

## Special Issue

# Phase Transformations in Metallic Materials

### Message from the Guest Editor

Several metallic materials experience phase transformations during thermo/mechanical treatments, or when in service. These phase transformations can have a reversible or irreversible character and each lead to different properties. Therefore, fundamental understanding of the phase transformation characteristics and mechanisms in advanced materials is a topic of extreme relevance nowadays. With this Special Issue, we invite contributions in the form of original research articles or reviews that address or elucidated on any type of phase transformation in metallic alloys systems. The scope of this Special Issue is not only limited to fundamental research and also welcomes works concerning any application where phase transformations are somehow involved.

---

### Guest Editor

Prof. João Pedro Oliveira

Faculdade de Ciências e Tecnologias, Universidade Nova de Lisboa,  
2829-516 Caparica, Portugal

---

### Deadline for manuscript submissions

closed (20 July 2020)



## Metals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 4.9



[mdpi.com/si/19964](https://mdpi.com/si/19964)

*Metals*

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 2.6  
CiteScore 4.9



[mdpi.com/journal/  
metals](https://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, CAPIus / 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 16.5 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 2024).