

ESTAC14
14th European Symposium on
Thermal Analysis and Calorimetry
SPLIT • CROATIA • SEPTEMBER 15–18, 2026



PROGRAM BOOK

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ESTAC14 PROGRAM BOOK

Editors

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**14th European Symposium
on Thermal Analysis and Calorimetry (ESTAC14)**

*15–18 September 2026
Split, Croatia*

The 14th European Symposium on Thermal Analysis and Calorimetry

ESTAC14

15–18 September 2026 – Split, Croatia

is organized by the:



CEEC-TAC
**Central and Eastern European Committee
for Thermal Analysis and Calorimetry**

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PROGRAM

Tuesday, 13 th of September		Wednesday, 16 th of September		Thursday, 17 th of September		Friday, 18 th of September		
9 ⁰⁰ -16 ³⁰	Sponsors Workshops on TA&C (program available HERE)	9 ⁰⁰ -9 ⁴⁵	Wenbing Hu, PL1	9 ⁰⁰ -9 ⁴⁵	Kinga Pielichowska, PL2	9 ⁰⁰ -9 ⁴⁵	Gabriela Zelenková, APL4	
		9 ⁴⁵ -10 ¹⁵	Platinum Sponsor, TL1 Superlab/PerkinElmer	9 ⁴⁵ -10 ⁰⁵	Gold Sponsor, TL3 Waters Materials Science	9 ⁴⁵ -9 ⁵⁵	Silver Sponsor, TL5 Rigaku	
		10 ¹⁵ -10 ⁴⁵	IL1	10 ¹⁵ -10 ⁴⁵	IL5	10 ¹⁵ -10 ⁴⁵	Silver Sponsor, TL6 Mettler Toledo	
		10 ⁴⁵ -12 ⁰⁰	Poster Session 1 Coffee break		Poster Session 2 Coffee break		Poster Session 3 Coffee break	
		12 ⁰⁰ -12 ²⁰	OP1.01	OP2.01	OP3.01	OP1.09	OP2.09	OP3.09
14 ⁰⁰ -16 ⁰⁰	ESTAC14 General Assembly	12 ²⁰ -12 ⁴⁰	OP1.02	OP2.02	OP3.02	OP1.10	OP2.10	OP3.10
		12 ⁴⁰ -13 ⁰⁰	OP1.03	OP2.03	OP3.03	OP1.11	OP2.11	OP3.11
		13 ⁰⁰ -13 ²⁰	OP1.04	OP2.04	OP3.04	OP1.12	OP2.12	OP3.12
		13 ²⁰ -14 ⁴⁵	Lunch		Lunch		Lunch	
		14 ⁴⁵ -15 ³⁰	Ignazio Blanco, APL2		14 ⁴⁵ -15 ³⁰		Peter Šimon, APL3	
		15 ³⁰ -15 ⁵⁰	Gold Sponsor, TL2 Netzsch/Altium International		15 ³⁰ -15 ⁴⁰		Silver Sponsor, TL4 AstrinexLab/Hitachi	
		15 ⁵⁰ -16 ²⁰	IL3	IL4	IL7	IL8	Closing Ceremony	
		16 ²⁰ -17 ⁰⁰	Coffee break					
		17 ⁰⁰ -17 ²⁰	OP1.05	OP2.05	OP3.05			
		17 ²⁰ -17 ⁴⁰	OP1.06	OP2.06	OP3.06			
16 ³⁰ -18 ⁰⁰	Registration of participants	17 ⁴⁰ -18 ⁰⁰	OP1.07	OP2.07	OP3.07	16 ⁰⁰ -19 ⁰⁰		
18 ⁰⁰ -18 ²⁰		OP1.08	OP2.08	OP3.08	16 ⁰⁰ -19 ⁰⁰			
19 ⁰⁰ -19 ⁴⁵		Opening Ceremony Nicolas Sbirrazzuoli, APL1		Afternoon break		Afternoon break		
20 ⁰⁰ -23 ³⁰	Welcome Cocktail			19 ⁰⁰ -23 ³⁰		Conference Dinner		
						City tour		

1. Lecture hall A at Faculty of Chemistry and Technology (A-02, Level 0)	
2. Lecture hall B at Faculty of Chemistry and Technology (A-01, Level 0)	
3. Lecture hall C at Faculty of Chemistry and Technology (A-03, Level 0)	
4. Square in front of the Faculty of Chemistry and Technology	
5. Space next to the A-02, Level 0, at the Faculty of Chemistry and Technology	
6. Canteen at the Student Center, University of Split	
7. The Mediterranean Institute for Life Sciences, Meštrovićevo šetalište 45, 21000 Split https://maps.app.goo.gl/ZHWDPQhCS2R3wdIR9	
8. Starting place: https://maps.app.goo.gl/ahHd5u71PYcgf68	

Program of ESTAC14 15-18 September 2026 Split, Croatia

9⁰⁰-16³⁰

Faculty of Chemistry and Technology
Sponsors Workshops on TA&C

14⁰⁰-16⁰⁰

Lecture hall A (Blue) ●
ESTAC14 General Assembly

12⁰⁰-16³⁰

Poster and Coffee break area
Registration of participants at ESTAC14

16³⁰-18⁰⁰

Afternoon break

18⁰⁰-19⁰⁰

Lecture hall A (Blue) ●
Opening Ceremony

19⁰⁰-19⁴⁵ APL1

Lecture hall A (Blue) ●
Chair: *Rotaru Andrei*
Nicolas Sbirrazzuoli
ADVANCED KINETIC ANALYSIS OF POLYMERS MECHANISTIC
INSIGHTS, SIMULATION BREAKTHROUGHS, AND FUTURE
DIRECTIONS

20⁰⁰-23³⁰

Welcome Cocktail

Wednesday, 16th of September

Lecture hall A (Blue) ●

- 09⁰⁰-09⁴⁵ PL1 Chair: *Kučerík Jiří*
CHIP-CALORIMETRY CHARACTERIZATION OF
MICROMETER THERMAL CONDUCTIVITY
Hu Wenbing
- 09⁴⁵-10¹⁵ TL1 USING A NOVEL MODE OF OPERATION OF TGA-GC/MS
FOR TIRE WEAR PARTICLES (TWP_s) ANALYSIS
Marc-Krystelle Mafina
- 10¹⁵-10⁴⁵ IL1 UNVEILING GLASS TRANSITION KINETICS VIA
ADVANCED THERMAL ANALYSIS
Málek Jiří

Lecture hall B (Yellow) ●

- 10¹⁵-10⁴⁵ IL2 Chair: *Perinović Jozić Sanja*
THERMAL DECOMPOSITION BEHAVIOR OF
NITROCELLULOSE MEMBRANES FOR LATERAL FLOW
IMMUNOASSAY
Katoh Katsumi
- 10⁴⁵-12⁰⁰ **Poster and Coffee break area**
Poster Session 1 & Coffee Break

Lecture hall A (Blue) ●

- 12⁰⁰-12²⁰ OP1.01 Chair: *Málek Jiří*
THERMAL CHARACTERIZATION AS A TOOL TO
UNDERSTAND THE PROCESSING-STRUCTURE
RELATIONSHIP IN SUSTAINABLE POLYMER-BASED
MATERIALS
**Ivorra-Martinez Juan (The 2026 Rigaku-ICTAC
Promising Researcher Award)**
- 12²⁰-12⁴⁰ OP1.02 UNIFIED KINETIC THEORY AND ITS APPLICATION FOR
REVERSIBLE THERMAL DEHYDRATION AND HYDRATION
PROCESSES IN SOLID-GAS SYSTEMS
Koga Nobuyoshi
- 12⁴⁰-13⁰⁰ OP1.03 EFFECT OF WATER VAPOR ON THE KINETICS OF
REVERSIBLE THERMAL DEHYDRATION OF COPPER(II)
CHLORIDE DIHYDRATE AND HYDRATION OF ITS
ANHYDRIDE
Hotta Mito
- 13⁰⁰-13²⁰ OP1.04 PREDICTION OF NUCLEATION EFFICIENCY BASED ON
MATCHING LATTICE DIMENSIONS
Kállay-Menyhárd Alfréd

Lecture hall B (Yellow) ●

Chair: *Dambrauskas Tadas*

12⁰⁰-12²⁰ OP2.01 HIGH-PERFORMANCE THERMOCHROMIC COATINGS WITH W-DOPED VO₂ NANOPARTICLES IN SiO₂ MATRIX SYNTHESIZED USING A FAST THERMAL OXIDATION
Zuzjakova Sarka

12²⁰-12⁴⁰ OP2.02 A COMPLETE TIME-TEMPERATURE-TRANSFORMATION DIAGRAM FOR THE AEROSPACE EPOXY RESIN RTM6: INTEGRATING CURE KINETICS, THERMAL DEGRADATION AND CURING OVERHEATING
Cârstea Didina-Ramona-Casandra

12⁴⁰-13⁰⁰ OP2.03 METASTABLE W–Zr THIN-FILM ALLOYS: EFFECT OF COMPOSITION ON PROPERTIES, THERMAL STABILITY AND OXIDATION RESISTANCE
Cervena Michaela

13⁰⁰-13²⁰ OP2.04 KINETIC ANALYSIS OF METAL OXIDE THIN FILM PREPARED BY AEROSOL WRITING
Mandić Vilko

Lecture hall C (Red) ●

Chair: *Achillias Dimitris*

12⁰⁰-12²⁰ OP3.01 FROM VISCOSITY TO CRYSTAL GROWTH: KINETIC PROCESSES IN CHALCOGENIDE GLASSES
Vaculík David

12²⁰-12⁴⁰ OP3.02 DIELS-ALDER-BASED POLYMER NETWORK DESIGN: STRUCTURE, REACTIVITY, PROCESSING AND PROPERTY RELATIONS
Brancart Joost

12⁴⁰-13⁰⁰ OP3.03 EXPLORING HIDDEN RELATIONSHIPS IN DSC DATA OF RECYCLED POLYETHYLENE TEREPHTHALATE THROUGH MULTIVARIATE STATISTICAL ANALYSIS
Potočník Martina

13⁰⁰-13²⁰ OP3.04 PROCESSING-INDUCED THERMAL AND MOLECULAR CHANGES IN RECYCLED POLYSTYRENE/LIGNIN SYSTEMS
Pongrac Petra

13²⁰-14⁴⁵ **Lunch**
Canteen at the Student Center

Lecture hall A (Blue) ●

- 14⁴⁵-15³⁰** APL2 Chair: *Lazzara Giuseppe*
BEHIND THE DATA: THOROUGHNESS, ACCURACY,
AND INNOVATION IN THERMAL AND CALORIMETRIC
MEASUREMENTS
Blanco Ignazio
- 15³⁰-15⁵⁰** TL2 RHEOMETRY AS A COMPLEMENTARY TECHNIQUE TO
THERMAL ANALYSIS: A JOURNEY THROUGH TYPICAL
APPLICATIONS
Remmler Torsten
- 15⁵⁰-16²⁰** IL3 MICROWAVE HEATING OF CARBON MATERIALS:
FUNDAMENTALS AND APPLICATIONS
Petuhov Oleg

Lecture hall B (Yellow) ●

- 15⁵⁰-16²⁰** IL4 Chair: *Mandić Vilko*
RESPONSE SURFACE METHODOLOGY IN THE RESEARCH
OF WASTE PLASTIC PYROLYSIS
Papuga Saša
- 16²⁰-17⁰⁰** **Coffee break**

Lecture hall A (Blue) ●

- 17⁰⁰-17²⁰** OP1.05 Chair: *Stanković Branislav*
CRITICAL ASSESSMENT OF CRYSTALLIZATION KINETICS
PREDICTION FROM ROUTINE DSC
Shánělová Jana
- 17²⁰-17⁴⁰** OP1.06 THE MULTIPLE MODULE CALORIMETER (MMC)
Füglein Ekkehard
- 17⁴⁰-18⁰⁰** OP1.07 THERMAL DECOMPOSITION STUDY OF SODIUM,
MANGANESE AND NICKEL ACETATE: FROM
PRECURSORS TO FUNCTIONAL OXIDES
Al Zeer Omar
- 18⁰⁰-18²⁰** OP1.08 THERMAL BEHAVIOR OF CESIUM IODIDE AND SODIUM
IODIDE FOR GASEOUS IODINE FORMATION IN SFR
Kikuchi Shin

Lecture hall B (Yellow) ●

Chair: *Slovák Václav*

- 17⁰⁰-17²⁰** OP2.05 THERMAL STABILITY OF MIXED STRUCTURES OF WOLFRAMITE AND SCHEELITE
Stibral Jiří
- 17²⁰-17⁴⁰** OP2.06 SURFACE MOBILITY IN AMORPHOUS CHALCOGENIDE FILMS PREPARED BY THERMAL EVAPORATION AND SOLUTION PROCESSING
Barták Jaroslav
- 17⁴⁰-18⁰⁰** OP2.07 MAXIMIZING THE VALUE OF THERMAL ANALYSIS FOR DIFFICULT AND ONE-SHOT SAMPLES
Topić Edi
- 18⁰⁰-18²⁰** OP2.08 VALORISATION OF KAOLINITIC CLAYS, NATURAL POZZOLANS AND CONSTRUCTION AND DEMOLITION WASTE MIXTURES AS PORTLAND CEMENT SUBSTITUTES
Alfonso Pura

Lecture hall C (Red) ●

Chair: *Faraguna Fabio*

- 17⁰⁰-17²⁰** OP3.05 COMPREHENSIVE CHARACTERIZATION OF ENVIRONMENTAL MICROPLASTICS AND THEIR DEGRADATION PRODUCTS: A COMBINED PYROLYSIS AND UHPLC APPROACH
Ciesielska Aleksandra
- 17²⁰-17⁴⁰** OP3.06 FROM GREEN CHEMISTRY TO SUSTAINABLE ENERGY: PHYSICOCHEMICAL PERSPECTIVES ON ADVANCED MATERIALS AND ENVIRONMENTAL SYSTEMS
Ciesielski Wojciech
- 17⁴⁰-18⁰⁰** OP3.07 TEMPERATURE DEPENDENT RHEOLOGY AS A VERSATILE TOOL FOR THE ASSESSMENT OF PROFESSIONAL DETERGENTS
Radovanović-Perić Floren
- 18⁰⁰-18²⁰** OP3.08 EFFECT OF PROCESSING CONDITIONS ON THE DEGRADATION, MISCIBILITY, AND MECHANICAL BEHAVIOUR OF PLA/PGA BLENDS PREPARED BY TWIN-SCREW EXTRUSION
Anelić Rafael

Thursday, 17th of September

Lecture hall A (Blue) ●

Chair: *Erceg Matko*

09⁰⁰-09⁴⁵ PL2 HYBRID PHOTOTHERMAL PHASE CHANGE MATERIALS FOR NEXT-GENERATION THERMAL ENERGY STORAGE TECHNOLOGIES

Pielichowska Kinga

09⁴⁵-10⁰⁵ TL3 CALORIMETRY AS A TOOL TO ASSESS BATTERY RUNAWAY REACTIONS

Del Buffa Stefano

10¹⁵-10⁴⁵ IL5 EVOLUTION OF ANIMAL GLUES TOWARD NEXT-GENERATION COLLAGEN-BASED BIOADHESIVES: A SYSTEMATIC STUDY OF THE GLUING PROCESS

Duce Celia

Lecture hall B (Yellow) ●

Chair: *Kukoč Lea*

10¹⁵-10⁴⁵ IL6 SOME APPLICATIONS OF THERMAL METHODS IN PHASE DIAGRAM CONSTRUCTION AND THERMODYNAMIC CHARACTERIZATION OF BINARY ORGANIC SYSTEMS

Spasov Tony

10⁴⁵-12⁰⁰ **Poster and Coffee break area**

Poster Session 2 & Coffee Break

Lecture hall A (Blue) ●

Chair: *Čelan Koroščin Nataša*

12⁰⁰-12²⁰ OP1.09 THERMAL STABILITY PREDICTION OF SUGAR ALCOHOLS

Fulop Tadeas

12²⁰-12⁴⁰ OP1.10 DUAL INHIBITION EFFECT OF DEEP EUTECTIC SOLVENTS, RELINE, MALINE, AND GLYCELINE ON METHANE HYDRATE NUCLEATION AND FORMATION

Chen Li-Jen

12⁴⁰-13⁰⁰ OP1.11 INVESTIGATING THE ROLE OF COAL RANK IN COMBUSTION BEHAVIOR: KINETIC AND THERMODYNAMIC EVALUATION

Çilgi Gülbanu Koyundereli

13⁰⁰-13²⁰ OP1.12 FROM FUNDAMENTAL REACTIVITY TO 3D-PRINTED ARCHITECTURES: ADVANCES IN CAO-BASED MATERIALS FOR THERMOCHEMICAL ENERGY STORAGE

Sánchez-Jiménez Pedro E.

Lecture hall B (Yellow) ●

Chair: *Vlase Titus*

- 12⁰⁰-12²⁰** OP2.09 SUSTAINABLE UTILIZATION OF IZMIT GULF MARINE SEDIMENTS FOR GLASS AND ENAMEL PRODUCTION
Dermikol Nermin
- 12²⁰-12⁴⁰** OP2.10 APPLICATION OF DIFFERENTIAL SCANNING CALORIMETRY FOR THE DETERMINATION OF QUARTZ CONTENT IN MINERAL MATRIX MATERIALS
Pfeiler-Deutschmann Martin
- 12⁴⁰-13⁰⁰** OP2.11 THERMODYNAMIC AND THERMAL CHARACTERIZATION OF IONIC LIQUIDS AND IONOGELS FOR SUSTAINABLE ENERGY STORAGE
Vieito Parajó Juan José
- 13⁰⁰-13²⁰** OP2.12 SUSTAINABLE AQUEOUS ELECTROCHEMICAL ENERGY-STORAGE SYSTEMS BASED ON PRUSSIAN BLUE/BIOCHAR COMPOSITE ELECTRODES AND INORGANIC FUNCTIONAL ADDITIVES
Kulawik Damian

Lecture hall C (Red) ●

Chair: *Pielichowska Kinga*

- 12⁰⁰-12²⁰** OP3.09 FROM PHASE-CHANGE TO STIMULI-RESPONSIVE SYSTEMS: THE ROLE OF THERMAL ANALYSIS AND CALORIMETRY IN ENGINEERING PICKERING WAX-BASED MICROPARTICLES
Lazzara Giuseppe
- 12²⁰-12⁴⁰** OP3.10 BIOACTIVE PCL COMPOSITES WITH EUCALYPTUS LIGNOCELLULOSIC RESIDUES FOR HORTICULTURAL APPLICATIONS
Pulidori Elena
- 12⁴⁰-13⁰⁰** OP3.11 GEOPOLYMERIC MATERIALS BASED ON HALLOYSITE NANOTUBES FOR ENVIRONMENTAL APPLICATIONS
Cavallaro Giuseppe
- 13⁰⁰-13²⁰** OP3.12 THERMAL CHARACTERIZATION OF MONOSACCHARIDES-AMINO ACIDS MODEL SYSTEMS
Prislan Iztok
- 13²⁰-14⁴⁵**
Lunch
Canteen at the Student Center

Lecture hall A (Blue) ●

- 14⁴⁵-15³⁰** APL3 Chair: *Perez-Maqueda Luis A.*
GENERAL RATE EQUATION –
APPLICABILITY AND LIMITATIONS
Šimon Peter
- 15³⁰-15⁴⁰** TL4 FROM INSTRUMENT TO INSIGHT: APPLIED EXCELLENCE
IN THERMAL ANALYSIS WITH HITACHI THERMAL
ANALYZERS
Rejc Nina
- 15⁴⁵-16¹⁵** IL7 KINETIC ANALYSIS APPLIED TO THE PROCESSING OF
POLYMER MATRIX COMPOSITES FOR STRUCTURAL
APPLICATIONS
Farjas Jordi

Lecture hall B (Yellow) ●

- 15⁴⁵-16¹⁵** IL8 Chair: *Vecchio Cipriotti Stefano*
SYNERGISTIC MODIFICATION ENGINEERING FOR
OPTIMISING THE PERFORMANCE OF SOLID OXIDE FUEL
CELLS SUPPLIED BY WASTE ORGANIC MATERIALS
Dudek Magdalena
- 16¹⁵-19⁰⁰** ***Afternoon break***
- 19⁰⁰-23³⁰** ***Conference Dinner***
The Mediterranean Institute for Life Sciences,
Meštrovićevo šetalište 45, 21000 Split

Lecture hall A (Blue) ●

- Chair: *Andričić Branka*
- 09⁰⁰-09⁴⁵** APL4 THERMOPOROMETRY: POROSITY CHARACTERIZATION OF CARBON MATERIALS FROM THE WET STATE
Zelenková Gabriela
- 09⁴⁵-09⁵⁵** TL5 AN APPROACH TO CHROMATIC THERMAL ANALYSIS (CHROMTA™) USING SAMPLE-OBSERVATION THERMAL ANALYSIS
Arii Tadashi
- 09⁵⁵-10⁰⁵** TL6 REVOLUTIONARY DSC 5+ SETS NEW STANDARD IN RESEARCH WITH DIFFERENTIAL SCANNING CALORIMETRY
Racman Keith
- 10¹⁵-10⁴⁵** IL9 COPPER-MODIFIED Ti-6Al-4V ALLOY FOR BIOMEDICAL APPLICATION
Holjevac Grgurić Tamara

Lecture hall B (Yellow) ●

- Chair: *Farjas Jordi*
- 10¹⁵-10⁴⁵** IL10 THERMAL DECOMPOSITION OF A COPPER(II) OXALATE COORDINATION COMPOUND: INTEGRATING TGA-MS WITH COMPLEMENTARY SOLID-STATE TECHNIQUES
Čelan Korošin Nataša
- 10⁴⁵-12⁰⁰** **Poster and Coffee break area**
Poster Session 3 & Coffee Break

Lecture hall A (Blue) ●

- Chair: *Papuga Saša*
- 12⁰⁰-12²⁰** OP1.13 BACKBONE CONFORMATIONAL ENTROPY CHANGE IN HELIX FOLDING DETERMINED BY DIFFERENTIAL SCANNING CALORIMETRY
Zavrtanik Uroš
- 12²⁰-12⁴⁰** OP1.14 THERMODYNAMIC INSIGHTS ON THE STRUCTURE-PROPERTY RELATIONSHIPS IN TRI-SUBSTITUTED BENZENES
Silva Ferraz José Miguel
- 12⁴⁰-13⁰⁰** OP1.15 EXPLOITING STATISTICAL AND CLASSICAL THERMODYNAMICS FOR MODELLING THE MULTIMERIC PROTEIN DENATURATION/DISSOCIATION PROCESSES
Fessas Dimitrios

13⁰⁰-13²⁰ OP1.16 NON-ISOTHERMAL CRYSTALLIZATION KINETICS AND THERMAL STABILITY OF BOROTELLURITE GLASSES INVESTIGATED BY DIFFERENTIAL THERMAL ANALYSIS
Taner Kavaz

Lecture hall B (Yellow) ●

Chair: *Jakić Miće*

12⁰⁰-12²⁰ OP2.13 STRUCTURAL CHANGES OF ACID GEOPOLYMERS INDUCED BY THERMAL LOAD
Keppert Martin

12²⁰-12⁴⁰ OP2.14 INFLUENCE OF AMORPHOUS TiO₂ ADDITIVE ON THE SYNTHETIC GYROLITE STABILITY UNDER ISOTHERMAL CURING AT 200 °C TEMPERATURE
Eisinas Anatolijus

12⁴⁰-13⁰⁰ OP2.15 TEXTILES, PLASTICS, BIOBASED POLYMERS AND CHEMICAL RECYCLING
Niskanen Jukka

13⁰⁰-13²⁰ OP2.16 INVESTIGATION OF THERMOMECHANICAL ANALYSIS OF COMPOSITE SOLID ROCKET PROPELLANT
Cegła Marcin

Lecture hall C (Red) ●

Chair: *Suñol Joan-Josep*

12⁰⁰-12²⁰ OP3.13 THERMODYNAMIC AND ENZYMATIC ASSESSMENT OF SOIL MICROBIAL COMMUNITIES UNDER LONG-TERM IRRIGATION WITH PLASMA ACTIVATED WATER
Šťastná Kateřina

12²⁰-12⁴⁰ OP3.14 DIFFERENTIAL SCANNING CALORIMETRY FOR MONITORING TREATMENT RESPONSE IN MULTIPLE MYELOMA
Prislan Iztok

12⁴⁰-13⁰⁰ OP3.15 CALORIMETRIC & PREDICTIVE METHODS TO CHARACTERISE PHARMACEUTICAL CO-AMORPHOUS MIXTURES
Antonijevic Milan

13⁰⁰-13²⁰ OP3.16 DETERMINATION OF NUCLEATION TEMPERATURE OF PHARMACEUTICAL GLASSES
Kawakami Kohsaku

13²⁰-14⁴⁵

Lunch
Canteen at the Student Center

Lecture hall A (Blue) ●

14⁴⁵-15¹⁵ IL11

Chair: *Koga Nobuyoshi*

BRIDGING THE LOGISTIC AND CLASSICAL KINETICS:
AN ARRHENIUS-ANCHORED SHAPE APPROACH FOR
SOLID-STATE REACTIONS

López Beceiro Jorge J.

Lecture hall B (Yellow) ●

14⁴⁵-15¹⁵ IL12

Chair: *Šimon Peter*

PY-MS AND PY-GC-MS FOR ANALYSIS OF VOLATILE
BIOACTIVE NATURAL COMPOUNDS IN VEGETAL
MATERIALS

Brebu Mihai

Lecture hall A (Blue) ●

15²⁰-15⁴⁵

**ESTAC15 &
Forthcoming conferences**

15⁴⁵-16⁰⁰

Closing Ceremony

16⁰⁰-19⁰⁰

Afternoon break

19⁰⁰-20⁰⁰

City tour

LIST OF COMMUNICATIONS

AWARD PLENARY LECTURES

APL1	<i>Sbirrazzuoli Nicolas</i>	ADVANCED KINETIC ANALYSIS OF POLYMERS MECHANISTIC INSIGHTS, SIMULATION BREAKTHROUGHS, AND FUTURE DIRECTIONS
APL2	<i>Blanco Ignazio</i>	BEHIND THE DATA: THOROUGHNESS, ACCURACY, AND INNOVATION IN THERMAL AND CALORIMETRIC MEASUREMENTS
APL3	<i>Šimon Peter</i>	GENERAL RATE EQUATION – APPLICABILITY AND LIMITATIONS
APL4	<i>Zelenková Gabriela</i>	THERMOPOROMETRY: POROSITY CHARACTERIZATION OF CARBON MATERIALS FROM THE WET STATE

PLENARY LECTURES

PL1	<i>Hu Wenbing</i>	CHIP-CALORIMETRY CHARACTERIZATION OF MICROMETER THERMAL CONDUCTIVITY
PL2	<i>Pielichowska Kinga</i>	HYBRID PHOTOTHERMAL PHASE CHANGE MATERIALS FOR NEXT-GENERATION THERMAL ENERGY STORAGE TECHNOLOGIES

INVITED LECTURES

IL1	<i>Málek Jiří</i>	UNVEILING GLASS TRANSITION KINETICS VIA ADVANCED THERMAL ANALYSIS
IL2	<i>Katoh Katsumi</i>	THERMAL DECOMPOSITION BEHAVIOR OF NITROCELLULOSE MEMBRANES FOR LATERAL FLOW IMMUNOASSAY
IL3	<i>Petuhov Oleg</i>	MICROWAVE HEATING OF CARBON MATERIALS: FUNDAMENTALS AND APPLICATIONS
IL4	<i>Papuga Saša</i>	RESPONSE SURFACE METHODOLOGY IN THE RESEARCH OF WASTE PLASTIC PYROLYSIS
IL5	<i>Duce Celia</i>	EVOLUTION OF ANIMAL GLUES TOWARD NEXT-GENERATION COLLAGEN-BASED BIOADHESIVES: A SYSTEMATIC STUDY OF THE GLUING PROCESS
IL6	<i>Spassov Tony</i>	SOME APPLICATIONS OF THERMAL METHODS IN PHASE DIAGRAM CONSTRUCTION AND THERMODYNAMIC CHARACTERIZATION OF BINARY ORGANIC SYSTEMS
IL7	<i>Farjas Jordi</i>	KINETIC ANALYSIS APPLIED TO THE PROCESSING OF POLYMER MATRIX COMPOSITES FOR STRUCTURAL APPLICATIONS

IL8	<i>Dudek Magdalena</i>	SYNERGISTIC MODIFICATION ENGINEERING FOR OPTIMISING THE PERFORMANCE OF SOLID OXIDE FUEL CELLS SUPPLIED BY WASTE ORGANIC MATERIALS
IL9	<i>Holjevac Grgurić Tamara</i>	COPPER-MODIFIED Ti-6Al-4V ALLOY FOR BIOMEDICAL APPLICATION
IL10	<i>Čelan Korošin Nataša</i>	THERMAL DECOMPOSITION OF A COPPER(II) OXALATE COORDINATION COMPOUND: INTEGRATING TGA-MS WITH COMPLEMENTARY SOLID-STATE TECHNIQUES
IL11	<i>López Beceiro Jorge J.</i>	BRIDGING THE LOGISTIC AND CLASSICAL KINETICS: AN ARRHENIUS-ANCHORED SHAPE APPROACH FOR SOLID-STATE REACTIONS
IL12	<i>Brebu Mihai</i>	PY-MS AND PY-GC-MS FOR ANALYSIS OF VOLATILE BIOACTIVE NATURAL COMPOUNDS IN VEGETAL MATERIALS

TECHNICAL LECTURES (BY SPONSORS)

TL1	<i>Marc-Krystelle Mafina</i>	Platinum sponsor: Superlab/ PerkinElmer	USING A NOVEL MODE OF OPERATION OF TGA-GC/MS FOR TIRE WEAR PARTICLES (TWPs) ANALYSIS
TL2	<i>Remmler Torsten</i>	Gold Sponsor: Netzsch/Altium International	RHEOMETRY AS A COMPLEMENTARY TECHNIQUE TO THERMAL ANALYSIS: A JOURNEY THROUGH TYPICAL APPLICATIONS
TL3	<i>Del Buffa Stefano</i>	Gold Sponsor: Waters Materials Science/Labtim Adria	CALORIMETRY AS A TOOL TO ASSESS BATTERY RUNAWAY REACTIONS
TL4	<i>Rejc Nina</i>	Silver Sponsor: AstrinexLab/ Hitachi	FROM INSTRUMENT TO INSIGHT: APPLIED EXCELLENCE IN THERMAL ANALYSIS WITH HITACHI THERMAL ANALYZERS
TL5	<i>Arii Tadashi</i>	Silver Sponsor: Rigaku	AN APPROACH TO CHROMATIC THERMAL ANALYSIS (CHROMTA™) USING SAMPLE-OBSERVATION THERMAL ANALYSIS
TL6	<i>Racman Keith</i>	Silver Sponsor: Mettler Toledo	REVOLUTIONARY DSC 5+ SETS NEW STANDARD IN RESEARCH WITH DIFFERENTIAL SCANNING CALORIMETRY

ORAL PRESENTATIONS

ORAL PRESENTATIONS 1

OP1.01	<i>Ivorra-Martinez Juan</i>	THERMAL CHARACTERIZATION AS A TOOL TO UNDERSTAND THE PROCESSING–STRUCTURE RELATIONSHIP IN SUSTAINABLE POLYMER-BASED MATERIALS
OP1.02	<i>Koga Nobuyoshi</i>	UNIFIED KINETIC THEORY AND ITS APPLICATION FOR REVERSIBLE THERMAL DEHYDRATION AND HYDRATION PROCESSES IN SOLID–GAS SYSTEMS
OP1.03	<i>Hotta Mito</i>	EFFECT OF WATER VAPOR ON THE KINETICS OF REVERSIBLE THERMAL DEHYDRATION OF COPPER(II) CHLORIDE DIHYDRATE AND HYDRATION OF ITS ANHYDRIDE
OP1.04	<i>Kállay-Menyhárd Alfréd</i>	PREDICTION OF NUCLEATION EFFICIENCY BASED ON MATCHING LATTICE DIMENSIONS
OP1.05	<i>Shánělová Jana</i>	CRITICAL ASSESSMENT OF CRYSTALLIZATION KINETICS PREDICTION FROM ROUTINE DSC
OP1.06	<i>Füglein Ekkehard</i>	THE MULTIPLE MODULE CALORIMETER (MMC)
OP1.07	<i>Al Zeer Omar</i>	THERMAL DECOMPOSITION STUDY OF SODIUM, MANGANESE AND NICKEL ACETATE: FROM PRECURSORS TO FUNCTIONAL OXIDES
OP1.08	<i>Kikuchi Shin</i>	THERMAL BEHAVIOR OF CESIUM IODIDE AND SODIUM IODIDE FOR GASEOUS IODINE FORMATION IN SFR
OP1.09	<i>Fulop Tadeas</i>	THERMAL STABILITY PREDICTION OF SUGAR ALCOHOLS
OP1.10	<i>Chen Li-Jen</i>	DUAL INHIBITION EFFECT OF DEEP EUTECTIC SOLVENTS, RELINE, MALINE, AND GLYCELINE ON METHANE HYDRATE NUCLEATION AND FORMATION
OP1.11	<i>Çilgi Gülbanu Koyundereli</i>	INVESTIGATING THE ROLE OF COAL RANK IN COMBUSTION BEHAVIOR: KINETIC AND THERMODYNAMIC EVALUATION
OP1.12	<i>Sánchez-Jiménez Pedro E.</i>	FROM FUNDAMENTAL REACTIVITY TO 3D-PRINTED ARCHITECTURES: ADVANCES IN CAO-BASED MATERIALS FOR THERMOCHEMICAL ENERGY STORAGE
OP1.13	<i>Zavrtanik Uroš</i>	BACKBONE CONFORMATIONAL ENTROPY CHANGE IN HELIX FOLDING DETERMINED BY DIFFERENTIAL SCANNING CALORIMETRY
OP1.14	<i>Silva Ferraz José Miguel</i>	THERMODYNAMIC INSIGHTS ON THE STRUCTURE-PROPERTY RELATIONSHIPS IN TRI-SUBSTITUTED BENZENES
OP1.15	<i>Fessas Dimitrios</i>	EXPLOITING STATISTICAL AND CLASSICAL THERMODYNAMICS FOR MODELLING THE MULTIMERIC PROTEIN DENATURATION/DISSOCIATION PROCESSES
OP1.16	<i>Taner Kavas</i>	NON-ISOTHERMAL CRYSTALLIZATION KINETICS AND THERMAL STABILITY OF BOROTELLURITE GLASSES INVESTIGATED BY DIFFERENTIAL THERMAL ANALYSIS

ORAL PRESENTATIONS 2

OP2.01	<i>Zuzjakova Sarka</i>	HIGH-PERFORMANCE THERMOCHROMIC COATINGS WITH W-DOPED VO ₂ NANOPARTICLES IN SiO ₂ MATRIX SYNTHESIZED USING A FAST THERMAL OXIDATION
OP2.02	<i>Cârstea Didina-Ramona-Cassandra</i>	A COMPLETE TIME-TEMPERATURE-TRANSFORMATION DIAGRAM FOR THE AEROSPACE EPOXY RESIN RTM6: INTEGRATING CURE KINETICS, THERMAL DEGRADATION AND CURING OVERHEATING
OP2.03	<i>Cervena Michaela</i>	METASTABLE W-Zr THIN-FILM ALLOYS: EFFECT OF COMPOSITION ON PROPERTIES, THERMAL STABILITY AND OXIDATION RESISTANCE
OP2.04	<i>Mandić Vilko</i>	KINETIC ANALYSIS OF METAL OXIDE THIN FILM PREPARED BY AEROSOL WRITING
OP2.05	<i>Stibral Jiří</i>	THERMAL STABILITY OF MIXED STRUCTURES OF WOLFRAMITE AND SCHEELITE
OP2.06	<i>Barták Jaroslav</i>	SURFACE MOBILITY IN AMORPHOUS CHALCOGENIDE FILMS PREPARED BY THERMAL EVAPORATION AND SOLUTION PROCESSING
OP2.07	<i>Topić Edi</i>	MAXIMIZING THE VALUE OF THERMAL ANALYSIS FOR DIFFICULT AND ONE-SHOT SAMPLES
OP2.08	<i>Alfonso Pura</i>	VALORISATION OF KAOLINITIC CLAYS, NATURAL POZZOLANS AND CONSTRUCTION AND DEMOLITION WASTE MIXTURES AS PORTLAND CEMENT SUBSTITUTES
OP2.09	<i>Dermikol Nermin</i>	SUSTAINABLE UTILIZATION OF IZMIT GULF MARINE SEDIMENTS FOR GLASS AND ENAMEL PRODUCTION
OP2.10	<i>Pfeiler-Deutschmann Martin</i>	APPLICATION OF DIFFERENTIAL SCANNING CALORIMETRY FOR THE DETERMINATION OF QUARTZ CONTENT IN MINERAL MATRIX MATERIALS
OP2.11	<i>Vieito Parajó Juan José</i>	THERMODYNAMIC AND THERMAL CHARACTERIZATION OF IONIC LIQUIDS AND IONOGELS FOR SUSTAINABLE ENERGY STORAGE
OP2.12	<i>Kulawik Damian</i>	SUSTAINABLE AQUEOUS ELECTROCHEMICAL ENERGY-STORAGE SYSTEMS BASED ON PRUSSIAN BLUE/BIOCHAR COMPOSITE ELECTRODES AND INORGANIC FUNCTIONAL ADDITIVES
OP2.13	<i>Keppert Martin</i>	STRUCTURAL CHANGES OF ACID GEOPOLYMERS INDUCED BY THERMAL LOAD
OP2.14	<i>Eisinas Anatolijus</i>	INFLUENCE OF AMORPHOUS TiO ₂ ADDITIVE ON THE SYNTHETIC GYROLITE STABILITY UNDER ISOTHERMAL CURING AT 200 °C TEMPERATURE
OP2.15	<i>Niskanen Juka</i>	TEXTILES, PLASTICS, BIOBASED POLYMERS AND CHEMICAL RECYCLING
OP2.16	<i>Cegła Marcin</i>	INVESTIGATION OF THERMOMECHANICAL ANALYSIS OF COMPOSITE SOLID ROCKET PROPELLANT

ORAL PRESENTATIONS 3

OP3.01	<i>Vaculík David</i>	FROM VISCOSITY TO CRYSTAL GROWTH: KINETIC PROCESSES IN CHALCOGENIDE GLASSES
OP3.02	<i>Brancart Joost</i>	DIELS-ALDER-BASED POLYMER NETWORK DESIGN: STRUCTURE, REACTIVITY, PROCESSING AND PROPERTY RELATIONS
OP3.03	<i>Potočník Martina</i>	EXPLORING HIDDEN RELATIONSHIPS IN DSC DATA OF RECYCLED POLYETHYLENE TEREPHTHALATE THROUGH MULTIVARIATE STATISTICAL ANALYSIS
OP3.04	<i>Pongrac Petra</i>	PROCESSING-INDUCED THERMAL AND MOLECULAR CHANGES IN RECYCLED POLYSTYRENE/LIGNIN SYSTEMS
OP3.05	<i>Ciesielska Aleksandra</i>	COMPREHENSIVE CHARACTERIZATION OF ENVIRONMENTAL MICROPLASTICS AND THEIR DEGRADATION PRODUCTS: A COMBINED PYROLYSIS AND UHPLC APPROACH
OP3.06	<i>Ciesielski Wojciech</i>	FROM GREEN CHEMISTRY TO SUSTAINABLE ENERGY: PHYSICOCHEMICAL PERSPECTIVES ON ADVANCED MATERIALS AND ENVIRONMENTAL SYSTEMS
OP3.07	<i>Radovanović-Perić Floren</i>	TEMPERATURE DEPENDENT RHEOLOGY AS A VERSATILE TOOL FOR THE ASSESSMENT OF PROFESSIONAL DETERGENTS
OP3.08	<i>Anelić Rafael</i>	EFFECT OF PROCESSING CONDITIONS ON THE DEGRADATION, MISCIBILITY, AND MECHANICAL BEHAVIOUR OF PLA/PGA BLENDS PREPARED BY TWIN-SCREW EXTRUSION
OP3.09	<i>Lazzara Giuseppe</i>	FROM PHASE-CHANGE TO STIMULI-RESPONSIVE SYSTEMS: THE ROLE OF THERMAL ANALYSIS AND CALORIMETRY IN ENGINEERING PICKERING WAX-BASED MICROPARTICLES
OP3.10	<i>Pulidori Elena</i>	BIOACTIVE PCL COMPOSITES WITH EUCALYPTUS LIGNOCELLULOSIC RESIDUES FOR HORTICULTURAL APPLICATIONS
OP3.11	<i>Cavallaro Giuseppe</i>	GEOPOLYMERIC MATERIALS BASED ON HALLOYSITE NANOTUBES FOR ENVIRONMENTAL APPLICATIONS
OP3.12	<i>Prislan Iztok</i>	THERMAL CHARACTERIZATION OF MONOSACCHARIDES-AMINO ACIDS MODEL SYSTEMS
OP3.13	<i>Šťastná Kateřina</i>	THERMODYNAMIC AND ENZYMATIC ASSESSMENT OF SOIL MICROBIAL COMMUNITIES UNDER LONG-TERM IRRIGATION WITH PLASMA ACTIVATED WATER
OP3.14	<i>Prislan Iztok</i>	DIFFERENTIAL SCANNING CALORIMETRY FOR MONITORING TREATMENT RESPONSE IN MULTIPLE MYELOMA
OP3.15	<i>Antonijević Milan</i>	CALORIMETRIC & PREDICTIVE METHODS TO CHARACTERISE PHARMACEUTICAL CO-AMORPHOUS MIXTURES
OP3.16	<i>Kawakami Kohsaku</i>	DETERMINATION OF NUCLEATION TEMPERATURE OF PHARMACEUTICAL GLASSES

POSTER SESSION

POSTER SESSION 1

PS1.01	<i>Kolev Spas</i>	THERMAL ANALYSIS OF THE PHASE BEHAVIOR IN THE HBTA:TOPO BINARY SYSTEM
PS1.02	<i>Papuga Saša</i>	PYROLYSIS OF A MIXTURE OF BIOMASS AND PLASTIC IN A FIXED BED REACTOR
PS1.03	<i>Petkova Vilma</i>	INFLUENCE OF MINERAL ADDITIVES AND WATER-REDUCING ADMIXTURE ON THE MICROSTRUCTURAL AND THERMAL PROPERTIES OF SELF-COMPACTING CEMENT MORTARS
PS1.04	<i>Petkova Vilma</i>	MODIFICATION OF THE STRUCTURAL CHARACTERISTICS OF NANOSIZED PHOSPHORITE VIA LONG-TIME MECHANOCHEMICAL PROCESSING
PS1.05	<i>Petrova Nadia</i>	SYNTHESIS AND CHARACTERIZATION OF Cr ⁴⁺ DOPED Li ₂ ZnGeO ₄ GLASS-CERAMIC
PS1.06	<i>Nikolova Rositsa</i>	THERMAL AND CHEMICAL CONDITIONS FOR Li ₂ CaGeO ₄ GLASS-CERAMIC SYNTHESIS
PS1.07	<i>Zhang Jianjun</i>	SYNTHESIS, STRUCTURES, THERMAL DECOMPOSITION MECHANISM, AND LUMINESCENCE PROPERTIES OF SM(III), Pr(III), Nd(III), AND La(III) COMPLEXES WITH DIVERSE CARBOXYLATE COORDINATION MODES
PS1.08	<i>Wu Kezhong</i>	HIGH-ENTROPY ALLOY AS COUNTER ELECTRODE FOR TRIIODIDE REDUCTION IN DYE-SENSITIZED SOLAR CELLS
PS1.09	<i>Zihe Gao</i>	FIRE-INDUCED THERMAL HAZARDS IN ELONGATED RESTRICTED ENCLOSURES: FLAME IMPINGEMENT, SMOKE TRANSPORT, AND THERMAL STRATIFICATION
PS1.10	<i>Begović Tajana</i>	THERMODYNAMIC INSIGHTS INTO INTERFACIAL REACTIONS IN THE TiO ₂ NANOPARTICLE/NaCl/ POLYELECTROLYTE SYSTEM
PS1.11	<i>Grobenski Paola</i>	MOLECULARLY IMPRINTED ZnO TETRAPOD PHOTOCATALYST: SYNTHESIS AND SELECTIVE DICLOFENAC DEGRADATION
PS1.12	<i>Grobenski Paola</i>	WATER DIFFUSION BEHAVIOR IN GLASS FIBER-REINFORCED POLYESTER HYBRID COMPOSITES CONTAINING JAROSITE WASTE PARTICLES
PS1.13	<i>Kozina Franjo</i>	EFFECT OF HEATING AND COOLING RATES ON THE SOLIDIFICATION BEHAVIOUR OF AN Al-Li-Mg ALLOY
PS1.14	<i>Barták Jaroslav</i>	FRAGILITY IN GE-SE GLASS-FORMING SYSTEM
PS1.15	<i>Kinnertová Eva</i>	EFFECT OF PYROLYSIS CONDITIONS ON PORE STRUCTURE EVOLUTION IN SOFT-TEMPLATED CARBON XEROGELS
PS1.16	<i>Koňáková Dana</i>	APPLICABILITY OF CZECH KAOLINITE-ILLITE CLAYS IN THE DESIGN OF THE LC3 BINDER

PS1.17	<i>Korena Lucie</i>	KINETICS OF CO ₂ ADSORPTION ON SURFACE-MODIFIED POROUS CARBONS I – ISOTHERMAL EXPERIMENTS
PS1.18	<i>Shánělová Jana</i>	ASSESSMENT OF A DSC-BASED NUCLEATION MODEL FOR Se–Te CHALCOGENIDE GLASSES
PS1.19	<i>Shánělová Jana</i>	CRITICAL ASSESSMENT OF CRYSTALLIZATION KINETICS PREDICTION FROM ROUTINE DSC
PS1.20	<i>Slovák Václav</i>	KINETICS OF CO ₂ ADSORPTION ON SURFACE-MODIFIED POROUS CARBONS II – NON-ISOTHERMAL KINETIC ANALYSIS
PS1.21	<i>Stibral Jiří</i>	THERMAL ANALYSIS OF REACTION MIXTURES FOR THE PREPARATION OF MnTiO ₃ BLACK PIGMENTS
PS1.22	<i>Higashi Eiko</i>	THERMAL BEHAVIOR OF VINYL ACETATE MONOMER AND ITS IMPLICATIONS FOR THERMAL RUNAWAY
PS1.23	<i>Hotta Mito</i>	THERMAL DECOMPOSITION KINETICS OF CALCIUM CARBONATE UNDER VACUUM USING CONTROLLED-RATE EVOLVED GAS ANALYSIS WITH MASS SPECTROSCOPY
PS1.24	<i>Katoh Katsumi</i>	THERMAL DECOMPOSITION BEHAVIOR OF STABILIZER-CONTAINING NITROCELLULOSE MEMBRANES FOR LATERAL FLOW IMMUNOASSAY
PS1.25	<i>Koga Nobuyoshi</i>	SUBLIMATION AND VAPORIZATION OF SODIUM IODIDE AS A SOURCE FOR THE GENERATION OF GASEOUS IODINE
PS1.26	<i>Yamasaki Ayaka</i>	EFFECT OF POTASSIUM PERCHLORATE ADDITION ON THE COMBUSTION AND THERMAL BEHAVIOR OF GUANIDINE NITRATE/BASIC COPPER NITRATE-BASED GAS GENERANTS
PS1.27	<i>Abdullayev Raul</i>	HYDROTHERMAL SYNTHESIS OF TOBERMORITE USING CONCRETE PRODUCTION WASTE
PS1.28	<i>Baltakys Kestutis</i>	GYROLITE WITH INTERCALATED Sn ⁴⁺ IONS: SYNTHESIS AND CATALYTIC ACTIVITY IN VOC OXIDATION
PS1.29	<i>Dambrauskas Tadas</i>	APPLICATION OF CALCIUM- AND SILICON-CONTAINING SECONDARY RAW MATERIALS FOR WOLLASTONITE SYNTHESIS
PS1.30	<i>Latos-Brozio Malgorzata</i>	THERMAL ANALYSIS OF BIOCOMPOSITES CONTAINING PLANT-BASED ADDITIVES DERIVED FROM AGRICULTURAL WASTE
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PS1.32	<i>Muzal Ewa</i>	DSC EVALUATION OF DEFECT FORMATION MECHANISMS IN HYBRID MIXTURE OF PARAFFIN AND VEGETABLE OILS
PS1.33	<i>Pielichowska Kinga</i>	BIO-BASED SHAPE-STABLE PHASE CHANGE MATERIALS FROM KRAFT LIGNIN AND POLY(ETHYLENE GLYCOL) PREPARED WITH DEEP EUTECTIC SOLVENTS

PS1.34	<i>Rotaru Andrei</i>	THERMAL ANALYSIS OF A NEW COORDINATION POLYMER BASED ON 4,4'-BIS(1H-IMIDAZOL-1-YLMETHYL)BENZENE
PS1.35	<i>Rotaru Andrei</i>	THERMAL STABILITY AND HEAT-INDUCED PHASE EVOLUTION OF METAL/ACTIVATED CARBON COMPOSITES FOR REMOVAL OF NITRITES
PS1.36	<i>Stanković Branislav</i>	KINETICS STUDY OF HYDROGEN DESORPTION FROM W-DOPED MgH ₂
PS1.37	<i>Stanković Branislav</i>	EFFECT OF PMMA POLYMER MATRIX ON HYDROGEN DESORPTION PROPERTIES OF MgH ₂
PS1.38	<i>Dubaj Tibor</i>	THERMOOXIDATIVE STABILITY OF MICROPLASTIC-SIZED RUBBER PARTICLES FROM TIRE RECYCLING
PS1.39	<i>Hubert Matej</i>	KINETIC ANALYSIS AND PREDICTIONS BASED ON THE NON-PARAMETRIC KINETICS (NPK) METHOD
PS1.40	<i>Trník Anton</i>	KINETIC ANALYSIS OF THE CRYSTALLIZATION OF GEHLENITE AND ANORTHITE IN AN ILLITE/SMECTITE-CaCO ₃ MIXTURES

POSTER SESSION 2

PS2.01	<i>Hermes de Araújo Pedro Henrique</i>	THERMAL CHARACTERIZATION OF STYRENE-BASED NANOCAPSULES PREPARED BY MINIEMULSION POLYMERIZATION
PS2.02	<i>Sayer Claudia</i>	POLYMACROLACTONE NANOPARTICLES FOR BENZNIDAZOLE DELIVERY: THERMAL CHARACTERIZATION OF CROSSLINKED POLY(GLOBALIDE) NANOCARRIERS
PS2.03	<i>Anelić Rafael</i>	CAN DSC REPLACE CONVENTIONAL PARAFFIN TESTING ACCORDING TO EN 12606-2?
PS2.04	<i>Blažević Karlo</i>	METHODOLOGY FOR THERMAL CHARACTERIZATION OF CRYOGENIC FREEZING AND THAWING PROCESSES OF MULTICOMPONENT FOOD SAMPLES
PS2.05	<i>Grgurević Karlo</i>	DEVELOPMENT OF ECO-FRIENDLY ALKYL-GLUCOSIDE-BASED DETERGENT WITH IMPROVED LOW TEMPERATURE PERFORMANCE
PS2.06	<i>Meheš Mario</i>	THERMAL, MECHANICAL, AND MORPHOLOGICAL CHARACTERIZATION OF ABS COMPOSITES REINFORCED WITH <i>SPARTIUM JUNCEUM</i> L. FIBERS: EFFECT OF FIBER CONTENT ON STRUCTURE-PROPERTY RELATIONSHIPS
PS2.07	<i>Špoljarić Andrea</i>	MULTIPLE EXTRUSION EFFECTS ON THERMAL PROPERTIES OF PLA/FE COMPOSITES
PS2.08	<i>Vuran Alma</i>	EFFECT OF EXTRACTION CONDITIONS ON PECTIN YIELD FROM CITRUS PEELS
PS2.09	<i>Chodounska Anežka</i>	EVALUATION OF PVC THERMAL STABILITY BY ISOTHERMAL THERMOGRAVIMETRIC ANALYSIS
PS2.10	<i>Kučerík Jiří</i>	THERMOGRAVIMETRY OF COMPLEX ORGANOMINERAL SUBSTRATES: EXPERIENCE WITH THE MULTICHANNEL MACRO INSTRUMENT
PS2.11	<i>Šťastná Kateřina</i>	INTEGRATED ASSESSMENT OF SOIL MICROBIAL FUNCTIONING: COMBINING ENZYMATIC ASSAYS AND MICROCALORIMETRY TO EVALUATE THE IMPACT OF SULFAPYRIDINE
PS2.12	<i>Uricar Jonas</i>	COUPLED THERMOGRAVIMETRIC TECHNIQUES FOR TEXTILES
PS2.13	<i>Achiliadis Dimitris</i>	RECYCLING OF WASTE FISHING NETS: IDENTIFICATION OF THE POLYMER TYPE USING THERMAL ANALYSIS AND THERMOCHEMICAL RECYCLING VIA PYROLYSIS
PS2.14	<i>Achiliadis Dimitris</i>	FAST SCAN CALORIMETRY (FSC) AND DSC STUDY OF THE THERMAL BEHAVIOR OF POLY(PROPYLENE TEREPHTHALATE)
PS2.15	<i>Chrissafis Konstantinos</i>	THERMAL CHARACTERIZATION OF RPET NANOCOMPOSITES CONTAINING SEWAGE SLUDGE-DERIVED BIOCHAR

PS2.16	<i>Duce Celia</i>	THERMAL ANALYSIS AND CALORIMETRY FOR ASSESSING ATOMIC OXYGEN PLASMA CLEANING OF OIL PAINT SYSTEMS
PS2.17	<i>Pulidori Elena</i>	COMBINED DSC AND THERMOGRAVIMETRIC ANALYSIS OF THE CURING BEHAVIOUR OF CHINESE AND JAPANESE URUSHI LACQUERS
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Program book of the 14th European Symposium on Thermal Analysis and Calorimetry (ESTAC14)

14th European Symposium on Thermal Analysis and Calorimetry (ESTAC14).
15–18 September 2026, Split, Croatia

Editors:

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Irena Krešić, Andrei Rotaru

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Publisher: University of Split, Faculty of Chemistry and Technology