

Special Issue

Sustainable Materials and Innovative Techniques for Green and Safe Mining

Message from the Guest Editors

As public awareness of sustainability grows, regulatory requirements and safety constraints in mining operations have become increasingly stringent. Novel and sustainable technologies and materials are urgently required in green and safe mining. Additionally, mining operations generate large volumes of solid residues, liquid effluents, and gaseous emissions. Therefore, achieving comprehensive treatment and resource utilization of mining waste is imperative. This special issue focuses on the critical role of sustainable materials and innovative technologies in promoting green and safe mining practices and waste utilization. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following: new methods and processes for sustainable mining; new technologies and materials for rock strata control; new technologies and materials for functional underground applications; waste disposal and sustainable utilization in mining. We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

31 May 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/248651

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

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