Special Issue

Thermal and Structural Properties of Shape Memory Alloys

Message from the Guest Editors

The aim of this Special Issue is to present the work conducted on different SMAs by considering important variables such as chemical composition, microstructure, and thermal properties. Experts are invited to submit papers related to experimental research, applications, simulation, and modeling of the various aspects of SMAs. In addition, studies on the effect of new processes such as additive manufacturing on the microstructure and SME are also welcome.

Guest Editors

Prof. Dr. Mahmoud Nili Ahmadabadi

School of Metallurgy and Materials Engineering, University of Tehran, Tehran 11155-4563. Iran

Dr. Hamed Shahmir

Department of Materials Engineering, Tarbiat Modares University, Tehran 14115-111, Iran

Deadline for manuscript submissions

closed (29 February 2024)



Metals

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.3



mdpi.com/si/167911

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





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).