

## Special Issue

# Mining Engineering: Present and Future Perspectives

### Message from the Guest Editors

Mining is one of the oldest organized human activities. The future of mining is being shaped by global trends, including the green transition, digitalization, technological innovation and increased environmental awareness. Mining is increasingly using advanced technologies such as automation, remote control of machinery and digitalization of processes, which reduces costs, increases productivity and improves safety in the workplace. The future of mining is bright, but it requires adapting to new technologies, environmental standards and global economic challenges. Recommended topics include, but are not limited to, the following:

- Mining engineering.
- Mine exploitation (mining methods, fragmentation, explosives and blasting, transportation, ventilation, design and planning of surface and underground mines, rock mechanics, tunneling).
- Mine safety science and technology.
- Mining environment and sustainable development.
- Artificial intelligence techniques for mining applications.
- Mining automation and integration.
- Mining waste management and recycling technologies.
- Life cycle assessment in mining.
- Post-mining management.

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### Guest Editors

Dr. Vinko Škrlec

Prof. Dr. Muhamed Suceska

Dr. Hajime Ikeda

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### Deadline for manuscript submissions

20 November 2025



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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