Special Issue

Peptide Biomaterials for Biomedical Applications

Message from the Guest Editors

Peptide biomaterials hold great potential for a wide range of biomedical applications due to their unique physicochemical and biological properties. Peptides have not only been used as therapeutic and/or diagnostic agents but have also been used as a versatile toolkit to construct and functionalize biomaterials, including, but not limited to, applications in drug delivery, tissue engineering and regeneration, biological interactions, and molecular/cellular biology, offering promising solutions and applicability to address various biomedical challenges. In this Special Issue, we aim to curate and highlight the most recent advancements and developments in peptide-based biomaterials for biomedical applications. We warmly invite manuscripts from researchers worldwide to contribute their original research and review articles to this Special Issue. By harnessing the unique properties of peptides, we aspire to discover innovative solutions and foster beneficial outcomes for unmet biomedical needs.

Guest Editors

Dr. Xinquan Liu

Biotherapeutics, Hansoh Bio, 9600 Medical Center Dr, Second Floor, Rockville, Maryland 20850, USA.

Prof. Dr. Kai Yang

Center for Soft Condensed Matter Physics and Interdisciplinary Research, School of Physical Science and Technology, Soochow University, Suzhou, China

Deadline for manuscript submissions

closed (30 June 2025)

Journal of Functional Biomaterials

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/206980

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

MDPI

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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