Special Issue

Application of Artificial Intelligence in Sports Analysis

Message from the Guest Editor

Artificial Intelligence (AI) is increasingly being utilized in sports analysis to enhance performance and strategy. AI tools analyze player performance through data collection from games, training sessions, and biometric sensors. Coaches use AI to develop strategies by analyzing opponents' tactics and predicting outcomes based on historical data. AI algorithms assess player health and predict injury risks by monitoring physical conditions and workload, allowing for the better management of player fitness. Advanced analytics powered by AI help teams make data-driven decisions, improving overall team performance and operational efficiency. The integration of AI in sports is expected to grow, with advancements in machine learning and data analytics. In this Special Issue, we aim to publish a collection of research contributions illustrating recent achievements in all aspects of the development and study of AI technologies in sports. Keywords

- sports analysis
- performance analysis
- artificial intelligence
- machine learning

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Deadline for manuscript submissions

closed (20 January 2026)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/247614

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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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