

Special Issue

Biomechanics and Motor Control on Human Movement Analysis: 2nd Edition

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. The study of human movement from a biomechanical perspective is inseparable from the processes involved in controlling movement. 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 seeks the submission of 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.

Guest Editors

Prof. Dr. Maria António Castro

Dr. Orlando Fernandes

Prof. Dr. Rui Mendes

Deadline for manuscript submissions

20 January 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/222199

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

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





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)