



an Open Access Journal by MDPI

Powder Metallurgy of Steels and Alloys

Guest Editor:

Prof. Dr. Jan Kazior

Department of Powder Metallurgy, Faculty of Materials Engineering and Physics, Cracow University of Technology, 24 Warszawska str., 31-155 Cracow, Poland

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.









an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Hugo F. Lopez

Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

Prof. Dr. Yong Zhang

Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

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 metallurgical field the 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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions. **High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases. **Journal Rank:** JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q1 (*Metals and Alloys*)

Contact Us

Metals Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/metals metals@mdpi.com X@Metals_MDPI