

Special Issue

Biomaterials for Drug Release and Tissue Engineering

Message from the Guest Editors

Biomaterials are a class of materials classified by their biologically benign properties. For this reason, they are often utilized as materials or coatings for implants such as STENTs or other biomedical devices. Due to the wide variety of biomaterials, which range from titanium to polymers such as polylactic acid, the applications differ vastly. Hydrophobic biomaterials such as polylactic acid are utilized for drug encapsulation, as well as self-removing implants, while metallic biomaterials are often utilized as frameworks. For this Special Issue, we invite manuscripts which encompass a wide range of biomaterial topics, including (but not limited to):

- Clinical utilization of biomaterials;
- Antibacterial properties of biomaterials;
- STENTs;
- Cell colonization and proliferation on biomaterials;
- Drug encapsulation, delivery and release within biomaterials;
- Biocompatibility;
- Implants;
- Biomaterials as diagnostic tools, contrast agents, imaging;
- Clinical trials and case reports of biomaterials.

We look forward to your valuable contributions.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2023)



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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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