Special Issue

Intelligent Computer-Aided Designs for Biomedical Applications

Message from the Guest Editors

With the rapid development of technology, computer-aided diagnosis (CAD) has made significant advances in recent years. This technology performs clinical diagnoses and provides treatment recommendations. To increase the effectiveness of treatments, reduce the risk of false diagnoses, select appropriate courses of treatment, and predict the outcomes of many clinical scenarios, modern health research must take on the challenge of acquiring, analyzing, and applying vast amounts of biomedical data (such as signal data, image data, etc.). This Special Issue is intended to serve as a platform for the publication of articles that address significant issues related to both theoretical and practical CAD in biomedical applications.

Guest Editors

Dr. Siuly Siuly

Dr. Enamul Kabir

Dr. Smith Kashiram Khare

Dr. Muhammad Tariq Sadiq

Deadline for manuscript submissions

closed (25 January 2025)



Bioengineering

an Open Access Journal by MDPI

Impact Factor 3.7 CiteScore 5.3 Indexed in PubMed



mdpi.com/si/152653

Bioengineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
bioengineering@mdpi.com

mdpi.com/journal/bioengineering





Bioengineering

an Open Access Journal by MDPI

Impact Factor 3.7 CiteScore 5.3 Indexed in PubMed



About the Journal

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.

Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie Department of Biomedical Engineering, Texas A&M University, College Station, TX 77843, USA

Author Benefits

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 19.2 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the first half of 2025).

Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.

