Special Issue

Metal Matrix Composites

Message from the Guest Editor

Metal matrix composites are emerging as critical materials in engineering and biomedical applications due to their capability to be tailored in terms of engineering properties. With a history of about four decades, researchers have been able to establish synthesis methods for metal-based composites containing reinforcements in the range from micron-length scale to nano-length scale. Current research in the area of nanocomposites, for example, is perhaps the most intriguing. Similarly, the emergence of magnesium and new alloys have opened new challenges for researchers to advance in the area of metal-based composites. Accordingly, the main aim of this Special Issue is to provide a platform for researchers worldwide to showcase their work in the domains of synthesis, characterization, modelling and applications of metal-based composites.

Guest Editor

Prof. Dr. Manoj Gupta

Department of Mechanical Engineering, National University of Singapore, Singapore 117576, Singapore

Deadline for manuscript submissions

closed (31 December 2017)

Metals

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.3

mdpi.com/si/7601

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