



sensors



an Open Access Journal by MDPI

Artificial Intelligence (AI) in Biomedical Imaging

Collection Editor:

Dr. Cristiana Corsi

Department of Electrical,
Electronics and Information
Engineering “Guglielmo
Marconi”, Cesena Campus,
University of Bologna, Via
Venezia 52, 47521 Cesena, Italy

Message from the Collection Editor

With recent advancements in AI, medical imaging has developed in many innovative ways. Numerous AI-based tools have been developed to automate medical image analysis and improve automated image interpretation. Deep learning approaches have demonstrated exceptional performance in the screening and diagnosis of many diseases. This field is also becoming increasingly accessible to researchers in medicine and biology who have not traditionally been machine learning practitioners. A further challenge regarding AI-driven solutions is the development of tools for a personalized disease assessment through deep learning models by taking advantage of their ability to learn patterns and relationships in data and utilize massive volumes of medical images. The aim of the Special Issue is to focus on medical image processing and analysis regarding AI-driven computer-aided diagnosis and improvement of automated image interpretation. However, contributions concerning other aspects of medical image processing and analysis (including image quality improvement, restoration, segmentation, registration, and radionics analysis) are also welcomed.



mdpi.com/si/82189

Topical Collection



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 & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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