

## Special Issue

# Welding and Additive Manufacturing of Metals

### Message from the Guest Editors

Additive manufacturing has grown rapidly in recent years and is emerging as a key technology for the future, enabling the production of complex components across various industries. Welding remains one of the most widely used methods for joining metallic materials. The performance and reliability of metallic parts produced via additive manufacturing and welding depend heavily on process parameters, weldability, microstructure, mechanical properties, and defect control. To enhance quality, reliability, and readiness for industrial application, it is essential to understand, monitor, and optimize these factors. This Special Issue aims to present the latest advancements in welding and additive manufacturing to the readership of *Metals*. Topics of interest include, but are not limited to: advanced material design, microstructural and mechanical characterization, processing–property relationships, computational modeling and simulation, digitalization and Industry 4.0, and sustainability. We welcome original research articles and review papers from scientists, engineers, and industry professionals working in these areas.

---

### Guest Editors

Dr. Javad Karimi  
Dr. Tatevik Minasyan  
Dr. Ramin Rahmani

---

### Deadline for manuscript submissions

31 August 2026



## Metals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.3



[mdpi.com/si/241948](https://mdpi.com/si/241948)

*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 18.7 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).