


DAY 1 2 July

9:30 – 10:00	REGISTRATION
10:00 – 10:15	Opening addresses


Aula Magna

Chair: Nikola Sakač	
10:15 – 11:00	Plenary lecture PL-01 Martin Hrubý (Institute of Macromolecular Chemistry, Prague) Stimuli-responsive polymers for self-assembled theranostics and sensors
11:00 – 11:45	Plenary lecture PL-02 Milan Vraneš (Faculty of Sciences, Novi Sad) Water–ionic liquid solutions as eco-friendly hydraulic fluids: from idea to laboratory and application
11:45 – 11:55	Sponsor – Selvita d.o.o. Sulejman Alihodžić Selvita Macrocyclus: Beyond Azithromycin
11:55 – 12:15	 Coffee break


Aula Magna

Aula Media

Chair: Brunislav Matasović		Chair: Mihaela Vrbnjak Grđan Nastavnička sekcija 1 (Teaching Section 1)	
12:15 – 12:45	Invited lecture IL-01 Gordana Pehnek (Institute for Medical Research and Occupational Health, Zagreb) Chemical composition of indoor air in Zagreb households: are our homes safe?	12:15 – 12:45	Invited lecture ILT-01 Krešimir Molčanov (Ruđer Bošković Institute, Zagreb) (Free) Radical chemistry in solution and in the solid state
12:45 – 13:15	Invited lecture IL-02 Vjekoslav Štrukil (Ruđer Bošković Institute, Zagreb) New opportunities for a sustainable waste plastics depolymerization by mechanochemistry	12:45 – 13:15	Invited lecture ILT-02 Danijela Dodlek (Department of Physics, Osijek) Thinking like scientists: The investigative science learning environment (ISLE) approach
13.15 – 13.30	Oral communication O-01 Marina Juribašić Kulcsár (Ruđer Bošković Institute, Zagreb) Mechanochemical synthesis of N-iminoboronates	13.15 – 13.30	Oral communication OT-01 Maja Dubovicki (Gimnazija Matije Antuna Reljkovića, Vinkovci) Dose makes the poison: chemical literacy in everyday life

13:30 – 13:45	Oral communication O-02 Daniele Marra (University of Naples Federico II, Naples) Optimization of UV-assisted DNA immobilization on nitrocellulose membranes for lateral flow assays	13.30 – 13:45	Oral communication OT-02 Ivana Soldo Klanc (Osnovna škola Ivana Brlić Mažuranić, Strizivojna) Sustainable development through local green initiatives – Planting fruit trees, flowers and building insect hotel
13:45 – 13:55	Sponsor – Hach Lange d.o.o. (lecture & demonstration)		
14:00 – 15:00	 Lunch break*		

Hall 167

Nastavnička sekcija 2 – Inovativne metode poučavanja u STEM-u (Teaching Section 2 – Innovative Teaching Methods in STEM) Chairs: Martina Šrajer Gajdošik, Marija Jozanović	
12:30 – 13:15	Workshop W-01: Gordana Pintarić Kovač (Gimnazija Ivana Zakmardija Dijankovečkoga, Križevci) Similar, yet different: Inquiry-based learning using everyday chemicals
13:15 – 14:00	Workshop W-02: Romina Tomas Grđan, Adriana Ivandić (II. gimnazija Osijek, Osijek) Proteins – Cross-curricular integration of content through an escape game
14:00 – 15:00	 Lunch break*
15.30 – 16:00	Workshop W-03: Nataša Bušić (Department of Biology, Osijek) Povezivanje građanske znanosti i istraživačkog učenja: put prema prirodoslovnoj pismenosti
16:00 – 16:30	Workshop W-04: Tomislav Rudec (Faculty of Electrical Engineering, Computer Science and Information Technology Osijek, Osijek) Metode za povećanje koncentracije u nastavi matematike i informatike
16:30 – 17:00	Workshop W-05: Anamarija Stanković (Department of Chemistry, Osijek) How to encourage active learning in stem education - Kako potaknuti aktivno učenje u STEM nastavi

Aula Magna

Aula Media

Chairs: Dean Marković, Barbara Viljetić		Chair: Olivera Galović Nastavnička sekcija 1 (Teaching Section 1)	
15:00 – 15:45	Plenary lecture PL-03 Martina Medvidović-Kosanović (Department of Chemistry, Osijek) Antioxidants-metal complexes: from molecular interactions to pharmaceutical potential	15:00 – 15:30	Invited lecture ILT-03 Dražen Crnčec (Osnovna Škola Sveti Martin na Muri, Sveti Martin na Muri) How to adopt educational outcomes of chemistry through extracurricular activities within the school orchard

* Lunch on the 1st day is organized at the Campus facilities (not covered by the organizers)


15:45 – 16:15	Invited lecture IL-03 Petar Kassal (Faculty of Chemical Engineering and Technology, Zagreb) Inkjet printing in the development of flexible voltammetric chemical sensors and biosensors	15:30 – 16:00	Invited lecture ILT-04 Antonija Milić (Gimnazija Vukovar, Vukovar) Modern chemistry education – integrating inquiry-based learning, experimental work, and digital technologies for the development of scientific competencies
16:15 – 16:45	Invited lecture IL-04 Ivana Grčić (Faculty of Geotechnical Engineering, Varaždin) Perspectives of simple photocatalysts for large-scale water and air treatment	16:00 – 16:30	Invited lecture ILT-05 Marina Nemet (Industrijsko-obrtnička škola Virovitica, Virovitica) Application of research and project based learning in chemistry teaching through international and interdisciplinary activities
16:45 – 16:55	Sponsor – Sano - Suvremena hranidba životinja d.o.o. Damir Rimac Primijenjena kemija u suvremenoj proizvodnji svinja - od hranidbe do biosigurnosti		

Aula Magna

Chair: Ernest Meštrović	
ROUNDTABLE	
17:00 – 18:30	Financiranje znanstvenih projekata: Od ideje do uspješne provedbe

Ground floor lobby (Atrium)


Chair: Lidija Jakobek Barron	
18:30 – 19:30	Krešimir Mastanjević Slavonski kulen traditional Croatian dry sausage: Popular Lecture and Tasting

20:00	 Conference dinner at the Kampus restaurant
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DAY 2 3 July

8:30 – 9:00	REGISTRATION
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Aula Magna

Chair: Martina Medvidović-Kosanović	
9:00 – 9:45	Plenary lecture PL-04 Frank Marken (Department of Chemistry, Bath) Intrinsically microporous polymers in electrochemical processes
9:45 – 10:15	Invited lecture IL-05 Mara Tilman (Inspecto d.o.o.) Application of chemical analyzes in the daily and research work of the Inspecto laboratory (Kemijske analize u svakodnevnom i znanstvenom (istraživačkom) radu)
10:15 – 10:45	Invited lecture IL-06 Rosana Ribić (University North, Varaždin / Koprivnica) Synthesis and biological evaluation of peptidoglycan-derived immunomodulators
10:45 – 10:55	Sponsor – Nexe d.o.o. Damir Šulc Novi izazovi u proizvodnji portland cementa (New challenges in the Portland cement production)
10:55 – 11:15	 Coffee break

Aula Magna

Chair: Vladislav Tomišić	
11:15 – 11:45	Invited lecture IL-07 Nikola Cindro (Faculty of Science, Zagreb) Diastereoselective construction of tertiary alcohols by the addition of different Grignard reagents to the sugar derived lactones
11:45 – 12:15	Invited lecture IL-08 Tomislav Balić (Department of Chemistry, Osijek) Aza oxa Schiff base macrocycles as building blocks for coordination polymers and inclusion compounds
12:15 – 12:30	Oral communication O-03 Bojan Šarkanj (University North, Varaždin / Koprivnica) Analytical approaches for analysis of non-regulated mycotoxins in Croatia
12:30 – 12:45	Oral communication O-04 Erica Cavaliere (University of Naples Federico II, Naples) Nucleic acid-based colorimetric biosensors for liquid biopsy and environmental monitoring
12:45 – 13:45	 Lunch break

Ground floor lobby (Atrium)

13:45 – 14:45	POSTER SESSION
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Aula Magna

Chair: Ernest Meštrović	
Student section	
14:45 – 14:55	Student communication SC-01 Terezija Som (Department of Chemistry, Osijek) Synthesis of cationic imidazole-based amphiphiles with potential antimicrobial activity
14:55 – 15:05	Student communication SC-02 Dea Hladek (Faculty of Chemical Engineering and Technology, Zagreb), Fully printed sodium-selective electrodes: Fabrication optimization and electrochemical evaluation
15:05 – 15:15	Student communication SC-03 Nina Meštrović (Faculty of Chemical Engineering and Technology, Zagreb) Voltammetric determination of vancomycin on carbon based printed electrodes
15:15 – 15:25	Student communication SC-04 Katarina Repušić (Department of Chemistry, Osijek) Synthesis of silver(I) and gold(III) complex compounds with bis-quinazoline derivatives
15:25 – 15:35	Student communication SC-05 Nika Šajković, Bruno Mikan (Faculty of Chemical Engineering and Technology, Zagreb) Coffee-ring based fingerprinting of pharmaceutical formulations
15:35 – 15:45	Student communication SC-06 Paula Čurić (Faculty of Chemical Engineering and Technology, Zagreb) Novel bisindole systems – Synthesis and antimicrobial activity
15:45 – 15:55	Student communication SC-07 Petra Popović (Faculty of Chemical Engineering and Technology, Zagreb) Electrospinning of natural polymers in advanced materials development
15:55 – 16:05	Student communication SC-08 Tea Kozić (Department of Chemistry, Osijek) Synthesis and structural characterization of a copper(II) complex with an oxygen-donor ligand
16:05 – 16:15	Student communication SC-09 Katarina Kordej (Faculty of Chemical Engineering and Technology, Zagreb) Synthesis and antimicrobial activity of Schiff bases

Aula Magna

16:15 – 16:30	Best Poster Award Best Student Lecture Award Closing Ceremony
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17:00 – 18:30	Guided Tour of Osijek Meeting point: Trg Svetog Trojstva, Tvrđa, Osijek
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