minerals

an Open Access Journal by MDPI

IMPACT FACTOR 2.2

CITESCORE 4.4

Comprehensive Utilization of Metallurgical Slag

Guest Editors:

Prof. Dr. Yan Liu
Key Laboratory of Ecological Metallurgy of Multi-Metal Intergrown Ores of Ministry of Education, Northeastern University, Shenyang 110819, China

Dr. Xiaolong Li
School of Metallurgy, Northeastern University, Shenyang 110819, China

Deadline for manuscript submissions:
closed (20 April 2024)

Message from the Guest Editors

Dear Colleagues,

Metallurgical slag contains many valuable metals and is a potential resource. The efficient extraction of metal resources from metallurgical slag and the safe disposal of tailings have long been research priorities. New methods and engineering processes for recovering key metals from metallurgical slags such as steel slag, magnesium slag, copper slag, red mud, zinc slag, and vanadium slag have emerged as a result of the development of technology, extensive research, and the pursuit of environmental friendliness. This issue encourages the author to utilize advanced pyrometallurgy, hydrometallurgy, and electrometallurgy techniques to recover metals from metallurgical slag or produce high-value products. Furthermore, the application of external field strengthening methods, microstructures, and advanced mineral characterization are of interest.

minerals

an Open Access Journal by MDPI

IMPACT FACTOR 2.2

CITESCORE 4.4

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut,
University Bayreuth, D-95440
Bayreuth, Germany

Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.
Journal Rank: JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

Contact Us

Minerals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/minerals
minerals@mdpi.com
𝕏@Minerals_MDPI/