

Special Issue

Structure and Properties of Biomedical Alloys

Message from the Guest Editors

For this Special Issue, we welcome articles that focus on material preparation methods and their influence on the performance of final products, in both the powder stage and compaction domain. Fully controllable, fast, and low-cost processes are also of interest, specifically those with high implementation potential in advanced powder technologies that allow production of high-performance products. Of particular interest are contributions dealing with the structure and properties of biomedical alloys, including processing–microstructure–performance relationships, corrosion and wear behavior, mechanical and biological performance, design of porous or architected structures, and surface or interface modifications. Submissions addressing emerging alloy systems, innovative characterization approaches, and structure-driven strategies to improve clinical functionality are especially encouraged.

Guest Editors

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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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