

## Special Issue

# Sensor Data Acquisition and Application: Medical Imaging and Information Processing

### Message from the Guest Editor

Medical imaging is an area that has significantly benefited from the advances and innovations that have emerged in the field of sensor technology. Sensors play an important role in improving the quality of medical images by providing high-resolution and real-time data to help physicians and clinicians develop more accurate diagnoses and treatment plans. Sensing-related technologies and applications are increasingly being used in computer-aided detection and identification systems in the medical and biomedical fields. One of the many advantages of computer-aided systems is objectivity, while human experts can be subjective depending on their experience and expertise. These systems help identify specific diseases, enabling physicians to provide more timely, accurate, and effective treatment. The topics that will be covered include (but are not limited to):

- Medical imaging;
- Medical devices;
- Information fusion for medical data;
- Speech/audio/image processing;
- EEG Signals;
- Signal processing;
- M-Health systems.

For more information, please visit: [mdpi.com/si/4GKG3](https://mdpi.com/si/4GKG3)

---

### Guest Editor

Dr. Buket D. Barkana

College of Engineering, Business & Education, University of Bridgeport, Bridgeport, CT, USA

---

### Deadline for manuscript submissions

closed (25 January 2024)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/171783](https://mdpi.com/si/171783)

*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)