

# Special Issue

## Biomechanics of Human Motion

### Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to bring together innovative research that addresses the complexities of human movement, focusing on musculoskeletal dynamics, movement analysis, and computational modeling. By exploring the underlying principles and applications of human motion, we aim to improve athletic performance, enhance injury prevention strategies, and support the development of assistive technologies such as prosthetics and exoskeletons.

Contributions to this Special Issue will cover a wide range of topics, including biomechanical modeling, motion capture methods, computational simulations, and the application of these techniques in clinical and sports environments. Research on gait analysis, musculoskeletal simulations, and wearable biomechanics sensors will also be highlighted. The goal of this Special Issue is to foster interdisciplinary collaboration and showcase the latest advancements in the Biomechanics of Human Motion.

We invite researchers, clinicians, and engineers from biomechanics, biomedical engineering, sports medicine, and related fields to contribute to this Special Issue.

### Guest Editors

Dr. Meizi Wang

Dr. Xiaoling Hu

Department of Biomedical Engineering (BME), Hong Kong Polytechnic University, Hong Kong, China

Guest Editor Assistant

Dr. Lucia Donno



*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)





# 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. 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**

### **Open Access:**

unlimited and free access for readers.

### **High Visibility:**

indexed within [Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, Inspec, and other databases]

### **Journal Rank:**

JCR - Q2 (Engineering, Biomedical) / CiteScore - Q2 (Bioengineering)