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Researching Sports Biomechanics for Disabled People

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Message from the Guest Editor

Disabled people compete at high levels in several sport disciplines and physical activity for this population has become a high interest area of study in biomechanics. In order to help them with their functional disabilities, researchers need to re-think their methods of investigations. Paralympic athletes compete in both individual and team sports, locomotive and non-locomotive disciplines, short-lasting high-intensity and long-lasting low-intensity efforts, etc. Sport is acknowledged as being of immense value to sedentary disabled people as well.

The following are examples of some of the potential topics in sports biomechanics for disabled people: How much mechanical and metabolic work/power is needed in different sports; how do mechanical and metabolic work/power relate to each other; how is motor control successfully managed in different sports; how can sports equipment be adapted to users; and which are the most effective testing and training protocols.

The aim of this Special Issue is to advance knowledge regarding biomechanics for disabled people practicing sport or simply exercising for fitness or entertainment purposes, in terms of testing and training assessment.



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Special Issue



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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.

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