Special Issue

Bioinspired Materials for Medical and Biotechnological Applications

Message from the Guest Editors

Nature is a practically inexhaustible source of inspiration for the design of synthetic materials. Hence, “bio-inspired materials” is a practically limitless field. In this Special Issue, we will focus on applications in medicine and biotechnology, where materials interact with biological systems, tissues, cells, and microorganisms to invoke the required response in a specific application. For example, we usually do not need microorganism growth in medicine, but we often need it in biotechnology. Characteristics of bio-inspired materials which are relevant for their performance may include, but are not limited to, topographical, chemical, mechanical, and electrical properties. Due to the wide scope of bio-inspired materials, contributions relating to biomaterials, tissue engineering, and biomimetics are also welcome.
Prof. Dr. Elzbieta Pamula
Dr. Timothy E.L. Douglas

Guest Editors

Dr. John G. Hardy

Prof. Dr. Elżbieta Pamuła

Dr. Timothy Douglas

Dr. Marloes Peeters

Deadline for manuscript submissions

closed (31 August 2022)

Journal of Functional Biomaterials

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/64869

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)