

Special Issue

Advances in Sustainable Mining and Mineral Processing: Applications and Trends

Message from the Guest Editors

Mining and related industries hold significant potential to influence sustainable development positively within any nation. The emphasis on "Sustainable Mining and Mineral Processing" is increasingly shifting towards the enhancement of machinery, operations, and maintenance to boost eco-efficiency, mitigate environmental impacts, and preserve economic sustainability. With proper investment in resource exploitation and processing, there is a substantial opportunity to generate value across various economic sectors. The evolving technological, economic, and environmental standards prompt a re-evaluation of mining advancements and the exploration of the processes and outcomes associated with these advancements. Thus, this Special Issue invites original research papers, reviews, case studies, and technical notes that highlight innovative contributions in the realm of mining and mineral processing. Keywords

mining methods

mine-to-mill

AI in mining

mining machinery

maintenance advances

mineral processing

resource management

green operation

sustainable mining

human factor

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closed (20 March 2025)



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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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