

## 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

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### Deadline for manuscript submissions

20 March 2026



## Sensors

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### 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.

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