# **Special Issue**

# Processing and Fabrication of Advanced Materials

## Message from the Guest Editors

The current Special Issue focuses on recent advances made in the field of materials and their manufacturing, with the primary purpose being to develop a deep understanding of interdisciplinary developments in all aspects related to the processing and fabrication of advanced materials focusing on metals. This Special Issue aims to provide a collection of the latest advances on aspects related and relevant to materials processing and fabrication from both a research perspective as well as an engineering and industrial and application perspective in the fields of:

- Materials
  - Metals and metal-matrix composites; Coatings; Magnetic materials; Metallic glasses; Materials for wind-power systems; Intermetallic(s); Intermetallicmatrix composites; Nanomaterials and nanocomposites; Functional materials
- Manufacturing technologies
  - Additive manufacturing; Casting; Microwave processing of materials; Powder metallurgy; Machining; Surface treatments
- Materials simulations and characterization
  - Process and microstructure relations; Process and defect formation; Materials properties predictions; Component behavior

### **Guest Editors**

Dr. Caterina Zanella

Prof. Dr. Anders E. W. Jarfors

Prof. Dr. Attila Diószegi

Prof. Dr. Tirumalai S. Srivatsan

## Deadline for manuscript submissions

closed (20 December 2019)



## Metals

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## **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

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#### **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).

