

Special Issue

Thermodynamics and Kinetics in Metallurgical Processes

Message from the Guest Editors

The Special Issue is focused on the recent progress of thermodynamics and kinetics in metallurgical processes, including theoretical and/or experimental work. We also encourage authors to submit review papers of their team regarding thermodynamics and kinetics. Topics addressed in this Special Issue may include, but are not limited to:

- Raw material preparation
- Ironmaking process
- Steelmaking process
- Refining process
- Casting process
- Non-ferrous Metallurgical process
- Activity and its application
- Physical properties of slag and melts

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2022)



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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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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).