# **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 Al-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

closed (15 November 2025)



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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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