

Special Issue

Biomechanics of Walking and Running: Health and Injury Prevention

Message from the Guest Editors

Since long time researchers have been fascinated by the study of human locomotion biomechanics, which has brought valuable insights applicable to health and injury prevention as well. This Special Issue focuses on gathering cutting-edge research to advance knowledge in the biomechanics of human locomotion. The objective is to integrate the most recent research methodologies, such as wearable systems and three-dimensional motion analysis, to examine in depth the variability of walking and running, alterations in kinematics and kinetics, and their impact on musculoskeletal health. Contributions about movement efficiency, variability analysis, quantitative postural assessments, the application of wearable devices in biomechanical analysis, as well as innovative approaches for the qualitative and quantitative evaluation of locomotion and injury prevention will be welcome. This Special Issue will welcome original research, systematic reviews, and meta-analyses addressing various aspects of gait and running analysis and synthesizing current knowledge in this rapidly evolving field.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Sports (ISSN 2075-4663) is a peer-reviewed scientific journal that publishes original articles, critical reviews, research notes and short communications in the interdisciplinary area of sport sciences and public health. It links several scientific disciplines in an integrated fashion, to address critical issues related to sport science and public health. The journal presents diverse original articles, including systematic and narrative reviews, cohort and case control studies, innovative randomized trials, and formative research using qualitative and quantitative methods with the aim to provide information for researchers to plan intervention programs. It addresses diverse public health, physical activity and exercise science topics.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.1 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2024).