



Powder Metallurgy of Steels and Alloys

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Deadline for manuscript
submissions:

closed (30 November 2021)

Message from the Guest Editor

The high-precision forming capability of powder metallurgy generates components with near net shape and complex features, and pieces with good dimensional precision are often finished without the need of machining. PM process enables manufacturers to make products that are more consistent and predictable in their behaviour across a wide range of applications. In addition, the PM process has a high degree of flexibility, allowing the tailoring of the physical characteristics of a product to suit specific property and performance requirements.

The purpose of this Special Issue is to highlight the latest developments in the shaping of sintered materials. Researchers are invited to present all their original scientific and technical papers with a theoretical and experimental character on a wide range of materials and processes, including classical “press-and-sinter” powder metallurgy as well as other innovative shaping methods such as metal injection molding, hot isostatic pressing, metal additive manufacturing, mechanical alloying, and spark plasma sintering.





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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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Journal Rank: JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Metals and Alloys)

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