

## Special Issue

# Advances in Manufacturing, Processing and Characterization of Metallic Alloys and Composites

### Message from the Guest Editors

We are pleased to invite you to submit a full-length article for our upcoming Special Issue focused on the latest advancements in additive manufacturing and the processing of metallic alloys, with a particular emphasis on medium- and high-entropy alloys and coatings. This Special Issue aims to highlight research and developments in the fabrication, characterization, and application of medium- and high-entropy alloys and coatings through additive manufacturing techniques. Topics of interest include, but are not limited to:

- Novel manufacturing and processing techniques for metallic alloys and composites, including medium- and high-entropy alloys and coatings.
- Additive manufacturing advancements and enhancements in the mechanical and thermal properties of metallic alloys.
- Progress in the computational modeling of manufacturing processes.
- Industrial applications of these advanced materials in sectors such as aerospace, automotives, and biomedical.
- Sustainable practices and innovations in alloy design and processing.

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### Guest Editors

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### Deadline for manuscript submissions

20 September 2025



## Metals

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## 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.

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### Editors-in-Chief

Prof. Dr. Hugo F. Lopez

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#### 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).