

## Special Issue

# Biomechanics and Motion Analysis

### Message from the Guest Editors

Research in the field of biomechanics and motion analysis has seen rapid growth in recent years. Conducting biomechanical and motion analyses can build on our knowledge and understanding regarding normal human posture and locomotion, pathological movement, physical disorders, as well as facilitate the development of targeted sport and rehabilitation approaches, etc. With the recent advancements in technology, it is also feasible for researchers to apply a number of state-of-the-art systems, devices, and algorithms with which to study biomechanics and motion from bench experiments to clinical applications. This Special Issue will focus on recent research and developments in biomechanics and motion analysis. The journal will be accepting contributions (both original articles and reviews) that mainly focus on the following topics:

- Upper/Lower-limb biomechanics;
- Spinal biomechanics;
- Motion capture and analysis;
- ergonomics;
- Computational orthopedics;
- Rehabilitation engineering;
- Balance and gait control;
- Artificial intelligence (AI) in biomechanics;
- Wearable devices for biomechanical analysis.

### Guest Editors

Dr. Christina Zong-Hao Ma

Department of Biomedical Engineering, The Hong Kong Polytechnic University, Hong Kong, China

Dr. Hong Fu

Department of Mathematics and Information Technology, The Education University of Hong Kong, Hong Kong, China

### Deadline for manuscript submissions

31 October 2025



## Bioengineering

an Open Access Journal  
by MDPI

Impact Factor 3.7  
CiteScore 5.3  
Indexed in PubMed



[mdpi.com/si/199699](https://mdpi.com/si/199699)

*Bioengineering*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[bioengineering@mdpi.com](mailto:bioengineering@mdpi.com)

[mdpi.com/journal/  
bioengineering](https://mdpi.com/journal/bioengineering)





## Bioengineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.7  
CiteScore 5.3  
Indexed in PubMed



[mdpi.com/journal/  
bioengineering](https://mdpi.com/journal/bioengineering)



## 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, CAPIus / 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.