

## Special Issue

# Combined Beneficiation and Metallurgy for Comprehensive Utilization of Metal Mineral Resources

### Message from the Guest Editors

In recent years, many scholars have focused on the key scientific problems of the efficient, clean, and sustainable utilization of strategic metal mineral resources, achieving technological breakthroughs and technological progress through the intersection of mineral processing, metallurgical engineering, and environmental engineering. The research results have effectively promoted the comprehensive utilization level and sustainable development of strategic metal mineral resources. This Special Issue aims to discuss combined beneficiation and metallurgy for the comprehensive utilization of metal mineral resources. We welcome mineral processing, extractive metallurgy, and environmental and recycling studies, both experimental and theoretical, that integrate cross-disciplinary aspects. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Mineral processing;
- Extractive metallurgy;
- Combined beneficiation and metallurgy;
- Comprehensive utilization of resources;
- Waste and recycling.

We look forward to receiving your contributions.

---

### Guest Editors

Dr. Shuai Yuan

Prof. Dr. Peng Gao

Dr. Yongxing Zheng

---

### Deadline for manuscript submissions

closed (30 September 2023)



Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.8



[mdpi.com/si/125901](https://mdpi.com/si/125901)

*Sustainability*  
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 6.8



[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, AGRIS, RePEc, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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