

Special Issue

Metals and Alloys for Biomedical Applications (2nd Edition)

Message from the Guest Editors

Metallic biomaterials are employed extensively in the orthopedics, dental, and cardiac fields, with standard surgical implant materials including stainless steels, CoCr alloys, and titanium (Ti) alloys. These metallic biomaterials show a good combination of corrosion resistance, biocompatibility, and mechanical properties. However, the basic functions of these materials, such as supporting, fixation, and protecting, remain very simple; in addition, their lack of bio-functions limits their further application. Therefore, the development of metallic biomaterials should not only focus on the improvement of mechanical behavior, but also aim to functionalize them and enhance their bioactivity. It is our great pleasure to invite you to submit a manuscript to this Special Issue, which focuses on the design, fabrication, functionalization, and application of metallic biomaterials. We welcome the submission of full papers, communications, and reviews.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials (JFB)* is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

Editor-in-Chief

Prof. Dr. Pankaj Vadgama
School of Engineering and Materials Science, Queen Mary University of London, London, UK

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