

Special Issue

Sheet Metal Forming Processes

Message from the Guest Editor

Sheet metal forming is pivotal in the manufacturing of automotive, aerospace, and consumer goods. Recent advances in materials (e.g., advanced high-strength steels, aluminum alloys, composites), digitalization, and sustainability demands necessitate innovative forming strategies. This Special Issue aims to explore cutting-edge research addressing challenges related to process efficiency, material behavior, and eco-friendly production. This Special Issue invites the submission of original research and reviews focused on the following topics of interest:

- Novel forming techniques (e.g., incremental forming, electromagnetic forming, hot forming);
- Material characterization and formability testing;
- Friction, lubrication, and tooling design innovations;
- Modeling and simulation (FE analysis, AI-driven predictions);
- Springback control, fracture prediction, and surface quality;
- Sustainable processes (energy efficiency, recycling, waste reduction);
- Industry 4.0 integration (sensor monitoring, real-time control).

Guest Editor

Dr. Qiang Zhu

School of Materials Science and Engineering, Harbin Institute of Technology, Weihai 264209, China

Deadline for manuscript submissions

31 March 2026



Metals

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



mdpi.com/si/249489

Metals

Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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).