





an Open Access Journal by MDPI

# Advances in Sustainable Mining and Mineral Processing: Applications and Trends

Guest Editors:

#### Prof. Dr. Behzad Ghodrati

Division of Operation and Maintenance Engineering, Lulea University of Technology, 97187 Lulea, Sweden

#### Dr. Javad Sattarvand

Department of Mining and Metallurgical Engineering, University of Nevada, Reno, NV 89557, USA

Deadline for manuscript submissions:

30 September 2024

### **Message from the Guest Editors**

Dear Colleagues,

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.

pecialsue

Keywords
mining methods
mine-to-mill
Al in mining
mining machinery
maintenance advances
mineral processing
resource management
green operation



mdpi.com/si/197667







an Open Access Journal by MDPI

#### **Editor-in-Chief**

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

## **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.

#### **Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

#### **Contact Us**