

## Special Issue

# Biomedical Imaging: Present and Future Challenges, from Image Processing Sensors Through Artificial Intelligence—2nd Edition

### Message from the Guest Editors

This Special Issue aims to put together original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the field of (bio)medical imaging. Topics of interest include, but are not limited to, the following:

- Biomedical image analysis and other analyses (including, but not limited to, image quality improvement, image restoration, image segmentation, image registration, and radiomics analysis);
- Biomedical sensing;
- Biomedical imaging and diagnosis;
- Image-guided therapy;
- Computer-aided diagnosis and surgery;
- Digital radiography;
- X-ray-computed tomography (CT);
- Positron emission tomography (PET);
- Ultrasound imaging;
- Magnetic resonance imaging (MRI);
- Microscopies;
- Photoacoustic imaging;
- Deep learning;
- Federated learning.

---

### Guest Editors

Dr. Alessandro Bruno

Dr. Alessia Artesani

Dr. Pier Luigi Mazzeo

Dr. Faraz Janan

---

### Deadline for manuscript submissions

closed (20 March 2026)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.0  
CiteScore 9.4  
Indexed in PubMed



[mdpi.com/si/240787](https://mdpi.com/si/240787)

*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 4.0  
CiteScore 9.4  
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)