# **Special Issue**

# Metal Foams 2023

## Message from the Guest Editor

Porosity within materials was once considered a source of weakness, especially with regards to mechanical behaviors. However, foams exhibit exceptional properties such as lower weight, high energy absorbing capacity, high strength-to-density ratio, and high damping capacity. Porous metals and metal foams are considered some of the most versatile lightweight materials in the world due to their wide range of commercial applications, structural and aerospace industry potential, implants and tissue engineering, etc. We are assembling a Special Issue for *Metals* focusing on all aspects of porous metals and metal foams from modeling to manufacturing, testing, and application. I would like to invite you to contribute a research paper, review article, or communication paper for peer review and possible publication in this Special Issue. We look forward to your contributions.

#### **Guest Editor**

Prof. Dr. Afsaneh Rabiei

Advanced Materials Research Lab, Department of Mechanical and Aerospace Engineering, North Carolina State University, Raleigh, NC 27695 USA

### Deadline for manuscript submissions

closed (30 April 2024)



# Metals

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.3



### mdpi.com/si/175721

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 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, 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).

