# **Special Issue**

# Laser Additive Manufacturing of Metallic Alloys

Message from the Guest Editor

Metal laser additive manufacturing (MLAM), an advanced manufacturing technology utilized since the 1990s, involves the layer-by-layer deposition of metallic materials in order to build up a three-dimensional object using a digital model under laser without the need for molds. The benefits of MLAM include its ability to create highly complex, customized metal parts with unprecedented design freedom, and its potential to streamline production processes by consolidating multiple components into a single print. Due to its ability to offer material innovation and multifunctional designs, MLAM is becoming more and more popular among researchers. It is therefore being employed extensively in the aerospace, automotive, medical, energy sectors and other industries.

We are pleased to invite you to contribute to our Special Issue with your pioneering research, innovative viewpoints and thought-provoking reviews. Your expertise and contributions have profoundly influenced the advancement of metal additive manufacturing. Consequently, we look forward to presenting your recent achievements to our extensive international academics, researchers, engineers, and industry leaders.

# **Guest Editor**

Dr. Qiuge Li

State Key Laboratory of Solidification Processing, Northwestern Polytechnical University, Xi'an 710072, China

#### Deadline for manuscript submissions

31 May 2026



# Metals

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.3



mdpi.com/si/216902

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).

