

Special Issue

Data-Driven Sports Science: Advances and Applications

Message from the Guest Editors

The use of sensors in sports has provided information relevant for understanding human movement in the sporting arena. This information has been used to improve performance, optimise teaching and learning processes, recruit sporting talent, and develop healthy parameters, among other applications. Against this background, this Special Issue aims to bring together research articles and reviews that analyse human movement in the field of sports. Topics will include the following:

- Use of sensor systems in isolated contexts, training, and competition.
- Application of new instruments for the assessment of human movement.
- Kinematic and biomechanical characteristics of different sports practices.
- Use of artificial intelligence for the classification of biomechanical patterns.
- Use of sensors to adapt sports, identify anomalies, and predict injuries.
- Effects of different biomechanical patterns and kinematic ranges on sports practice.
- Quality of human movement and health.
- Analysis, teaching, and sports performance based on movement.
- Validation of sports movement analysis systems.
- Evolution of movement patterns throughout sporting life.

Guest Editors

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Deadline for manuscript submissions

20 September 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 6.1



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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

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