Special Issue

Fusion Welding, 2nd Edition

Message from the Guest Editor

The welding process is still the basic technology for joining conventional and modern construction materials, ensuring high-quality joints. This process is characterized by many specific features associated with the variable temperature field and with variations in a wide range of physical and mechanical properties of the welded material. I invite you to send scientifically valuable articles for a Special Issue entitled “Fusion Welding”. Its scope is very wide and covers virtually all welding technologies, as well as monitoring, diagnostics, and process simulation. I suggest that articles are related to advanced welding methods, unconventional welding solutions or are focused on combining high-strength materials, both steel and nonferrous, as well as nanostructured. Studies on the monitoring of fusion welding processes as well as work on the computer analysis of phenomena occurring in the welded area are also welcome. I believe that the *Metals* journal is a journal where it is worth publishing your research results for dissemination to a wide audience.

Guest Editor

Prof. Dr. Jacek Górka

Welding Department, Faculty of Mechanical Engineering, Silesian University of Technology, Konarskiego Street 18A, 44-100 Gliwice, Poland

Deadline for manuscript submissions

closed (20 May 2025)

Metals

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.3

mdpi.com/si/207709

Metals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metals@mdpi.com

mdpi.com/journal/metals

Metals

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.3

mdpi.com/journal/metals

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.

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

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).

MDPI