

## Special Issue

# Editorial Board Members' Collection Series: Metal Casting, Forming and Heat Treatment

### Message from the Guest Editors

The advanced processes of metal casting, forming, and heat treatment are instrumental in shaping metallic materials to achieve specific properties and configurations. This special issue is dedicated to advancing the understanding of these critical processes through cutting-edge research. Metal casting is a fundamental manufacturing process used to produce near-net-shape parts. Metal forming is a sophisticated process that involves creating high-quality, cost-effective products with superior mechanical properties and innovative design. The process of heat treatment brings significant changes in the characteristics of metallic materials by modifying their internal structure. This results in improved mechanical and physicochemical properties. This special issue invites researchers and professionals to submit their latest findings and innovations in metal casting, forming, and heat treatment. Contributions should aim to advance the understanding and application of these processes, ultimately improving material performance and manufacturing efficiency.

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### Guest Editors

Dr. Hélder Puga

Prof. Dr. Rongshan Qin

Dr. Oleg Mishin

Dr. Heinz-Günter Brokmeier

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### Deadline for manuscript submissions

closed (30 September 2025)



## 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.

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### Editor-in-Chief

Prof. Dr. Yong Zhang

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JCR - Q2 (Metallurgy and Metallurgical Engineering) /  
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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.7 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 2025).