Special Issue

Advances in Data Science in Sports

Message from the Guest Editors

Today, we are living the era of "Industry 4.0". In just a few years, we have become a highly analytical society where, at any given time, massive data sets are being produced, collected and analyzed. Cities and countries aim to develop into smart societies, optimizing the performance and the wellbeing of their citizens. Sports industries are no different, as sport reflects society. Athletes, both recreational ones and those who are world-ranked, and patients and practitioners (Physical Education teachers, coaches, analysts, physicians, therapists, etc.) are keen to establish analytical parameters as well. So, this Special Issue aims to gather contributions from academics investigating data science from biomechanical and bioenergetics data in individual and team sports. Original research and review papers in these areas are encouraged for submission.

Topics of interest include:

- Artificial intelligence, neural networks and machine learning algorithms applied in sports;
- Computer vision application in sports.

Guest Editors

Dr. Kelly De Jesus

Dr. Karla De Jesus

Prof. Dr. Flávio Antônio de Souza Castro

Prof. Dr. Raúl Arellano

Deadline for manuscript submissions

30 December 2025

Applied Sciences

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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