Special Issue

Functional Scaffolds for Hard Tissue Engineering and Surgery

Message from the Guest Editors

This Special Issue aims to exhibit and discuss the latest advancements in functional scaffolds for hard tissue engineering and surgery, including design strategies, new biomaterials, fabrication methods, biological functionalization, and preclinical or translational studies that link scaffold parameters to functional outcomes under clinically relevant mechanical and biological conditions. It is our pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are welcome. Potential topics include, but are not limited to, the following:

- Approaches to functionalize scaffolds for biological activity;
- Development and characterization of functional scaffolds for hard tissue engineering and surgery;
- New biomaterials and bioactive factors for hard-tissue repair;
- Fabrication methods (conventional and additive) and design workflows;
- Infection control and controlled drug delivery from scaffolds;
- In vitro and in vivo validation of functional scaffolds.

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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