Special Issue

Biomechanics in Human and Animal Movement

Message from the Guest Editors

This Special Issue focuses on the multidisciplinary exploration of biomechanics in human and animal movement, integrating knowledge from engineering, physiology, veterinary science, and sports science. This Special Issue aims to present recent advances in understanding the mechanical principles underlying motion, performance, and injury prevention in both humans and animals. Topics of interest include, but are not limited to, the following: musculoskeletal modeling; gait and posture analysis; comparative biomechanics; motion capture and simulation; neuromuscular coordination; and adaptive movement strategies. Studies involving clinical applications, rehabilitation, sport performance optimization, or animal welfare are particularly encouraged. Contributions may employ experimental, computational, or theoretical approaches. We welcome original research articles, systematic reviews, and communications that provide new insights into locomotor function, joint mechanics, impact dynamics, or interspecies comparisons of movement strategies. We look forward to your contributions.

Guest Editors

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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.

Editor-in-Chief

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