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

Prof. Dr. Ryszard Uklejewski

Dr. Mariusz Winiecki

Dr. Mikołaj Dąbrowski

Deadline for manuscript submissions

20 March 2026



Journal of Functional Biomaterials

an Open Access Journal by MDPI

Impact Factor 5.2 CiteScore 6.8 Indexed in PubMed



mdpi.co<u>m/si/254998</u>

Journal of Functional Biomaterials Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 jfb@mdpi.com

mdpi.com/journal/

jfb





Journal of Functional Biomaterials

an Open Access Journal by MDPI

Impact Factor 5.2 CiteScore 6.8 Indexed in PubMed





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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Biomedical) / CiteScore - Q2 (Biomedical Engineering)

