

## Special Issue

# Biomaterials in Tissue, Biomedical and Surface Engineering

### Message from the Guest Editors

Over the last few decades, advancements in materials science and engineering, materials chemistry and physics, and nanotechnology have demonstrated great capabilities in developing novel and advanced biomaterials with desired structural, functional, and biological properties. Some of these biomaterials possess interesting structural features such as hydrophilicity/hydrophobicity, high mechanical strength, stiffness, unique textures, optical transparency, biodegradability, non-toxicity, and biocompatibility, as well as antimicrobial, antiviral, antioxidant, anti-inflammatory, and anticancer activities. These materials are applied in the form of scaffolds, gels, sheets, films, membrane, pellets, filaments, fibres, tubes, capsules, sponges, and others for various biomedical applications such as tissue engineering, wound dressing, drug delivery, bioink for 3D printing, biosensors, and others. This Special Issue aims to present articles (research articles, mini- and full-length reviews, and communications) covering the fabrication techniques, functionalization, and biomedical applications of various biomaterials on.

### Guest Editors

Dr. Muhammad Wajid Ullah

Prof. Dr. Guang Yang

Dr. Sehrish Manan

### Deadline for manuscript submissions

closed (20 April 2023)



## Journal of Functional Biomaterials

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.2  
CiteScore 6.8  
Indexed in PubMed



[mdpi.com/si/106785](https://mdpi.com/si/106785)

*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](https://jfb.mdpi.com)





# 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)

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



## 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)