

Special Issue

Applications of Wearable Sensors and Image Processing in Assistive and Rehabilitative Technologies

Message from the Guest Editors

This Special Issue accepts submissions of high-quality research papers and review articles on the topic of wearable sensors and image processing applications for assistive technologies used for rehabilitation. Potential topics of interest include, but are not limited to:

- Wearable sensors and systems;
- Embedded sensor systems in wearable assistive devices;
- Intelligent sensors and systems for healthcare and assistive technology;
- Medical image processing in assistive and rehabilitative technologies;
- Machine learning algorithms applied in rehabilitation and assistive technology;
- Rehabilitative and assistive technologies;
- Data security in wearable sensing devices;
- M-health and p-health systems;
- Cloud computing with medical imaging, image processing, and analysis;
- IoT-based systems and cloud computing in IoT-based systems;
- Big data handling in IoT-based systems;
- Virtual and augmented reality for medical rehabilitation and assistive technologies;
- Wearable sensors for accessible and adaptive technologies: visual, motor/mobility, auditory, seizures, and learning/cognitive.

Guest Editors

Prof. Dr. Hariton-Nicolae Costin

Dr. Cristian Rotariu

Dr. Gladiola Petroiu

Deadline for manuscript submissions

30 October 2025



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/172653

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

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





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)