Special Issue

Recent Advances in Powder Metallurgy

Message from the Guest Editor

Powder metallurgy continues to play a pivotal role in the development of advanced materials and manufacturing technologies, enabling innovations in fields such as aerospace, biomedical engineering, the automotive industry, and additive manufacturing. This Special Issue, titled “Recent Advances in Power Metallurgy”, aims to highlight cutting-edge research and developments across all facets of powder metallurgy, including but not limited to novel powder production techniques, alloy design, sintering processes, the mechanical properties of PM materials, and applications of metal powders. We invite researchers, scientists, and industry professionals to submit original scientific manuscripts. We particularly welcome contributions that explore sustainable practices, performance optimization, microstructure–property relationships, and computational modeling approaches that drive advancement in this rapidly evolving field.

- metal powders
- powder manufacturing
- powder properties
- powder rheology
- sintering
- sinter hardening
- microstructures
- physical properties

Guest Editor

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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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