

Special Issue

Biomaterials Applications in Bone and Wound Repair

Message from the Guest Editors

The ability to regenerate damaged tissues has attracted an increasing number of researchers. Although tissue engineering has been widely recommended in the field of regeneration, several limitations remain, such as poor biocompatibility or inevitable immune reaction to the host. Recently, cell or nano-scaled secretions (i.e., exosomes)-encapsulated biomaterials have been found to have increasing regenerative potential in several tissues, in which hydrogels have been proven to be the most economical and accessible material. In this Topic, original research articles and reviews are welcome. Research areas may include (but are not limited to) recent advances in biomaterials and the application of biomaterials to promote wound or fracture healing. We look forward to receiving your contributions.

Guest Editors

Prof. Dr. Guohui Liu

Department of Orthopedics, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China

Prof. Dr. Bobin Mi

Department of Orthopedics, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China

Deadline for manuscript submissions

closed (28 February 2023)



Journal of Functional Biomaterials

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/134296

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



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)