

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.

Guest Editors

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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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