



Advances in Metallic Biomaterials

Guest Editors:

Dr. Bingbing Li

Dr. Himansu Sekhar Nanda

Prof. Dr. Geetha Manivasagam

Dr. Sushma Kumari

Deadline for manuscript
submissions:

closed (1 May 2023)

Message from the Guest Editors

Dear Colleagues,

Metallic biomaterials are the first types of biomaterials and have a long history of clinical use. This Special Issue aims to highlight the advances and progress in metallic biomaterials and related manufacturing technologies for translational bioengineering applications.

The topics of interest include (but are not limited to): 1. Emerging metals and metal alloys for biomedical engineering; 2. novel production technologies for metallic biomaterials including additive manufacturing and other low-cost manufacturing technologies; 3. mechanical aspects of metallic biomaterials and metallic-biomaterials-based implants; 4. coatings or surface engineering to develop or enhance tribocorrosion resistance, osseointegration, anti-thrombotic, and infection-resistant metallic biomaterials and implants (porous scaffolds and stents); 5. biodegradable and bioresorbable metallic biomaterials for clinical applications; 6. tribocorrosion behavior of biomaterials; 7. immune-modulating metallic biomaterials; 8. drug-eluting smart biomaterials; and 9. AI in implant development. We are also interested in any other aspects of metallic biomaterials that are not listed above.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical
Engineering, Texas A&M
University, College Station, TX
77843, USA

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

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, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Biomedical*)

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 3.1 days (median values for papers published in this journal in the first half of 2024).

Contact Us

Bioengineering Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/bioengineering
bioengineering@mdpi.com
X@Bioeng_MDPI