Special Issue

Advanced and Sustainable Technology for Mining Engineering

Message from the Guest Editors

The mining industry is facing a pivotal transformation driven by the urgent global need for sustainable resource management and climate-conscious development. Emerging technologies such as automation, digitalization, artificial intelligence, and intelligent systems are revolutionizing mining practices to enhance safety, improve energy efficiency, and reduce environmental impacts. This transition not only advances operational performance but also addresses critical sustainability challenges, including ecosystem preservation, and responsible resource utilization. By integrating technological innovation with sustainability principles, mining engineering is evolving as a key discipline for supporting global sustainable development goals. We invite original research articles and comprehensive reviews on topics including, but not limited to:

- Advanced and automated mining technologies are enhancing sustainability;
- Energy-efficient and low-impact mining processes;
- Digital transformation supporting sustainable decision-making in mining;
- Environmental protection, risk assessment, and ecosystem rehabilitation.

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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

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