

11th Serbian-Croatian-Slovenian Symposium on Zeolites

PROGRAM

May 20-22, 2026.
Faculty of Technology and Metallurgy, Belgrade, Serbia

PROGRAM

Wednesday, 20 May 2026

Time	Title
11 ⁰⁰ - 13 ⁰⁰	Registration
13 ⁰⁰ - 13 ¹⁵	11 SCS Symposium Opening Ceremony Welcome Address <i>Welcome address from Organizers</i> <i>Welcome address from President of Slovenian Zeolite Association</i> <i>Welcome address from President of Croatian Zeolite Association</i>

	Session 1. Chair: Marina Trgo
13 ¹⁵ - 14 ⁰⁰	Synthesis of high added value zeolites from waste materials: One link in the virtuous circle of circular economy George E. Christidis PLENARY LECTURE
14 ⁰⁰ - 15 ⁰⁰	Lunch
	Session 2. Chair: Ljiljana Damjanović-Vasilić
15 ⁰⁰ - 15 ³⁰	Heavy metal removal on selected sorbents in batch reactors Mario Nikola Mužek INVITED LECTURE
15 ³⁰ - 15 ⁴⁵	Isotherm modeling of Zn(II) sorption onto fruit pit-derived sorbents as sustainable alternatives to natural zeolite Sunčica Mileta, Ivona Nuić, Marin Ugrina
15 ⁴⁵ - 16 ⁰⁰	Compressive strength of repair cement-based mortars containing zeolitic tuff and limestone Tiana Milović

16 ⁰⁰ – 16 ¹⁵	<p>Characterization and adsorption performance of zeolite-based geopolymers <i>Dušan V. Trajković, Aleksandra S. Popović, Jelena K. Dikić, Dragana Z. Živojonović</i></p>
16 ¹⁵ – 16 ⁴⁵	Coffee break
Session 3. Chair: Sanja Jevtić	
16 ⁴⁵ – 17 ⁰⁰	<p>Powder Characterization Ivan Dimitrijević, MC Labor, SPONSOR</p>
17 ⁰⁰ – 17 ¹⁵	<p>Bacterial immobilization on natural zeolite: role of specific properties and contact time Blanka Dadić, Jasna Hrenović, Tomislav Ivanković</p>
17 ¹⁵ – 18 ⁰⁰	<p>Short oral presentations</p> <p>Comparative assesment of ibuprofen sorption onto fruit pit-derived sorbents and natural and modified zeolites: a preliminary study Ivona Nuić, Lucija Matuzić, Jelena Grubeša, Marin Ugrina, Marina Trgo, Franko Burčul, Ana Vučak</p> <p>Comparative evaluation of ketoprofen adsorption on cetylpyridinium – modified zeolite and kaolin Milena Obradović, Milica Ožegović, Marija Marković, Aleksandra Daković, Danina Krajišnik</p> <p>Chitosan/tetracycline/zeolite composite films: Investigation of functional and biopharmaceutical properties Danina Krajišnik, Snežana Uskoković-Marković, Aleksandra Daković, Marija Marković</p> <p>Removal of lead ions onto natural zeolite in presence of fulvic and humic acids Marina Trgo, Ivona Nuić, Marin Ugrina</p> <p>Influence of synthetic zeolites on the leaf-to-stem ratio in forage pea Nevena Rističević, Igor Đurđić, Branka Govedarica, Tanja Jakišić, Vesna Milić</p> <p>Efficiency of organozeolite and organobentonite in the removal of diesel from contaminated water Natalija Petronijević, Aleksandra Daković, Milena Obradović, Jelena Avdalović, Jelena Milić, Kristina Joksimović, Vladimir Beškoski</p>

Thursday, 21 May 2026

Time	Title
	Session 4. Chair: Alenka Ristić
9 ³⁰ -10 ¹⁵	Advancing zeolite-catalyzed processes for sustainable chemicals and fuels production Vladimir Paunović PLENARY LECTURE
10 ¹⁵ -10 ³⁰	Study of catalytic potential of zeolites for oxidation of volatile organic compounds Filip Car, Ana Palčić, Vesna Tomašić
10 ³⁰ -10 ⁴⁵	Durability of lime based mortars containing natural zeolite in the presence of sodium sulfate Majda Potkonjak, Marina Škondrić, Vladana Rajaković-Ognjanović, Zorana Naunović
10 ⁴⁵ -11 ¹⁵	Coffee Break
	Session 5. Chair: Jasna Hrenović
11 ¹⁵ -11 ⁴⁵	Natural and modified zeolites as adsorbents of mycotoxins Marija Marković, Milica Ožegović, Milena Obradović, Aleksandra Daković INVITED LECTURE
11 ⁴⁵ -12 ⁰⁰	Altium International: Tehnologija pouzdanih rezultata Bojana Vujačić, Altium, SPONSOR
12 ⁰⁰ -12 ¹⁵	Advanced Instrumentation for Zeolite Research Nina Rejc, AstrineXLab laboratorijski sistemi, SPONSOR
12 ¹⁵ - 13 ¹⁵	Lunch
	Session 6. Chair: Nataša Zabukovec Logar
13 ¹⁵ - 13 ⁴⁵	Green synthesis approaches in the synthesis of zeolitic imidazolate frameworks Aljaž Škrjanc KEYNOTE LECTURE
13 ⁴⁵ - 14 ⁰⁰	Gamma-irradiation-modified UiO-66 for efficient hexavalent chromium removal from aqueous solutions Radojka Vujasin, Djordje Petrović, Srboljub Stanković, Marija Egerić, Yi-nan Wu, Aleksandar Devečerski, Ljiljana Matović

14 ⁰⁰ – 14 ¹⁵	<p>Metal-organic frameworks with copper(II), N-alkylated glycine and 3,3'-bipyridine: Two forms of the same family</p> <p>Darko Vušak, Katarina Ležaić, Mia Jurković, David-Kučera Čavara, Željka Soldin, Dijana Žilić, Biserka Prugovečki</p>
14 ¹⁵ – 14 ⁴⁵	Coffee break
	Session 7. Chair: Vladislav Rac
14 ⁴⁵ – 15 ⁰⁰	<p>Screening of Cu and/or Mn containing zeolites as catalysts for total oxidation of volatile organic compounds</p> <p>Miloš Čenić, Matej Bubaš, Magdalena Jabłońska Nataša Novak Tušar</p>
15 ⁰⁰ -15 ⁴⁵	<p>Short oral presentations</p> <p>Leachate treatment through a natural zeolite column</p> <p>Jasna Hrenović, Tomislav Ivanković, Blanka Dadić, Ivan Jukić, Aleksandra Anić Vučinić</p> <p>Optimization of the synthesis of anionic zirconium ellagate frameworks</p> <p>Miljan Radošević, Ciara Byrne, Aljaž Škrjanc, Nataša Zabukovec Logar</p> <p>Simultaneous thermal analysis of composite sorbents for thermochemical energy storage</p> <p>Jan Marčec, Nataša Zabukovec Logar, Alenka Ristić</p> <p>Insights into structure direction during zeolite synthesis</p> <p>Ana Palčić, Sanja Bosnar</p> <p>Comparative assessment of zeolite-assisted magnetic electrocoagulation for the treatment laundry greywater and compost wastewater</p> <p>Nediljka Vukojević Medvidović, Ladislav Vrsalović, Sandra Svilović, Senka Gudić, Elena Pedišić</p> <p>Sorption-oriented evaluation of the selectivity of iron sulfide-functionalized natural zeolite clinoptilolite for Hg(II) in the presence of competing divalent heavy metal ions</p> <p>Marin Ugrina, Ivona Barišić, Antonija Jurić, Ivona Nuić, Ana Kokeza, Marina Trgo, Martin Gaberšek, Teja Čeru, Mateja Gosar</p>
15 ⁴⁵ -17 ³⁰	Free time
17 ³⁰ -19 ⁰⁰	Guided tour

19 ⁰⁰ -23 ⁰⁰	<i>Conference dinner</i>
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Friday, 22 May 2026

Time	Title
	Session 7. Chair: Nediljka Vukojević Medvidović
9 ³⁰ -10 ⁰⁰	Two faces of zeolites: Friends and foes anf <i>Acinetobacter</i> spp. Jasna Hrenović KEYNOTE LECTURE
10 ⁰⁰ -10 ¹⁵	Organozeolites as dual antioxidant and antimicrobial agents with high efficiency for removal of diclofenac sodium Milena Pantić, Maja Kozarski, Vesna Lazić, Milena Obradović, Milica Ožegović, Aleksandra Daković
10 ¹⁵ -10 ³⁰	Eu-modified mordenite as a luminescent sensor and adsorbent of fluoroquinolone antibiotics Katarina Rondović, Srna Stojanović, Kristina Mojsilović, Marko Dević, Rastko Vasilić, Vladislav Rac, Ljiljana Damjanović-Vasilić
10 ³⁰ -11 ⁰⁰	Coffee break
	Session 8. Chair: Ana Palčić
11 ⁰⁰ -11 ¹⁵	Adsorption behavior of Cd ²⁺ , Pb ²⁺ and Hg ²⁺ ions on natural and synthetic zeolites in a model system of condensate from vacuum pyrolysis of batteries Marija Štulović, Jelena Dikić, Dragana Radovanović, Nataša Gajić, Katarina Sokić, Željko Kamberović, Sanja Jevtić

11 ¹⁵ -12 ⁰⁰	<p>Short oral presentation</p> <p>Dependence of Acid Blue 111 adsorption efficiency on pH value using modified natural clinoptilolite <i>Stevan Stupar, Nemanja Vučković, Dušan Mijin, Sanja Jevtić, Jelena Dikić</i></p> <p>Fluorescent detection of ciprofloxacin using Tb³⁺-exchanged zeolites <i>Srna Stojanović, Katarina Rondović, Marko Dević, Kristina Mojsilović, Rastko Vasilić, Vladislav Rac, Ljiljana Damjanović-Vasilić</i></p> <p>Novel menthol-enriched chitosan/zeolite composites as water disinfectants <i>Jelena Dikić, Sanja Jevtić, Katarina Sokić, Nikola Milašinović, Mirjana Minceva, Jelena Pajnik</i></p> <p>APTES-modified zeolite immobilized in alginate beads for efficient Ag(I) removal from aqueous solutions <i>Jelena Dimitrijević, Jelena Dikić, Jelena Petrović, Marija Simić, Marija Koprivica, Marija Ercegović, Sanja Jevtić</i></p> <p>Preparation, characterization and kinetics of zeolite/alginate composites <i>Bojana Rajčić, Mihaela Novaković, Katarina Sokić, Jelena Pajnik, Jelena Dikić, Sanja Jevtić</i></p> <p>Mineralogical characterization of the Zlatokop zeolitic tuff by quantitative Rietveld analysis <i>Ana S. Radosavljević-Mihajlović, Ivana Jelić, Jovica Stojanović, Slavica Mihajlović, Nikola Vuković</i></p>
12 ⁰⁰ -12 ¹⁵	Closing remarks
12 ¹⁵ -13 ¹⁵	Lunch