# **Special Issue**

# Powder Metallurgy of Metals and Composites

# Message from the Guest Editor

Powder metallurgy (PM) encompasses a series of processes used to reduce the need for subtractive processes in manufacturing, lowering material losses and reducing the cost of the final product. Its ability to control microstructures and improve mechanical properties has attracted worldwide attention in the development of high-performance materials in strategic fields such as the aerospace, automotive, and biomedical industries. The integration of composite materials into PM enhances material capabilities, allowing for lightweight-strength components with tailored properties. This Special Issue invites contributions focusing on the latest developments in PM, including review papers, alloy and composite preparations, microstructure-property relationships. and sintering methods. We aim to foster collaboration among researchers and industry professionals to explore new frontiers in PM technology for material preparation. Your insights and innovations will contribute to advancing this dynamic field and unlocking its potential for future technologies. Join us in consolidating the future of materials science.

#### **Guest Editor**

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## Deadline for manuscript submissions

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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.

#### Editor-in-Chief

## Prof. Dr. Yong Zhang

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# **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).

