



## Risks Assessment, Management and Control of Mining Contamination, 2nd Edition

Guest Editors:

**Dr. Elizabeth J. Lam Esquenazi**

Chemical Engineering  
Department, Universidad  
Católica del Norte, Antofagasta  
CP 1270709, Chile

**Prof. Dr. Jaume Bech**

Faculty of Biology, Universitat de  
Barcelona, 08001 Barcelona,  
Spain

**Dr. Brian Keith Normabuena**

Department of Computing and  
Systems Engineering,  
Universidad Católica del Norte,  
Antofagasta CP 1270709, Chile

Deadline for manuscript  
submissions:

**6 January 2025**

### Message from the Guest Editors

This Special Issue seeks to publish a diverse collection of themed articles that explore both traditional and cutting-edge approaches to the assessment, management, and control of mining contamination. We welcome submissions that address the following topics, with particular interest in those incorporating Artificial Intelligence (AI), Machine Learning (ML), and Data Analytics:

1. Heavy Metal Contamination;
2. Ecological Risk Assessment of Heavy Metals;
3. Health Risk Assessment of Heavy Metals;
4. Environmental Risk Assessment of Heavy Metals;
5. Assessment of Heavy Metals' Geochemical Distribution;
6. Availability of Heavy Metals;
7. Mine Tailings' Metal Mobility;
8. Abandoned Mine Tailings;
9. Treatment of Acid Mine Drainage;
10. Acid Mine Drainage Metal Removal Mechanisms.





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), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

**Journal Rank:** JCR - Q2 (*Geochemistry and Geophysics*) / CiteScore - Q2 (*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/)