

**10TH INTERNATIONAL CONFERENCE
MINING AND ENVIRONMENTAL PROTECTION**

MEP26



**10. MEĐUNARODNA KONFERENCIJA
RUDARSTVO I ZAŠTITA ŽIVOTNE SREDINE**

**SOKOBANJA,
09-12.09.2026.**



PROGRAMME

OF THE 10th INTERNATIONAL CONFERENCE ON
MINING AND ENVIRONMENTAL PROTECTION

09.09.2026. WEDNESDAY

15.00 - 20.00

Arrival and Registration of Participants

20.00

Welcome Cocktail

10.09.2026. THURSDAY

08.00 - 11.00

Arrival and Registration of Participants

11.00 - 11.30

The Opening Ceremony of the Symposium

11.30 - 13.00

Plenary Lectures

MadžarevićAleksandar, Jovančić Predrag, Crnogorac Miroslav, Aleksić Nikoleta:

Hydrogen basin – illusion or the future? between energy transition, technological constraints, and realistic opportunities

Milovančević Miloš, Miletić Filip, Živanović Miloš, Lazić Marko:

A hybrid anfis-deepsurv framework for predictive modeling of environmental impacts in mining

Elezović Nataša:

Application of environmental management systems in the mining industry

Alijagić Jasminka, Šajn Robert:

Application of artificial intelligence in advanced spatial analysis and monitoring: selected case studies

13.00 - 14.00

Company Presentation

14.00 - 16.00

Lunch Break

16.00 - 19.00

First Working session

Živković Marija, Ivezić Dejan, Pavlović Boban, Madžarević Aleksandar, Ećim-Đurić Olivera:

Exploring the potential for air pollution mitigation in urban environments: a case study of Vranje

Majstorović Jelena, Volkov-Husović Tatjana, Savković Snežana:

Rock and refractory samples ultrasound testing for solving problems in mining, construction and metallurgy

Peltechki Dragi:

Diagnosing critical raw materials sector readiness in candidate countries: a pestle-based assessment of North Macedonia

Jovančić Predrag, Marić Miroslav, Ristović Ivica, Graovac Jelena, Madžarević Aleksandar, Stojković Nevena, Miletić Filip, Đenadić Stevan:

Green predictive maintenance 4.0 (GPM 4.0) in mining

Chen Dan Ting, Stegemann Julia A:

Beyond waste: elemental insights into biomass ash valorisation pathways for a sustainable bioenergy future

Vladimir Malbašić, Svjetlana Sredić,Malbašić Jovana, Tošić Dražana:

Application of multi-criteria assessment and evaluation of mining projects with the integration of economic, social and environmental factors

Despodov Zoran, Adjiski Vancho, Mitevski Adriana:

Analysis and risk assessment from flood wave of the "Otinja" dam – tip

Oñate Silvia, Gullón Lidia, Rosado Santiago

Towards ai-enabled groundwater quality prediction and proactive decision support in mining environments

Pantelić Uroš, Nišić Dragana, Cvjetić Aleksandar, Jovičić Toma:

Daily PM₁₀ modelling in a mining–industrial area: chronological validation and atmospheric-mixing indicators

Khasanova Galima, Mustafin Sabir:

Natural evolution and technogenic transformation of the geological environment of modern urban agglomeration (on the example of the city of UFA, Republic of Bashkortostan, Russian Federation)

19.00

Poster Section

11.09.2026. FRIDAY

09.00 - 13.00

Second Working session

Milošević Dragan, Praštalo Željko, Aćimović Drago, Šarac Rade:

Disposal of mining waste in open-plan mines for the purpose of environmental protection

Lutovac Suzana, Gligorić Miloš, Tokalić Rade, Crnogorac Luka:

safety distance determining due to seismic effect of the explosion during the blasting activities at the Kovilovača open pit

Sena-Vélez Marta, Antanasković Anja, Hénaut Hugo, Šoštarić Tatjana, Bourgerie Sylvain, Lopičić Zorica, Morabito Domenico:

Enhancing phytostabilization of highly polluted soils using agricultural-derived biochars and bio-oil

Štruc Miha, Oprčkal Primož, Ščančar Janez, Milačić Ščančar Radmila, Đurić Marija, Marinič Dragica:

Bioremediation of critical raw materials from different secondary resources and its challenges

Nišić Dragana, Milićević Jovan, Cvjetić Aleksandar, Višnjić Dušan, Zhang Chan:

Application of GISTM principles in tailings management

Volkov Husović Tatjana, Alil Ana, Martinović Sanja:

Materials for mining application: a review of wear mechanisms for tribological systems

Pantelić Uroš, Rupar Veljko, Nišić Dragana, Čebašek Vladimir, Cvjetić Aleksandar:

Evaluation of alkali-activated paste backfill used on copper flotation tailings

Doneva Nikolinka, Zendelska Afrodita, Hadzi-Nikolova Marija, Mirakovski Dejan, Golomeov Blagoj:

Mitigating environmental risks at the probistip tailing storage facility, North Macedonia

Rosado Santiago, Gotsis Antonis, Oñate Silvia, Gullón Lidia:

Multi-sensor integration in an unmanned aerial vehicle (UAV) for real-time gas monitoring in underground mining

Todorović Dejan, Jovanović Vladimir, Ivošević Branislav, Radulović Dragan, Milićević Sonja, Kornev Aleksej:

The evolution and industrial application of high-gradient magnetic separation (hgms) in mineral processing and mining

Vučković Bogoljub:

Beyond 2025 - geochemical features of topsoil, sediments, coal and ash in Drmno deposit, Kostolac lignite basin, Eastern Serbia

Galjak Jovana, Krstić Miljana, Stojković Ivan, Milentijević Gordana, Aleksandar Djordjević, Milojević Svetomir:

Heavy metal contamination of Ibar river sediments: geochemical indices and comparison with sediment quality guidelines

Ilić Marija, Živković Marija, Danilović Dušan, Karović-Maričić Vesna, Crnogorac Miroslav, Mirjanić Anastasija, Tomić Lola:

Greenhouse gas emissions from natural gas flaring: a case study of gas fields in Serbia

13.00-15.00	Lunch Break
15.00-19.00	Third Working session
Oñate Silvia, Gullón Lidia, Rosado Santiago, Vale Alberto, Narciso João, Azevedo Leonardo, Frazão Alexandre:	
<i>The role of advanced geophysical exploration in securing critical raw materials</i>	
Pavlović Natalija, Šubaranović Tomislav, Pavlović Vladimir:	
<i>Management of climate change adaptation in open pit mining</i>	
Mirjanić Anastasija, Božović Vladislav, Crnogorac Miroslav, Danilović Dušan, Ilić Marija, Karović-Maričić Vesna, Tomić Lola:	
<i>Cuttings re-injection (cri) technology as a sustainable alternative for drilling waste management in the Serbian oil industry</i>	
Stojković Nevena, Ristović Ivica, Radulović Dragan, Ivošević Branislav, Vuksanović M. Marija, Egelja Adela, Šaponjić Aleksandra:	
<i>Formation of mullite from processed mine tailing based on kaolin</i>	
Sonja Ketin, Aleksandar Jovicić, Marko Andrejić:	
<i>Method of solidification of industrial waste - examples and experiences</i>	
Šubaranović Tomislav, Tomić Aleksandra, Kostić Dragana:	
<i>Prediction of the environmental impact of mining waste in Serbia</i>	
Stojmenović Marija, Ristović Miodrag, Kragović Milan, Nenad Ristić, Milićević Sonja, Ivona Janković, Gulicovski Jelena:	
<i>Valorization of industrial waste enamel as a partial cement replacement in prefabricated concrete paving blocks</i>	
Knežević Graovac Sanja, Ivanović Marija, Nenadović Snežana, Mijatović Svetislav, Graovac Stefan:	
<i>Generative-AI-assisted reconstruction of structural evolution in metakaolin-based alkali-activated materials and their Nd/Sm-doped derivatives under thermal treatment</i>	
Ristović Miodrag, Nišić Neda, Nikolić Katarina, Ivana Jelić, Gulicovski Jelena, Kragović Milan, Stojmenović Marija:	
<i>Comparative structural and microstructural characterization of enamel waste mixtures</i>	
Nikolić Katarina, Ristović Miodrag, Lišanin Radmila, Nišić Neda, Kragović Milan, Stojmenović Marija, Gulicovski Jelena:	
<i>Effect of modification route on the electrochemical properties of almond shell activated carbon</i>	
Stefanović Katarina, Nišić Neda, Nikolić Katarina, Gulicovski Jelena, Kragović Milan, Simić Vladimir, Stojmenović Marija:	
<i>Application of remote sensing for the identification of clinoptilolite-rich zeolites: a case study of the Zlatokop deposit, Serbia</i>	
Lišanin Radmila, Gulicovski Jelena, Stojmenović Marija, Stefanović Katarina, Milićević Sonja, Dodevski Vladimir, Kragović Milan:	
<i>Optimization of carbon adsorbent composition derived from organic household waste for efficient phenol removal from water</i>	
19.00	Closing Session
20.00	Official Dinner
12.09.2026. SATURDAY	
10.00-13.00	Excursions
13.00-15.00	Lunch
15.00	Departure of participants