

## Special Issue

# Green Technology for Metallurgy and Secondary Efficient Utilization of Polymetallic Mineral Resources

### Message from the Guest Editors

The green technology for metallurgy cuts down waste production and increases efficiencies in the uses of resources and energy, and secondary efficient utilization of polymetallic mineral resources by applying physical separation methods, chemical methods. Thus, contributions are sought in presenting metallurgical processes to improve sustainability of metal-producing industries, emphasizing on approaches that minimize resource and energy consumption; improve materials recovery, reuse, and recycling. The issue aims to share solutions, novel ideas and technologies in mineral processing and extractive metallurgy to support the transition to a low carbon future.

The Issue welcomes papers addressing the following topics:

Hydrogen metallurgy;  
Biomass or wastes as resources;  
Cleaner production and technical processes;  
Process intensification technology in metal-extraction;  
Utilization technology of low-rank coal in metallurgy;  
Separation and recovery technology of polymetallic or secondary resources;  
Metallurgical pollutants emission reduction and treatment technology;  
Environmental and sustainability assessment;  
New technology of low-carbon metallurgy...

We look forward to your submissions.

---

### Guest Editors

Dr. Lingyun Yi  
Prof. Dr. Baozhong Ma  
Dr. Yilin Wang  
Dr. Jue Tang

---

### Deadline for manuscript submissions

closed (28 November 2023)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/162022](https://mdpi.com/si/162022)

*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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,  
Columbus, OH 43210, USA

---

## 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, CAPlus / SciFinder, and other databases.

### Journal Rank:

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