Special Issue

Cemented Mine Waste Backfill: Experiment and Modelling: 2nd Edition

Message from the Guest Editors

Cemented mine waste backfill (CMWR) technology, which is essentially an engineered mix of aggregates (e.g., tailings and waste rock), hydraulic binder, and water, has become a fundamental component of operations in underground mines worldwide. The potential benefits of using CMWR technology include reduced environmental footprint, increased resource recovery, improved underground work environment, and lowered costs of waste rock disposal and land rehabilitation. To promote the development of CMWR technology with desired material properties and engineering performance, a thorough understanding of the behavior of CMWR is crucially needed. This Special Issue offers an opportunity for authors to share their latest experimental and modeling results associated with CMWR technology.

Guest Editors

Dr. Haiqiang Jiang

Dr. Nan Zhou

Dr. Liang Cui

Dr. Xiwei Zhang

Deadline for manuscript submissions

31 August 2025

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/200775

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

mdpi.com/journal/minerals

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/journal/minerals

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

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)

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).

MDPI