

Special Issue

Micro and Nano Technologies for Sport

Message from the Guest Editors

The improvement of an athlete's safety and performance passes through a thorough knowledge of the motion of the athlete, and the loads that are exchanged between the athlete and the equipment and/or environment. The measurement of motions and loads has to be as neutral as possible in order not to modify the athlete's behavior and feeling; this can only be achieved through micro and nano sensors. This Special Issue aims at bringing together contributions from researchers, doctors and also athletes, who could greatly benefit from these new technologies. The focus is especially on the latest advances and applications of micro sensors in sports equipment, with particular focus on wearable, in-helmets, and distributed micro inertial measurement units. Papers devoted to overviews on the evolution of sensors for the study of Olympic Disciplines, and to neuroimaging techniques for functional brain exploration in post-traumatic rehabilitation are also welcome.

Guest Editors

Prof. Dr. Francesco Braghin

Dr. Dario Dalla Vedova

Prof. Dr. Stefano Mariani

Deadline for manuscript submissions

closed (31 December 2017)



Sports

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Impact Factor 2.9
CiteScore 4.1
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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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indexed within Scopus, ESCI (Web of Science), PubMed, PMC, and other databases.

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JCR - Q1 (Sport Sciences) / CiteScore - Q2 (Physical Therapy, Sports Therapy and Rehabilitation)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.7 days after submission; acceptance to publication is undertaken in 3.7 days (median values for papers published in this journal in the first half of 2025).