



an Open Access Journal by MDPI

## Dynamic Insights: Unveiling the Biomechanics of Sport Through Motion Analysis

Guest Editors:

**Dr. Ukadike Chris Ugbolue**

School of Health and Life Sciences, University of the West of Scotland, South Lanarkshire G72 0LH, Scotland, UK

**Dr. Sang-Hoon Yeo**

School of Sport, Exercise and Rehabilitation Sciences, University of Birmingham, Birmingham B15 2TT, UK

Deadline for manuscript submissions:

**closed (31 January 2026)**

### Message from the Guest Editors

You are invited to contribute a research article or a comprehensive review for the Special Issue entitled "Dynamic Insights: Unveiling the Biomechanics of Sport through Motion Analysis," located in the Biomechanics and Sports Medicine Section of the MDPI journal Bioengineering.

The biomechanical analysis of motion in sports is of paramount importance to stakeholders in the field. The resulting improvements in performance and athlete development serve as strong, measurable indicators of the outcomes achievable with sports motion analysis. The analysis of human movement will be a key element of successful submissions. We hope to include motion assessments of sport-related activities, such as sports rehabilitation and injury prevention. We also welcome applications of novel biomechanical approaches, including techniques and technologies such as video analysis, 3D motion capture systems, wearable technologies, infrared imaging, and medical imaging.



[mdpi.com/si/197920](https://mdpi.com/si/197920)

# Special Issue



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)

## Contact Us

---

*Bioengineering* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/bioengineering](http://mdpi.com/journal/bioengineering)  
[bioengineering@mdpi.com](mailto:bioengineering@mdpi.com)  
[X@Bioeng\\_MDPI](https://twitter.com/Bioeng_MDPI)