

## Special Issue

# Sensing Signals for Biomedical Monitoring—2nd Edition

### Message from the Guest Editor

Biomedical monitoring sensors serve as the vital interface between the human body and advanced analytical systems, meticulously detecting and recording a diverse array of physiological signals. These encompass fundamental indicators such as heart rate and blood pressure, intricate neurological activity, respiratory patterns, biochemical markers, and beyond.

However, the inherent complexity and variability of these signals necessitate the application of sophisticated signal processing methodologies, cutting-edge artificial intelligence algorithms, and robust data analytics frameworks. Furthermore, the seamless integration of advanced sensing technologies, efficient data acquisition systems, and user-friendly interfaces is paramount for the widespread adoption and clinical utility of biomedical monitoring solutions.

In this context, we cordially invite you to contribute to this pivotal second edition under the overarching theme of “Sensing Signals for Biomedical Monitoring.” We welcome submissions that showcase original research, insightful practice papers, and comprehensive systematic reviews that address the multifaceted landscape of biomedical monitoring.

---

### Guest Editor

Prof. Dr. Carlos M. Travieso-González

Signals and Communications Department, Institute for Technological Development and Innovation in Communications, University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain

---

### Deadline for manuscript submissions

30 November 2026



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/240332](https://mdpi.com/si/240332)

*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto: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)