

## Special Issue

# Human Activity Recognition (HAR) in Healthcare, 3rd Edition

### Message from the Guest Editors

Technological advances, including those in the medical field, have improved patients' quality of life. These results have led to an increased elderly population with a greater demand for healthcare, which is difficult to meet due to the expensiveness and scarce availability of caregivers. Advances in artificial intelligence, wireless connection systems, and nanotechnologies allow intelligent human health monitoring systems to be created, avoiding hospitalization with apparent cost containment. Human activity recognition (HAR), especially those based on the use of data collected through sensors or on viewing images captured by cameras, is fundamental in the health monitoring system. In addition, they can guarantee activity recognition functions, the monitoring of vital functions, traceability, the detection of falls and safety alarms, and cognitive assistance. The rapid development of the Internet of Things (IoT) supports research on a wide range of automated and interconnected solutions to improve the quality of life of older people and their independence. With IoT, it is possible to create innovative solutions in ambient intelligence (Aml) and ambient assisted living (AAL).

### Guest Editors

Dr. Luigi Bibbò

Department of Civil Engineering, Energy, Environment and Materials (DICEAM), Mediterranean University of Reggio Calabria, Via Zehender, 89124 Reggio Calabria, Italy

Prof. Dr. J. Artur Serrano

Department of Neuromedicine and Movement Science, Faculty of Medicine and Health Sciences, NTNU/Norwegian University of Science and Technology, 7491 Trondheim, Norway

### 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/236816](https://mdpi.com/si/236816)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls-ci@mdpi.com](mailto:appls-ci@mdpi.com)

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

[appls-ci](https://appls-ci.mdpi.com)





# 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 )