

## Special Issue

# Advances in Sport Injuries

### Message from the Guest Editors

Despite the substantial positive effect of physical activities for a healthy lifestyle, sport injuries are one of the most common type of injuries, not only in athletes but also in normal healthy populations. Sport biomechanics is an essential science for avoiding sport injuries through developing a fundamental understanding of musculoskeletal system in sport movements, as well as the interactions between athletes, sport equipment, and other objects. This knowledge is essential for sport equipment designers to develop better products, as well as for athletic trainers to improve their trainees' performance. As such, this Special Issue focuses on biomechanical research in sport, gait analysis in sport, stress on musculoskeletal system during sport activities, and sport equipment design.

### Guest Editors

Dr. Shaghayegh Bagheri

Department of Mechanical Engineering, George Mason University,  
4400 University Dr, Fairfax, VA 22030, USA

Prof. Dr. Francois Prince

Department of Surgery, Faculty of Medicine, University of Montreal,  
International Institute of Biomechanics and Surgical Ergonomics,  
Montreal, QC H3C 3J7, Canada

### Deadline for manuscript submissions

closed (25 April 2025)



## Biomechanics

an Open Access Journal  
by MDPI

Impact Factor 1.4  
CiteScore 2.4



[mdpi.com/si/136404](https://mdpi.com/si/136404)

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

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





# Biomechanics

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.4  
CiteScore 2.4



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



## About the Journal

### Message from the Editor-in-Chief

*Biomechanics* (ISSN 2673-7078) is an international, peer-reviewed, and open access journal devoted to the fast publication of the latest achievements of scientific research in the area of biomechanics. Both experimental and theoretical papers are published. We hope that the submission guidelines and submission template will assist you in your submission of your research to this journal, and that you will enjoy reading the articles in *Biomechanics*.

---

### Editor-in-Chief

Prof. Dr. Tibor Hortobágyi

1. Research Professor, Department of Kinesiology, Hungarian University of Sports Science, 1123 Budapest, Hungary
2. Research Professor, Institute of Sport Sciences and Physical Education, Faculty of Sciences, University of Pécs, 7624 Pécs, Hungary
3. Professor Emeritus of Movement and Healthy Ageing, Department of Human Movement Sciences, University Medical Center Groningen, 9700 Groningen, The Netherlands

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO, and other databases.

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 23 days after submission; acceptance to publication is undertaken in 7.7 days (median values for papers published in this journal in the first half of 2025).