Special Issue

Energy-Efficient and Privacy-Preserving Biomedical Signal and Image Processing

Message from the Guest Editor

Energy-efficient and privacy-preserving biomedical signal and image processing is an emerging field that combines advancements in medical technology with sustainable and secure practices. With the increasing demand for wearable health devices, medical imaging systems, and remote health monitoring, it is critical to develop solutions that not only minimize energy consumption but also ensure the privacy of sensitive patient data. By leveraging techniques such as signal compression, data encryption, and AI-driven models, this field aims to provide accurate medical analysis while safeguarding privacy and reducing the environmental impact of healthcare technologies.

Guest Editor

Dr. Shuo-Tsung Chen
Department of Medical Informatics, Chung Shan Medical University, Taichung 40201, Taiwan

Deadline for manuscript submissions

closed (31 August 2025)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/228460

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

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

MDPI

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