

## Special Issue

# Research on Green Mining Technology with Cemented Paste Backfill

### Message from the Guest Editors

Cemented paste backfill (CPB) is an effective practical approach for green mining and the sustainable development of the mining industry because of its advantages of being safe, environmental, economic, and highly efficient. CPB can use solid waste in mines (tailings) to treat the two major hazardous sources (underground goafs and surface tailing ponds caused by mining). To introduce new ideas and achievements in the field of green mining with cemented paste backfill, we sincerely invite you to contribute a paper to the Special Issue "Research on Green Mining Technology with Cemented Paste Backfill" in *Sustainability*. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Tailing thickening;
- Paste pipeline transportation;
- Paste mixing and preparation;
- Comprehensive utilization of solid waste;
- Functional backfill;
- Paste rheology;
- Modification of slag;
- Underground CO<sub>2</sub> storage;
- Environmental impact of CPB.

We look forward to receiving your contributions.

---

### Guest Editors

Prof. Dr. Lang Liu

Dr. Zhuen Ruan

Prof. Dr. Wei Sun

Dr. Qiusong Chen

---

### Deadline for manuscript submissions

closed (30 October 2023)



**Sustainability**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.3**  
**CiteScore 7.7**



[mdpi.com/si/168130](https://mdpi.com/si/168130)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)



## About the Journal

### Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

---

### Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario  
Institute of Technology, Oshawa, ON L1G 0C5, Canada

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1  
(Geography, Planning and Development)