

POSTER SESSIONS

1. POSTER SESSION – TUESDAY JULY 8TH

1. Biljana Balabanova: A comparative study of carbon farming and conventional systems in corn and sunflower cultivation: case study in North Macedonia
2. Emese-Éva Bálint: Biomarkers and methods on analyzing the effect of priming on culture plants
3. Mihael Belas: Crystallization of ternary copper(II) compounds with dsDNA: screening and optimization
4. Barbara Bilandžija: Capabilities and limitations of total reflection X-ray fluorescence spectrometry (TXRF) technique for elemental analysis of dermocosmetic formulations
5. Regina-Izabella Bocor: Are internet-acquired antibiotics safe? Capillary electrophoretic and liquid chromatographic analysis of amoxicillin capsules
6. Elena Bogeve: Innovative technology for Temjanika wine production with honey addition before fermentation
7. Elena Bogeve: FT-IR analysis of Smederevka wines produced with honey addition before fermentation
8. Ioana-Despina Ciobanu: Formulation development of cationic liposomes with sorafenib
9. Saniga Clance: Determination of melamine in milk products by coupling isotachophoresis with zone electrophoresis on the microchip with conductivity detection
10. David Kučera-Čavara: A DNA-binding copper(II) ternary compounds with promising antitumor potential
11. Alexander Dushkov: Content evaluation and antitumor action of a water-ethanol extract from fruiting bodies of *Amanita muscaria*
12. Alina Filip: Protein restoration of cataract-associated P23T HyD-crystallin solubility by vitamin C
13. Fabian Firlinger: DNA methylation analysis of MGMT silencers in glioblastoma
14. Raluca Gog: Design and evaluation of boronic acid-based molecularly imprinted polymers for sustained doxifluridine release for local glioblastoma treatment
15. Jolan Hársfalvi: Enhancing networking and publication activity among CEEPUS partners
16. Alexandra Hengerics Szabó: Antioxidant capacity and total polyphenol content of selected Slovak meads
17. Jasna Hradski: Development of microchip isotachophoresis method for determination of pharmaceutical macrocomponents in cardiovascular drugs
18. Hana Hrašková: Quantification of hydroxyl radicals on BDD electrodes
19. Amalia-Simona Iacob: Shrinkable polystyrene decorated with gold nanostars as Surface-enhanced Raman spectroscopy biosensor for glucose detection
20. Bogdan-Cezar Iacob: Breaking the mold: a new route to febuxostat-imprinted polymers
21. Andrijana Marijan: Application of real-time PCR and high-resolution melting (HRM) for authentication of forest honey

22. Verena Wagner: PCR and high-resolution melting curve analysis for differentiating novel pear varieties
23. Youna Kim: Detection of apples in commercial juices and smoothies using PCR and high-resolution melting analysis
24. Csenge Kis: Fast determination of furocoumarins using capillary electrophoresis
25. Eliška Kočárová: Voltametric determination of tadalafil on a carbon composite electrode
26. Kristína Koščová: Voltametric determination of nimesulide at a polished silver solid amalgam electrode

2. POSTER SESSION – THURSDAY JULY 10TH

1. Sofija Iveković: Risk assessment of exposure to trihalomethanes and haloacetic acids in thermal water pools
2. Marija Jozanović: Antifungal activity of selected N-substituted imidazole and benzimidazole cationic surface active ionic liquids
3. Emese Kovács: Stability and structural aspects of all-aqueous emulsions stabilized by interfacial assemblies of oppositely charged nanoparticles and polyelectrolytes
4. Lucija Kutleša: *In Silico* toxicity profiling of degradation products identified from forced degradation of cinnarizine
5. Diana-Gabriela Macovei: Eco-friendly approach for antibiotic direct sensing: a biochar-based platform for biomedical and environmental applications
6. Gordana Majstorović: Move and learn - student and teachers mobility in vocational education: integrating laboratory practice, ICT and intercultural learning
7. Ioana Manea: SELEX selection of aptamers for cancer biomarkers
8. Ecaterina Mazur: Compatibility evaluation of the lactose with some active pharmaceutical ingredients using thermal and spectroscopic techniques
9. Silvia Melnic: Metal-organic frameworks: a promising materials in bioanalysis
10. Szidonía Nagy: Impact of biopriming with phytohormone-producing bacteria on maize seed germination: analytical characterization and bioefficacy assessment
11. Iva Palac Bešlić: Aromatic profile of Croatian strawberries
12. Klaudia Nikolettá Pap: Characterization of polymers elemental composition and bio-based content using ICP-OES and ¹⁴C techniques
13. Andreea Paraschivoiu: Molecularly imprinted polymer-based sensor for moxifloxacin detection using 3D printing technology
14. Petra Petrović: Monitoring G-quadruplex formation in c-kit1 and c-kit2 promoter sequences using SERS spectroscopy
15. Ewa Poboży: Determination of B-group vitamins and caffeine in the samples of an ecological, health-promoting beverage using liquid chromatography
16. Paula Podea: Enzyme-assisted extraction and bioanalytical profiling of pomegranate peel and seeds (*Punica granatum* L.) for cosmeceutical applications

17. Elisabeth Seibert: Chiral separation of new ketamine derivatives and determination of the enantiomer elution order using HPLC-UV-ORD
18. Pece Sherovski: DNA barcoding and high-resolution melting (HRM) analysis of native Macedonian *Stachys* species
19. Kornél Szabó: A study of therapeutic protein aggregation using capillary electrophoresis
20. Peter Szabó: Removal of octinoxate a UV-filter compound from aquatic environment using polydimethylsiloxane sponge
21. Ruben Szabo: A method for direct injection analysis of proteins with high matrix content: Taylor-Aris dispersion assisted mass spectrometry
22. Alexander Tzintzarov: Bioactive composite from chitosan and ferverfew extract and its impact on cancer cells
23. Alexandra-Ionuța Uilăcan: Electrophoretic and chromatographic approaches to wine polyphenol analysis: Advances in profiling, quality assessment, and authentication is good
24. Marek Vaško: Voltammetry in a flow-through cell using sensor with boron-doped diamond electrode
25. Sandro Vuk: Incoming mobility of students and teachers - Student and teachers mobility in vocational education: integrating laboratory practice, ICT and intercultural learning