

1st Congress of Chemists of Montenegro

Poster sessions



PO1 Wednesday, 27/05/2026
16³⁵ - 18³⁵

- PO1-1 - SPONSOR: PRIMAlab
- PO1-2 - A. Šapčanin, G. Jančan, M. Malenica, Ž. Jaćimović - Chemical-analytical methods for determination of CBD in selected forensic samples
- PO1-3 - A. Mujezin, A. Ajanović, I. Alilović, A. Ajanović, A. Smajlović, A. Magoda, E. Toromanović, V. Simić, I. Tahirović - Serum Lipid Profile in Male Wistar Rats Treated with High-Fat and High-Carbohydrate Diets
- PO1-4 - A. Radović, Ž. Jaćimović, M. Bigović, B. Kandić, N. Latinović - Fungicidal effect of the newly synthesized complex $Mn_2(L-H)_2 \cdot H_2O$ on fungus *Botryosphaeria dothidea*
- PO1-5 – A. Radović, Ž. Jaćimović, M. Vujić, B. Kandić, N. Latinović - In vitro studies of the newly synthesized complex $Co(L-H)_2 \cdot 2H_2O$ against the fungus *Diaporthe ampelina*
- PO1-6 – A. Ajanović, A. Mujezin, A. Ajanović, I. Alilović, I. Tahirović, E. Sofić - Changes in Cholesterol Concentrations in Human Blood with Age
- PO1-7 – B. K. Vulićević, V. Kastratović - Competitive adsorption of selected heavy metals on calcite
- PO1-8 – D. Kočović, A. Šapčanin, S. Hamidović, B. Imamović, Ž. Jaćimović - Synthesis, characterization and bactericidal properties of Cu(II), Pd(II) and Pt(II) complexes with 4-methylpyrazole
- PO1-9 – G. Jančan, A. Šapčanin, Ž. Jaćimović - HPLC test method for the determination of cannabinoids in different samples in routine quality control
- PO1-10 - I. Cvijetić, P. Ristivojević - COSMO-RS screening of hydrophobic deep eutectic solvents for aristolochic acids extraction
- PO1-11 – M. Kaluđerović, P. Ristivojević, D. D. Zagorac, M. Bigović - Comparison of ultrasonic bath and probe for NADES-assisted extraction of carotenoids
- PO1-12 - M. Dimitrijević, P. Thomashausen, M. Bogdanović, Lj. S. Vojinović-Ješić, I. Đ. Borišev, G. N. Kaluđerović, M. M. Radanović - Synthesis and biological evaluation of new pyrrolo[3,4-c]quinoline-1,3-dione–chalcone hybrids as dihydroorotate dehydrogenase inhibitors

- PO1-13 – M. S. Regojević, Lj. S. Vojinović-Ješić, B. B. Hollo, M. V. Rodić, M. M. Radanović - Novel 2,6-diacetylpyridine derivative zinc(II) complexes from one-step synthesis
- PO1-14 – M. S. Regojević, P. Thomashausen, M. G. Bogdanović, Lj. S. Vojinović-Ješić, I. Đ. Borišev, G. N. Kaluđerović, M. M. Radanović - Silver(I) complex with 3-(1-Pyrazolyl)-L-alanine: Structure and antioxidant activity
- PO1-15 – M. G. Dimitrijević, M. D. Joksović - Docking-guided design and synthesis of L-DOPA–pyrrolo[3,4-c]quinoline-1,3-dione hybrids as potential hDHODH Inhibitors
- PO1-16 - M. Stanković, N. Lj. Stevanović, T. P. Andrejević, D. P. Ašanin, B. V. Pantović, S. Š. Bogojević, B. Đ. Glišić - Antimicrobial Properties of Silver(I) Complexes with Miconazole
- PO1-17 – M. Stanković, T. P. Andrejević, N. Lj. Stevanović, D. P. Ašanin, I. Vučenović, B. V. Pantović, B. Đ. Glišić - Investigation of the Binding Affinity of a Silver(I) Complex with 1,6-Naphthyridine toward Biologically Relevant Molecules
- PO1-18 – M. Bigović, M. Roganović, V. Maslak, M. Kaluđerović, S. Vujović, D. Radinović, M. Jovanović - Determination of the composition of human thrombi by the method of FTIR spectroscopy
- PO1-19 - M. Bigović, K. Pete, M. Kaluđerović, N. Prlainović - Disubstituted Schiff Bases Synthesis and ABTS Antioxidant Evaluation
- PO1-20 – M. Bigović, M. Bakrač, Optimization of the synthesis of new Schiff bases of aldehydes with thiocarbohydrazide using an ultrasonic probe
- PO1-21 – M. Bigović, M. Đodić, M. Kaluđerović, Đ. Nakarada, A. Malović - Synthesis and characterization of Schiff bases of some natural aldehydes with thiocarbohydrazide
- PO1-22 – M. Milić, M. Ognjanović, B. Dojčinović, Ž. Jaćimović, D. Stanković, B. Antić - Single-core magnetite nanoparticles as dual-function agents heat generators and Peroxymonosulfate nanocatalysts for dye degradation
- PO1-23 – S. Pantović, M. Roganović, T. Vojinović - Plasma Proteome Modulation and Cytokine Removal During Membrane Plasmapheresis in Post-Viral Neuroinflammation: A Case-Based Medical Chemistry Insight
- PO1-24 – T. Milivojević, M. Ranković, N. Gavrilov, A. Jevremović, B. N. Vasiljević, D. B. Bogdanović, M. M. Rakić - Exploration of PFAS Degradation over Ti-Supported Ti-suboxides

PO2 Thursday, 28/05/2026
15⁵⁰ - 17⁵⁰

- PO2-1 – A. Šapčanin, F. Bikić, G. Jančan, Ž. Jaćimović - The assessment of potential fitoremediation purpose of selected plants in Zenica municipality
- PO2-2 – A. Šapčanin, F. Bikić, G. Jančan, Ž. Jaćimović - The health risk assessment posed to heavy metals in the topsoil and plant cultivars of Zenica municipality
- PO2-3 - A. Chiznov - Scientific Misconduct in Chemistry and Related Areas how to recognize it and defend
- PO2-4 – A. Race, I. Jerman, N. Bošković - Comparative Microscopy Application of Raman and FTIR Spectroscopy in the Identification of Microplastics from Sediments
- PO2-5 – B. D. Vratnica, P. Šofranac, S. Krivokapić, S. Perović - Variability in Yield and Thymol/Carvacrol content of Hydrodistilled Essential oil from Winter Savory
- PO2-6 – Đ. Nakarada, Z. Latinković, M. Mojović - Influence of Liposomal Encapsulation on the Antioxidant Properties of *Vaccinium myrtillus* Extract
- PO2-7 – Đ. Nakarada, N. Preradović, M. Mojović - Liposomal Delivery of *Inonotus obliquus* Extract in a Dermocosmetic Cream: Antioxidant Activity and Penetration Studied by EPR
- PO2-8 – J. Šćepanović, M. Milićević, D. Radonjić, D. Vuksanović - Possibilities of using Electrical and electronic waste
- PO2-9 – K. Laketić, B. K. Vulićević, I. Bulatović, S. Laschi, I. Palchetti - Electrochemical sensor for zinc monitoring in mining-impacted waters
- PO2-10 – L. Andrić, A. Orahovac, D. Đurović - Risk assessment of acrylamide in potato chips in Montenegro
- PO2-11 - M. Roganović, T. Antunović, B. Vujović, S. Vujović, Lj. Radulović, M. Debeljević, S. Peruničić, Z. Idrizović, J. Eraković, D. Milikić, I. Bulatović - Analytical Concordance Between KFLC Index And Isoelectric Focusing of Cerebrospinal Fluid and Serum In Patients With Multiple Sclerosis: Experience From Montenegro
- PO2-12 – M. Kandić, B. D. Vratnica, D. Đurović - The effect of potato pretreatment on acrylamide formation in French fries during frying
- PO2-13 – M. Kaluđerović, M. Bigović, J. Micev, A. Rakočević - Development and Environmental Biodegradation of Starch-Based Bioplastics
- PO2-14 – A. Babić, V. Živković, M. Nikolić, B. Knežević, M. Bigović - Occurrence and distribution of estrogenic compounds in the Skadar Lake basin

- PO2-15 – M. Milić, B. Dojčinović, Ž. Jaćimović, S. Novaković, M. S. Novaković, B. Antić - Mechanistic insight into arsenic binding and selectivity of UiO-66-NH₂ in real groundwater
- PO2-16 – N. Agilee, M. Delić, Đ. Ogizović, T. Spasojević, N. Prlainović, M. Đolić - From Nut Shell Waste to Dye Adsorbents: The Effect of Cationic Dye Structure on Removal Efficacy
- PO2-17 – N. Bošković, A. Race, I. Jerman, Ž. Jaćimović - Anthropogenic Pressure Reflected in Microplastic Loads: Evidence from the Sitnica River
- PO2-18 – N. Bošković, Ž. Jaćimović, A. Race, I. Jerman - Hidden Pollutants in a Protected Alpine Environment: Microplastic Contamination of Vražje Lake, Durmitor National Park
- PO2-19 – N. Kićović, J. Trifković, F. Andrić, M. Bigović, D. Dabić, M. Kaluđerović, P. Ristivojević - Green NADES-based extraction of apple peel bioactives: a sustainable source of antioxidants and tyrosinase inhibitors
- PO2-20 – S. Blagojević, S. B. Vuksanović, J. Jočić, N. Blagojević, V. V. Pešić - Antioxidant Capacity of fresh chokeberry fruit (*Aronia melanocarpa*) from Montenegro
- PO2-21 – S. Blagojević, S. B. Vukanović, J. Jočić, V. V. Pešić, N. Blagojević - Spectrophotometric determination of polyphenols in extracts of chokeberry fruit (*Aronia melanocarpa*) from Montenegro
- PO2-22 – S. Lukovac, N. Tadić, D. Đurović, I. Nikolić - Incorporation of flotation tailing from mining of Pb and Zn into fly ash-based geopolymers: Evaluation of the leaching protocol
- PO2-23 – T. Vojinović, S. Pantović, M. Delević, Dj. Hadzibeti, M. Roganović - Mercury in Fish and Seafood on the Montenegrin Market: Analytical Monitoring and Relevance for Public Health and Tourism
- PO2-24 – T. Milivojević, F. Bošković, B. Mugoša, O. Gogić, M. Nikočević - Assessment of Acrylamide Exposure and Associated Health Risk from Potato Chips Consumption in Montenegro
- PO2-25 – D. Vuksanović, D. Radonjić, J. Šćepanović - The role of Transfer stations in an efficient Waste management system