



minerals



an Open Access Journal by MDPI

Metallurgical Solid Waste: Mineralogy, Chemistry and Application/Treatment

Guest Editors:

Dr. Wentao Hu

School of Civil and Resource
Engineering, University of
Science and Technology Beijing,
Beijing 100083, China

Dr. Hong Peng

School of Chemical Engineering,
The University of Queensland,
Brisbane 4072, Australia

Deadline for manuscript
submissions:

closed (31 March 2023)

Message from the Guest Editors

Dear Colleagues,

The objective of this Special Issue is to compile a collection of updated and profound studies that document recent advances in the bulk utilization of metallurgical solid waste. The issue will focus on the mineralogy research and application/treatment of metallurgical solid waste (steel slag, desulfurized fly ash, red mud, anode slime, tailings, etc.), including the cross-industry collaborative resource utilization of multi-source solid waste, and new near-zero waste approaches of metallurgy. Emphasis will be placed on recycling and reusing, as well as the sustainability and inexpensive production of high-value, clean products using metallurgical solid waste.

Dr. Wentao Hu
Dr. Hong Peng
Guest Editors



mdpi.com/si/110299

Special Issue



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 & Mineral Processing*) / CiteScore - Q2 (*Geology*)

Contact Us

Minerals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/minerals
minerals@mdpi.com
[X@Minerals_MDPI/](https://twitter.com/Minerals_MDPI/)