

Special Issue

AI and Neural Networks for Advanced Biomedical Sensor Applications

Message from the Guest Editor

Coverage: Original and review papers, including clinical or research reports of preliminary results in:

- surface-electromyographic (sEMG) signals;
- electrocardiographic (EKG) signals;
- electroencephalographic (EEG) signals;
- magnetocardiographic (MCG) signals;
- magneto-encephalographic (MEG) signals;
- quantum dots—in vivo;
- quantum dots—in vitro;

The papers may cover basics and applications, especially in diagnosis, drug delivery, treatment, control and brain-machine interfaces. Application in cancer research, paraplegia are welcome but may cover any other field of medicine and biology. The papers may relate (but are not limited) to signal and image processing and spectrum analysis.

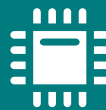
Guest Editor

Prof. Dr. Daniel Graupe

Department of Electrical and Computer Engineering, University of Illinois at Chicago, Chicago, IL, USA

Deadline for manuscript submissions

31 August 2025



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/228606

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

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)