Special Issue

Gait and Balance Control in Typical and Special Individuals

Message from the Guest Editor

Research on gait and balance control has evolved rapidly in recent years. By employing biomechanical techniques for scientific investigation, the knowledge related to this subject has been advanced in different relevant aspects. This observation applies not only to typical people but also to several special groups of people of particular interest within this theme, such as older adults, athletes or individuals suffering from Parkinson's disease, cerebral stroke or cerebral palsy, to mention some examples. For this Special Issue of Neuromechanics, we invite authors to submit, for consideration, original research or review manuscripts involving the theme of "gait and balance control" from a biomechanical perspective. We expect to gather in this Special Issue diverse applied and theoretical advancements pertaining to the theme. Keywords:

- biomechanics
- motor control
- balance
- gait
- athletes
- Parkinson's disease
- cerebral stroke
- cerebral palsy
- aging

Guest Editor

Dr. Luis Augusto Teixeira

Human Motor Systems Laboratory, School of Physical Education and Sport, University of São Paulo, São Paulo 05508-030, Brazil

Deadline for manuscript submissions

25 June 2025



Biomechanics

an Open Access Journal by MDPI

CiteScore 1.5
Tracked for Impact Factor



mdpi.com/si/194374

Biomechanics MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 biomechanics@mdpi.com

mdpi.com/journal/ biomechanics





an Open Access Journal by MDPI

CiteScore 1.5
Tracked for Impact Factor



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
- Research Professor, Institute of Sport Sciences and Physical Education, Faculty of Sciences, University of Pécs, 7624 Pécs, Hungary
 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 27.4 days after submission; acceptance to publication is undertaken in 6.6 days (median values for papers published in this journal in the second half of 2024).

