Special Issue

Active Biomedical Materials and Their Applications

Message from the Guest Editor

Active biomedical materials are designed to interact with biological systems for therapeutics. These materials have various applications such as tissue regeneration and repair, controlled drug delivery and antimicrobial agents. Synthetic or natural active biomedical materials such as metals, ceramics, composites and polymers are used for these purposes. The synthesis and fabrication of active biomedical materials require the use of different methods and technologies. The Special Issue will focus on but is not limited to:

- Synthesis and characterization of biomedical materials;
- Biomedical materials for tissue regeneration and repair;
- Biomedical materials with antimicrobial properties;
- Biomedical materials for dental and medical applications;

We aim to publish about current and new active biomedical materials used for healthcare applications. It is our pleasure to invite you to submit a manuscript (full research papers, communications, review articles) for this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2024)

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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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