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Environment and Sport Performance

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Message from the Guest Editors

The effect of environmental conditions on sports has been extensively studied over the last few years. Most outdoor sports activities, and endurance sports in particular, are strongly influenced by variations of meteorological parameters. Moreover, environmental conditions affect the measurement's processes of sport performance more in indoor sports than in outdoor sports (i.e., swimming, sailing, etc.). The aim of this Special Issue is to assess how it is possible to integrate the different measures used to evaluate sport performance, looking at performance analysis in a holistic vision. Is it possible to analyze the performance of the endurance of athletes, disregarding the weather and environmental data? Is it possible to develop materials for outdoor sports without taking into account the effects of the environment? How is it possible to integrate different measures (environment, weather, performance data, such as Heart Rate Frequencies (HRF), etc.) without interfering with the athlete's performance and without a disturbance of the measurement processes from the environment? To address these and related questions is the aim for this Special Issue.



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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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