

## Special Issue

# Application of Biomechanics in Sports Science

### Message from the Guest Editors

Biomechanics, the study of the mechanical laws relating to the movement or structure of living organisms, plays a pivotal role in sports science by optimizing athletic performance and reducing injury risks. By analyzing the mechanical aspects of movement, biomechanics helps in understanding the forces exerted by muscles and gravity on the skeletal structure. This scientific approach is employed to refine techniques in various sports, leading to enhanced efficiency and effectiveness. This Special Issue aims to first understand the biomechanical applications to improve sports performance, while the second objective is related to receiving articles on applications of biomechanics for preventing and reducing the risk of sports injuries. Articles received for this Special Issue must be in the following formats: brief report, original study, clinical trials, experimental study, scope review, systematic review, and meta-analysis.

### Guest Editors

Dr. Fábio Juner Lanferdini

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### Deadline for manuscript submissions

20 March 2026



## Applied Sciences

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### 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.

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### Editor-in-Chief

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