

## Special Issue

# Biomaterials in Regenerative Medicine: Design, Functionality, and Biomedical Potential

### Message from the Guest Editors

Key areas of interest include but are not limited to (i) novel design strategies for biomaterials (e.g., alloys; ceramics; polymers; hydrogels; and composites) with tunable mechano-chemical and biological characteristics; (ii) surface functionalization strategies for improved biocompatibility and cell behavior guidance; (iii) smart or stimuli-responsive biomaterials capable of interacting with the biological environment; (iv) biomaterials as delivery systems; and (v) in vitro and in vivo studies on biomaterials focusing on immune modulation, regenerative potential, and applications in cancer therapy.

---

### Guest Editors

Dr. Valentina Mitran

Dr. Andreea-Mariana Negrescu

Dr. Valentina Dinca

Prof. Dr. Anișoara Cîmpean

---

### Deadline for manuscript submissions

31 May 2026



## Journal of Functional Biomaterials

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.2  
CiteScore 6.8  
Indexed in PubMed



[mdpi.com/si/261588](https://mdpi.com/si/261588)

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

[mdpi.com/journal/](https://mdpi.com/journal/)

[jfb](#)





# Journal of Functional Biomaterials

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.2  
CiteScore 6.8  
Indexed in PubMed



[mdpi.com/journal/](https://mdpi.com/journal/)

[jfb](https://mdpi.com/journal/)



## 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

---

### 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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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