

## Special Issue

# Electron-Beam Technology for High Performance Alloys, Metals and Powders

### Message from the Guest Editors

Dear colleagues, This Special Issue collects papers with the aim to present the state of the art and some of the latest achievements in the field of electron beam process investigation, electron beam process research and development, high-performance alloy, metal, and powder treatment and their material properties, process analyses, application of advanced mathematical methods for modeling and simulation, and integrated and intelligent process control and management. Particularly relevant are papers that investigate and present new technology or application development, implementation of advanced methods or intelligent solutions, present investigations for physical problem technology solutions, and high-performance alloy, metal, and powder presentation after electron beam treatment, as well as the implementation of different approaches for electron beam process modeling and simulation.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2023)



## 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

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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 17.8 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2024).