

Special Issue

Mining Engineering: Present and Future Prospectives

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.

Guest Editors

Dr. Vinko Škrlec

Prof. Dr. Muhamed Suceška

Dr. Hajime Ikeda

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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