

Special Issue

Emerging Trends in Artificial Intelligence for Biomedical Image Analysis

Message from the Guest Editor

Artificial intelligence (AI) has transformed biomedical image analysis, providing innovative solutions for disease diagnosis, treatment planning, and patient monitoring. This Special Issue highlights the latest trends in AI-driven methodologies, such as deep learning, reinforcement learning, and hybrid approaches, which are tailored to the unique challenges of biomedical imaging and integrated with the Internet of Things (IoT) and advanced sensor technologies. This Special Issue also explores domain-specific applications, such as AI for radiology, pathology, and retinal image analysis, emphasizing the role of IoT and sensor fusion in enhancing diagnostic accuracy. Despite these advancements, challenges such as data privacy, model generalizability, and regulatory hurdles persist, particularly with IoT data security.

Guest Editor

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Deadline for manuscript submissions

15 November 2025



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/222989

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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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