

## Special Issue

# Image Analysis and Biomedical Sensors

### Message from the Guest Editors

Recent advances on medical image analysis, mostly driven by deep learning developments, have shown a great impact on improving the current state of the art on disease detection, diagnosis, monitoring and prognosis, both on pre-clinical and clinical scenarios. The core themes of this Special Issue include, but are not limited to:

- Advances in image analysis for disease detection, diagnosis and/or monitoring, including, but not limited to MRI, X-ray, PET, ultrasound, etc.
- Advances in multimodal systems for diagnosis, prognosis, treatment, and/or prevention.
- Pre-clinical, clinical, and in silico (virtual clinical trials) applications of novel image analysis and/or biomedical sensing technologies, including but not limited to cancer imaging, neuroimaging, cardiothoracic imaging, aging, etc.
- Artificial intelligence and machine learning methods for biomedical image and signal analysis.

Keywords:

- medical image analysis
- biomedical sensors
- clinical and virtual clinical trials
- machine learning
- artificial intelligence

---

### Guest Editors

Dr. Robert Martí

Computer Vision and Robotics Institute (VICOROB), University of Girona, 17004 Girona, Spain

Dr. Joan Martí Bonmatí

Computer Vision and Robotics Institute (VICOROB), University of Girona, 17004 Girona, Spain

---

### Deadline for manuscript submissions

closed (30 November 2024)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/86319](https://mdpi.com/si/86319)

*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)