

## Special Issue

# Deep Learning-Based Medical Diagnostics

### Message from the Guest Editor

This Special Issue aims to present recent methodological advances and practical applications of deep learning for medical diagnostics, emphasizing approaches that enhance diagnostic performance, robustness, and clinical applicability. We particularly welcome contributions addressing multimodal diagnostic systems, the intelligent analysis of biomedical signals and medical imaging, data-driven diagnostic biomarkers, explainable AI, and real-world clinical deployment. In this Special Issue, original research articles, technical reports, and review papers are welcome. Topics of interest include, but are not limited to, deep learning models for disease detection and prognosis; multimodal diagnostic data fusion; AI-assisted medical imaging and biosignal analysis; explainable and trustworthy AI in diagnostics; wearable and point-of-care diagnostic systems; and the clinical validation of AI-based diagnostic tools.

### Guest Editor

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### Deadline for manuscript submissions

31 October 2026



## Diagnostics

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You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

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