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

Dr. Ivanovich Estrada-Guel
Centro de Investigación en Materiales Avanzados, Avenida Miguel de Cervantes Saavedra 120, Chihuahua 31136, Mexico

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Metals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metals@mdpi.com

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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.

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

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