

## Special Issue

# Biomechanics and Ergonomics in Prevention of Injuries

### Message from the Guest Editors

Injury prevention through optimized biomechanics and ergonomics is becoming increasingly critical across various fields, from sports and occupational settings to healthcare and road safety. With traffic injuries alone contributing to over 1.35 million deaths and approximately 50 million injuries yearly, according to the World Health Organization, the need for effective injury prevention strategies is crucial. This Special Issue will focus on the latest advancements in biomechanics and ergonomics aimed at enhancing quality of life and human performance, with a particular emphasis on reducing traffic and mobility-related injury risks. We invite submissions that explore novel methodologies, quantitative and epidemiological studies, experimental and computational simulations, and technologies designed to assess and improve human posture and safety measures for all road users. Research that bridges the gap between theory and practical application in real-world environments is particularly welcome, offering valuable insights for professionals dedicated to enhancing human injury prevention through the application of biomechanics and ergonomics.

### Guest Editors

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### Deadline for manuscript submissions

20 December 2025



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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.

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### Editor-in-Chief

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