

## Special Issue

# Novel Insights into Comprehensive Utilization of Metallurgical Resources

### Message from the Guest Editors

The comprehensive utilization of metallurgical resources has become a crucial strategy in addressing global resource scarcity and environmental challenges. This Special Issue focuses on innovative approaches to maximize the value of metallurgical by-products, waste streams, and secondary raw materials through advanced recycling technologies, material recovery processes, and sustainable extraction methods. We encourage submissions exploring the following topics:

- Innovation processes, tools, and methods relating to metallurgical resource utilization;
- Technical, societal, economic, business, and policy aspects of strategies to improve the sustainability and productivity of resource use ;
- Low-energy extraction techniques;
- Characterization and optimization of recycled materials;
- Digital solutions (e.g., AI) for resource tracking and process control.

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### Guest Editors

Prof. Dr. Juncheng Li

Dr. Chuanming Du

Dr. Shichao Wu

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### Deadline for manuscript submissions

28 February 2026



## Metals

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

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## About the Journal

### Message from the Editorial Board

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.

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### Editors-in-Chief

Prof. Dr. Hugo F. Lopez

Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

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

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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / 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).