# Special Issue

# Green Low-Carbon Technology for Metalliferous Minerals

### Message from the Guest Editor

Metalliferous minerals play a central role in the global economy. Significant challenges will likely emerge if the climate-driven green and low-carbon development transition of metalliferous minerals exploitation is not managed responsibly and sustainably. Prof. Guo of BGRIMM was the first to propose a new development concept for green low-carbon mining, which is vital to promote the development of metalliferous mineral resources shifting from extensive destructive mining to clean and energy-saving mining in future decades. This Special Issue intends to collect the latest developments in the green low-carbon mining field, written by well-known researchers who have contributed to the innovation of new technologies, process optimization methods, or energy-saving techniques in metalliferous minerals development. Topics addressed may include but are not limited to: Green low-carbon technologies, system and optimization method; Fronters in mining with backfill; Mine waste and heat management; Geomechanical behavior of mine backfill; Energy-saving techniques in mining; Alternative by product materials for green mining; Green low-carbon development criteria of mining.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 August 2022)

**Metals**

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# About the Journal

## Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

## Editors-in-Chief

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