

Special Issue

Biopolymers for Drug Delivery Applications

Message from the Guest Editors

The growing interest in utilizing biopolymers for developing drug delivery systems stems from their notable and multifaceted advantages, setting them apart from conventional polymers. Biopolymers offer a plethora of benefits, including biodegradability, biocompatibility, renewability, affordability, and widespread availability, all of which are crucial for creating materials applicable in the biomedical realm. The primary aim of this Special Issue, on “Biopolymers for Drug Delivery Applications”, is to compile recent discoveries and advancements in biopolymers for drug delivery purposes. It welcomes contributions in the form of original research or review articles, encompassing a wide spectrum of biopolymer research. Topics of interest include, but are not limited to, the chemical modifications of biopolymers; their synthesis, characterization, and application; preparations of targeted biopolymer-based drug delivery; the delivery of biomaterials; and novel drug delivery strategies aimed at enhancing the adaptability and safety of biopolymers.

Guest Editors

Dr. Yogesh Baburao Sutar

College of Pharmacy, University of Arizona, Tucson, AZ, USA

Prof. Dr. Piotr Kurcok

Centre of Polymer and Carbon Materials, Polish Academy of Sciences,
M. Curie-Skłodowskiej 34, 41-819 Zabrze, Poland

Deadline for manuscript submissions

closed (15 May 2025)



Journal of Functional Biomaterials

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/200759

*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](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)