

## Special Issue

# Biomechanical Analysis for Sport Performance

### Message from the Guest Editors

Biomechanics plays a pivotal role in sports science, offering essential insights into movement efficiency, injury prevention, and performance enhancement. Through biomechanical analysis, we can develop evidence-based strategies to optimize athletic performance across all levels of sport. This Special Issue aims to highlight innovative research in the field of biomechanical analysis in sports performance.

Our goal is to provide athletes and coaches with a deeper understanding of the biomechanical factors that influence performance while fostering the development of innovative assessment methodologies. We invite submissions focused on biomechanics as the primary area of investigation, including (but not limited to) technical assessment, competition analysis, injury prevention, and long-term athlete development. Studies may also incorporate complementary domains such as physiology or anthropometry, provided biomechanics remains the central theme.

We look forward to receiving your contributions and collaborating to expand the frontiers of sports science.

---

### Guest Editors

Dr. Jesús Juan Ruiz Navarro  
Dr. Catarina Costa Santos  
Dr. Carla B. McCabe

---

### Deadline for manuscript submissions

20 June 2026



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/236331](https://mdpi.com/si/236331)

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

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

[appls](https://appls.mdpi.com)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### 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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )