

## 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.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 October 2025)



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## 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.

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### Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

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