Special Issue

Remelting and Casting of Metals and Alloys

Message from the Guest Editors

Many papers have been published relating to research on remelting processes, but not all of them are available to us online. In this Special Issue on Remelting, we aim to collect the latest work on the subject together in one publication which can be readily accessed. We invite you to participate by submitting your work to this issue. The subject area is restricted to the remelting processes, their ancillary material preparation areas such as vacuum induction melting, and property investigations relating to the processes. We particularly welcome contributions from the industry relating to experience in remelting practice. Remelting technology lies in the boundary between research and industrial application; as such, it is important that we use this readily accessible source to combine ideas from both aspects. We look forward to receiving your contribution and to the publication of a much-needed collection of work in this field.

Guest Editors

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Deadline for manuscript submissions

closed (18 January 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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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).

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