

Special Issue

Medical Application of Functional Biomaterials (3rd Edition)

Message from the Guest Editors

The field of functional biomaterials continues to rapidly expand in pace with strong technological innovations and increasing demands. This Special Issue aims to present the state-of-the-art research on functional and bioactive biomaterials with applications in medicine. Topics of interest include, but are not limited to, biomaterial-immune system interactions, advances in implantable and bioresorbable devices, natural and synthetic biomaterials, nanostructured systems, and materials for tissue regeneration, drug delivery, imaging, and antimicrobial applications. Studies on surface modification, biofunctionalization strategies, additive manufacturing, and emerging fabrication technologies are also welcome. By bringing together original research articles, reviews, and communications from experts working with innovative biomaterials in all relevant fields, this Special Issue seeks to provide a comprehensive and clinically relevant overview of current advances and future directions in medical biomaterials.

Guest Editors

Dr. Cristian Scheau
Prof. Dr. Andreea Cristiana Didilescu
Prof. Dr. Constantin Caruntu

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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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