

## Special Issue

# Comprehensive Recycling of Metallurgical Solid Waste and Mineral Resources

### Message from the Guest Editor

Metallurgy is the basic industry of modern industrial development, providing basic raw materials for the development of most industries. With the rapid development of industry and the sharp increase in resource exploitation around the world, a lot of smelting solid waste is generated. The accumulation of smelting solid waste not only occupies a large area of land but also causes dust and heavy metals to seep into the ground, polluting the environment. Therefore, it is particularly important for the sustainable development of modern industry to carry out research on resource exploitation, smelting and the harmless recycling of solid waste. For this Special Issue, we welcome articles that focus on the exploitation of resources, smelting, and recycling of solid waste. Research on new processes, new theories and new products that can realize the recycling of and reduction in metallurgical solid waste are of particular interest.

### Guest Editor

Dr. Long Meng

Institute of Process Engineering, Chinese Academy of Sciences, Beijing 100190, China

### Deadline for manuscript submissions

closed (31 August 2025)



## Metals

an Open Access Journal  
by MDPI

Impact Factor 2.5  
CiteScore 5.3



[mdpi.com/si/181526](https://mdpi.com/si/181526)

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

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





# Metals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.3



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



## About the Journal

### Message from the Editor-in-Chief

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

---

### Editor-in-Chief

Prof. Dr. Yong Zhang

Beijing Advanced Innovation Center of Materials Genome Engineering,  
State Key Laboratory for Advanced Metals and Materials, University of  
Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083,  
China

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei  
Compendex, CAPus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) /  
CiteScore - Q1 (Metals and Alloys)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 18 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).