# Special Issue

# Synthesis, Properties and Applications of Metallurgical Waste-Modified Materials in Construction Industry

### Message from the Guest Editors

The greatest challenge for the metallurgical industry is the generation of voluminous waste and by-products. Over the years, researchers have investigated technologies and processes to beneficiate and valorize these materials for applications in the building and construction sector. This Special Issue focuses on and present innovative worldwide research that aims to synthesize, modify, stabilize, and study the properties of metallurgical waste and by-products for applications in the construction sector. This Special Issue is seeking (but not limited to) articles related to the following research areas:

- Geochemical and geotechnical properties of metallurgical waste or by-products for construction.
- Treatment and stabilization of metallurgical waste or by-products for construction.
- Modification of metallurgical waste or by-products for construction.
- Resource recovery from metallurgical waste or by-products.
- Sustainable materials from metallurgical wastes or by-products for construction.
- Characterization of waste-modified materials for construction.
- Applications of waste-modified materials for construction.

### Guest Editors

Dr. Tebogo Mashifana
Dr. Nastassia Thandiwe Sithole
Dr. Bolanle Deborah Ikotun

### Deadline for manuscript submissions

closed (30 November 2022)

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*Minerals*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
minerals@mdpi.com

mdpi.com/journal/minerals

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# About the Journal

## 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.

## Editor-in-Chief

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

## Author Benefits

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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)

### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

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