

Special Issue

Healthcare Systems Enhanced by Advances in the Internet of Medical Things

Message from the Guest Editor

Rapid advances in the Internet of Medical Things (IoMT) are redefining the landscape of modern healthcare systems by enabling continuous, real-time monitoring, intelligent diagnostics, and health data-driven decision-making. This Special Issue invites original, high-quality research and review articles that explore advanced IoMT technologies and systems, including novel sensor designs, wearable and implantable biosensors, multi-modal sensing systems, smart data acquisition techniques, remote monitoring systems, and AI-driven analytics for transformative healthcare delivery and outcomes. Topics of interest include, but are not limited to, secure IoMT architectures, interoperability and standards, sensor integration with AI and machine learning, edge and cloud computing integration, energy-efficient communication protocols, data privacy and cybersecurity, and applications in predictive medicine and ambient assisted living. Through this Special Issue, we aim to consolidate cutting-edge developments in IoMT for intelligent, responsive, and scalable healthcare systems, bridging the gap between engineering innovations and clinical impact.

Guest Editor

Dr. George Oguntala

Biomedical Engineering Department of Life Sciences, School of Health Sciences Faculty of Health, Education and Life Sciences Birmingham City University, West Midland, UK

Deadline for manuscript submissions

31 July 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/243431

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

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





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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



About the Journal

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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Department of Electrical and Information Engineering, Politecnico di
Bari, Via Orabona 4, 70126 Bari, 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), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)