

Special Issue

Athletes Performance and Analysis in Combat Sports and Martial Arts: Second Edition

Message from the Guest Editors

Combat sports and martial arts are increasingly becoming an object of interest for researchers due to their growing popularity and spectacular form of competition, which attracts many spectators. Analyzing competitors facilitates the assessment of training progression, indication of a decrease in form and appropriate adjustments to training load. Scientific research makes it possible to visualize the detailed reactions of the body that occur during a sports fight. This Special Issue aims to deepen our analysis of athletes practicing martial arts and sports. Our mission is to broadly present the complex structure of a duel and the body's reactions that occur during a fight. We encourage you to submit papers related to the analysis of combat and athletes practicing martial arts and sports. Keywords

- martial arts
- combat sports
- fight analysis
- technical and tactical preparation
- training control
- kickboxing
- boxing
- Judo
- Karate
- Taekwondo
- Ju-Jitsu
- grappling
- Muay Thai

Guest Editors

Dr. Łukasz Rydzik

Prof. Dr. Wojciech Czarny

Dr. Wiesław Błach

Prof. Dr. Tadeusz Ambrozj

Prof. Dr. Wojciech J. Cynarski

Deadline for manuscript submissions

20 December 2025



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/213298

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)