



sensors



an Open Access Journal by MDPI

Image Analysis and Biomedical Sensors

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)

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



mdpi.com/si/86319

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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)