



Biomechanics and Motor Control on Human Movement Analysis

Guest Editors:

Prof. Dr. Maria António Castro

CEMPRE-UC & School of Health Sciences, Polytechnic of Leiria, Morro do Lena – Alto do Vieiro, Apartado 4137, 2411-901 Leiria, Portugal

Dr. Orlando Fernandes

Department of Sport Science, University of Évora, Évora, Portugal

Prof. Dr. Rui Mendes

Instituto Politécnico de Coimbra, Escola Superior de Educação de Coimbra, 3030-329 Coimbra, Portugal

Deadline for manuscript submissions:

20 September 2024

Message from the Guest Editors

The human movement system relies heavily on motor control, which is essential for motor performance. Motor control is based on continuous interactions between the individual, the task, and the environment.

This Special Issue is dedicated to highlighting current research that enhances our comprehension of biomechanics and motor control in human movements. We welcome all forms of studies, including both traditional and innovative analyses, encompassing linear and non-linear measures, and embracing all perspectives that contribute to elucidating various aspects of human movement.

This Special Issue will primarily focus on high-quality, original research papers in the fields of biomechanics and motor control related to the analysis of healthy and impaired movements, sports, and occupational activities. We invite researchers and experts to contribute their methods and findings to deepen our understanding of human movement and to introduce innovative approaches in this field.

Keywords

- human movement
- biomechanics
- motor control
- impairment
- sports
- occupational movement





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)