

# Special Issue

## Smart Computing Systems for Biomedical Signal Processing

### Message from the Guest Editors

In recent years, advances in biomedical sensors have increased the number of variables measured as well as the quality of the acquired signals. On the other hand, current computing architectures either process the acquired signals, aiming to extract features in search of specific patterns to identify different diseases or disabilities, or just obtain real time data for subjects monitoring. In addition, the synergic combination of advanced signal processing techniques and machine learning algorithms, enhances the extraction of relevant information from the signals even in the noisy conditions naturally present in biomedical data.

This Special Issue aims to highlight advances in biomedical sensors, including applications, methods and algorithms for signal processing, modeling and classification. Topics include, but are not limited to, signal processing- and learning-based algorithms in:

Medical imaging (CT, XR, MRI, functional)  
Neurophysiological signals (EEG, MEG)  
Electrophysiological signals (ECG, EMG)  
Human movement modeling (inertial sensors)  
Body monitoring by thermal imaging  
Glucose monitoring sensors

---

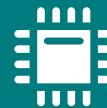
### Guest Editors

Dr. Andrés Ortiz García  
Prof. Dr. Juan Manuel Gorriz  
Prof. Dr. Javier Ramírez

---

### Deadline for manuscript submissions

closed (10 November 2021)



# Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed

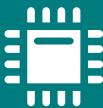


[mdpi.com/si/65271](http://mdpi.com/si/65271)

*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](http://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](http://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)

