



Sensor and Data Integration, Analysis and Exchange for Healthcare and Healthy Living

Guest Editors:

Dr. Carlos Agostinho

Centre of Technology and Systems, UNINOVA, 2829-516 Caparica, Portugal

Dr. Luigi Gallo

National Research Council of Italy, Institute of High Performance Computing and Networking, ICAR-CNR, 80131 Naples, Italy

Deadline for manuscript submissions:

13 December 2024

Message from the Guest Editors

With the increasing availability of sensor technologies and the growing importance of data-driven healthcare solutions, research in this area has gained significant attention in recent years. The proliferation of wearable devices, Internet of things (IoT) sensors, biosensors, and other advanced sensing technologies, alongside efforts in standardized health data exchange (e.g., HL7 FHIR and EEHRxF), has enabled the continuous monitoring of various physiological parameters and lifestyle behaviors. This abundance of data holds immense potential for revolutionizing healthcare delivery by providing clinicians with timely insights into patient health status, facilitating health promotion, early disease detection, and empowering individuals to become active actors in the management of their health and wellbeing.

This Special Issue aims to explore the latest advancements, challenges, and opportunities in sensor and data integration, analysis, and exchange, while addressing application cases in areas such as chronic disease prevention and management, support of ageing populations, healthcare access and affordability, and healthy lifestyle management.





sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)