

Special Issue

Applications of Wearable Sensors in Healthcare, Rehabilitation and Sports Biomechanics

Message from the Guest Editors

During the recent pandemic and lockdowns, the importance of physical activity has been highlighted. We have become more aware of how leading an active lifestyle improves quality of life, longevity, and overall well-being, as well as reducing the risks of chronic and non-communicable diseases. Though applications of wearable and equipment-attached sensors are becoming increasingly sophisticated, there are many multi-disciplinary opportunities for advancement. These include increasing usability and operational robustness, generating comprehensive and personable feedback, improving data streaming, and enhancing processing infrastructures. There is also room to address issues such as vendor locking and reliance on proprietary systems that do not provide access to raw data or properly address the need for privacy preservation, empowering end-users to take control over their data sharing, and securing personal data to remain within the oversight of local data protection laws. This Special Issue of the Applied Sciences journal aims to provide a platform to share the latest research on applications of wearable sensors in healthcare, rehabilitation, and sports biomechanics.

Guest Editors

Dr. Boris Bačić

Prof. Dr. Hamid GholamHosseini

Dr. Maryam Doborjeh

Dr. Samaneh Madanian

Deadline for manuscript submissions

20 December 2025



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/200054

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)