



Exercise Physiology and Biomechanics in Human Health

Guest Editors:

Dr. Adela Badau

Department of Physical
Education and Special Motricity,
University Transilvania of Brasov,
B-dul Eroilor no. 29, 500036
Braşov, Romania

Dr. Philip X. Fuchs

Department of Physical
Education and Sport Sciences,
National Taiwan Normal
University, Taipei 10610, Taiwan

Dr. Dana Badau

Department of Motor
Performance, University
Transilvania of Brasov, B-dul
Eroilor no. 29, 500036 Braşov,
Romania

Deadline for manuscript
submissions:

closed (20 December 2024)

Message from the Guest Editors

The main purpose of this Special Issue is to publish relevant interdisciplinary research with high scientific quality focused on identifying aspects of biomechanics and exercise physiology in order to improve human sports potential. We are particularly interested in identifying the biomechanical aspects in relation to the specifics of physical and sports activities, as well as the changes in health status and physiological parameters induced by physical effort specific to different physical activities. The studies can target short, medium or long-term effects, targeting physical activities and those specific to performance sports.

All manuscripts will be reviewed by experts in the field and should be submitted by 20 June 2023. We invite papers that describe the following:

- Functional and metabolic changes in relation to the intensity of the effort;
- Analysis of biomechanics, kinematics and human motion;
- Assessments and analyzes of technical biomechanics in team and individual sports;
- Physiological responses to training tasks in athletes;
- Physical effort and physiological reactions of the human body.





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

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

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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)