Special Issue

Advanced Biodegradable Biomaterials

Message from the Guest Editors

With the development of material technologies, metal-based, polymer-based, and ceramic-based biomaterials are developing continuously. Many new biodegradable materials have been developed with prospective application potential in recent years. This Special Issue invites those working on research and application of biodegradable biomaterials to contribute their research achievements or reviews on new biodegradable biomaterials in order to promote people to better understand and be involved in these studies. The topics of interest include (but are not limited to): Additively manufactured biodegradable biomaterials
Multifunctional biomaterials
New biodegradable biomaterials for application in medicine and biology
Advanced production techniques for biodegradable biomaterials
Mechanical properties of metallic biomaterials
Antimicrobial and infection-resistant implants and biomaterials
Biomaterial–tissue interfaces
Coatings and surface treatments of biodegradable biomaterials
Biodegradable metallic biomaterials including magnesium, zinc, iron, and their alloys
New areas of application for biodegradable biomaterials
Surface patterning of biodegradable biomaterials

Guest Editors

Dr. Junxiu Chen
School of Materials Science and Engineering, Changzhou University, Changzhou, China

Prof. Dr. Mingchun Zhao
School of Materials Science and Engineering, Central South University, Changsha, China

Deadline for manuscript submissions

closed (29 February 2024)

Journal of Functional Biomaterials

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/145068

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)