

Special Issue

Advances in Biomechanics and Sports Medicine

Message from the Guest Editor

The contemporary landscape of sports science is being rapidly reshaped by emerging synergies between biomechanics and sports medicine. With the proliferation of advanced computational tools, wearable sensor technologies, and evidence-based clinical practices, the integration of these disciplines has reached a pivotal moment. Biomechanics provides a foundational understanding of human movement, mechanical load, and tissue response, while sports medicine addresses the diagnosis, treatment, and prevention of injuries and physiological dysfunctions. This Special Issue aims to explore the **latest interdisciplinary advances** at the convergence of these domains, emphasizing both the mechanistic understanding and clinical applications of biomechanical principles in athletic populations. As sports become increasingly data-driven and performance expectations continue to rise, there is an urgent need for **robust, translational research** that bridges laboratory findings with real-world applications on the field, in rehabilitation clinics, and during elite competition.

Guest Editor

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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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