



an Open Access Journal by MDPI

## Applications of Deep Learning and Sensing Technologies in Healthcare Monitoring

Guest Editors:

**Dr. Tao Tan**

**Dr. Jiangang Chen**

**Dr. Fan Huang**

**Dr. Xiayu Xu**

**Dr. Mengze Xu**

### Message from the Guest Editors

Dear Colleagues,

The objective of this Special Issue is to generate a comprehensive understanding of medical AI and biosensors in clinical applications. It will also highlight the latest industrial solutions to recent challenges for AI deployment in clinical settings. Authors are invited to submit outstanding and original unpublished research manuscripts focused on the latest findings in related fields. The topics of interest are limited to the following:

Deadline for manuscript submissions:

**closed (7 April 2023)**

- Artificial intelligence for medical imaging;
- Explainable artificial intelligence in healthcare;
- Artificial intelligence for healthcare sensing and monitoring;
- Biosensors; Biosensing technique;
- Wearable devices;
- Artificial intelligence ethical study in medicine;
- Medical imaging understanding;
- Image segmentation, registration, and fusion;
- Computer-aided diagnosis;
- Integration of imaging with non-imaging biomarkers;
- Visualization in biomedical Imaging;
- Image-guided interventions and surgery.



[mdpi.com/si/135945](https://mdpi.com/si/135945)

For more information, please visit: [mdpi.com/si/3F1Q0ZHH60](https://mdpi.com/si/3F1Q0ZHH60)

# Special Issue



*sensors*



an Open Access Journal by MDPI

## 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

## 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.

## 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 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

## Contact Us

---

*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)