSS – thermal study Poster Session 9. / Friday. 23. June 15:20-15:50	Polymers Polymers
TV No. 1	Name Bulátkó	Anna	Country Hungary	Poster Session 9. / Friday, 23 June 15:20-15:50 Abstract title Intermolecular interactions in controlled release systems	Topic Polymers
2	Li	Mi Nebojsa	China Serbia	Research on the pyrolysis mechanism of waste wood using modified distributed activation energy model Nitrogen distribution analysis during the devolatilization process of various feedstocks using TG-DTG-MS analysis	Pyrolysis Pyrolysis
4	Betovics Elhenawy	András Yasser	Hungary South Africa	feedstocks using IG-DIG-MS analysis Environmentally friendly production of electricity, heat and cold energy with a CHP pyrolysis small power plant Experimental analysis and numerical simulation of biomass pyrolysis	Pyrolysis Pyrolysis
6 7	Vecchio Ciprioti Sestak	Stefano	Italy Czech Republic	Thermal degradation study and evaluation of fire properties of epoxy modified resins Heat: from caloric to entropy and interpretation of Boltzmann constant	Materials science Theory and instrumentation
8 9	Kaniewski Liao	Maciej Sheng-Wei	Poland Taiwan	Examination of possible inhibitors of ammonium nitrate decomposition under limited mass transfer conditions Study on the connection between fire/explosion limit and the gas components released after thermal runaway of lithium-ion batteries under different soc levels	Thermal hazards, lifetime prediction Thermal hazards, lifetime prediction
10 11	Tseng Shu	Jo-Ming Chi-Min	Taiwan Taiwan	Thermal Inhibition analysis on ammonium nitrate mixed with dry extinguishing agent Components and thermal hazard characteristics of spark fireworks and cold light	Thermal hazards, lifetime prediction Thermal hazards, lifetime prediction
12 13	Chen	Meiqian Kun	China	fireworks Experimental evaluation on pyrolysis and gasification characteristics of simulated waste cation exchange resin Predicting and optimizing on decontamination performance of metallic	Thermochemistry
13 14 15	Fu Sogut Wong	Kun M. Ziya Keng Yinn	China Türkiye Malaysia	radionuclides in irradiated graphite in a fluidized bed reactor Hydraulic balance effect of heating systems considering exergetic sustainability Utilising localised exhaust and air curtain to reduce airborne particle settlement on	Thermochemistry Energy conversion and storage Life sciences
	nizers reserve the right			surgical patients: Potential future application in operating rooms?	