



## Sports Biomechanics

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### Message from the Guest Editors

Sports biomechanics is an interdisciplinary subject. The findings of sports biomechanics are often used to improve athletic performance in competitive sports under individual anthropometric conditions. However, biomechanical investigations and modeling help to develop and optimize sports equipment and sports gear by better understanding the interactions of humans with equipment and other objects. This results in the following tasks of sports biomechanics: Quantitative description of movement from a mechanical point of view, development and application of suitable examination methods, and contribution to movement optimization and performance diagnostics. On this basis, the following topics were chosen for the planned Special Issue: biomechanical characteristics of movement sequences in high-performance sport, application of modern technologies for the diagnostics of movement techniques, biomechanical diagnostics in rehabilitation, and stress on the musculoskeletal system during athletic movements.





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## Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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