



## Sustainable Use of Abandoned Mines, 2nd Edition

Guest Editors:

**Dr. Sphiwe Emmanuel Mhlongo**

Department of Earth Sciences,  
Faculty of Science, Engineering  
and Agriculture, University of  
Venda, Thohoyandou 0950,  
South Africa

**Dr. Ingrid Watson**

Wits Mining Institute, University  
of the Witwatersrand,  
Johannesburg 2050, South Africa

**Dr. Kawawa Banda**

Department of Geology, School  
of Mines, University of Zambia,  
Lusaka 32379, Zambia

Deadline for manuscript  
submissions:

**closed (28 February 2025)**

### Message from the Guest Editors

Abandoned mines are a costly legacy for governments in countries or regions with a long history of mining. These mines present different types and magnitudes of environmental problems, public health and safety risks, and socio-economic concerns. Therefore, abandoned mine sites cannot be used or reused sustainably without effectively addressing their hazards. This makes the rehabilitation or repurposing of these mines for sustainable, alternative uses necessary. The sustainable uses of abandoned mines and their features can significantly help to address the socio-economic issues that they present. This Special Issue welcomes manuscripts on work conducted on the sustainable use of abandoned mines or their features. It covers topics such as (i) the characterization and prioritization of abandoned mines for rehabilitation, (ii) repurposing and reusing abandoned mines or features (e.g., mine waste dumps, underground mine workings, abandoned mine infrastructure, surface excavations, etc.), (iii) the selection of the appropriate rehabilitation and post-mining uses for sustainability, and (iv) the estimation of the costs of the rehabilitation and repurposing of abandoned mine sites.





an Open Access Journal by MDPI

## 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), GEOBASE, 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](http://www.mdpi.com)

[mdpi.com/journal/minerals](http://mdpi.com/journal/minerals)  
[minerals@mdpi.com](mailto:minerals@mdpi.com)  
[X@Minerals\\_MDPI/](https://twitter.com/Minerals_MDPI/)