

Special Issue

Advances in Multifunctional Hydrogels for Biomedical Application

Message from the Guest Editor

This special issue "Advances in Multifunctional Hydrogels for Biomedical Application" will introduce the preparation, characterization and application of multifunctional hydrogels in biomedical field. In this issue, we will discuss the latest research progress on multifunctional hydrogels, including new synthesis and cross-linking methods, characterization methods and biomedical applications. Although multifunctional hydrogels have made important advances in drug/unit delivery, tissue engineering and tissue repair, research advances in applications and multifunctional hydrogels in the biomedical field require interdisciplinary efforts to achieve a more detailed understanding of defining structural interrelationships, properties and applications of multifunctional hydrogels. The realization of the above goals will greatly promote the personalized and customized development of multifunctional hydrogels, and promote its application in the treatment of various diseases.

Guest Editor

Dr. Cheng Hu

National Engineering Research Center for Biomaterials, Sichuan University, Chengdu 610064, China

Deadline for manuscript submissions

closed (28 February 2025)



Journal of Functional Biomaterials

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 4.6
Indexed in PubMed



mdpi.com/si/149568

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

mdpi.com/journal/

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





Journal of Functional Biomaterials

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 4.6
Indexed in PubMed



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, Inspec, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

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