

Special Issue

Medical Application of Functional Biomaterials

Message from the Guest Editors

The research field of functional biomaterials is evolving rapidly, as emerging technological discoveries and innovations are considered for, and often translated to, medical applications. In order to be considered for use in humans, any biomaterial needs to be proven safe, and when medical devices are made up of multiple materials, demonstrating the implant's biocompatibility can be a very difficult task. Therefore, an appropriate method to assess the safety and tolerance of an implant made up of one or several biomaterials is to measure the host's immune response. This Special Issue will host papers related to recent developments in the field of medical applications of functional biomaterials. Topics will include but not be limited to: biocompatibility; immune response in medical implants; advances in dental implant biomaterials; applications of nanoparticles; natural materials with medical applications, [...] For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/jfb/special_issues/madical_biomaterials

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
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