

Special Issue

Recent Advances in AI and Hyperspectral Techniques for Medical Imaging

Message from the Guest Editor

Artificial intelligence (AI) and hyperspectral imaging (HSI) are two rapidly evolving technologies that are transforming medical imaging. This Special Issue, titled “Recent Advances in AI and Hyperspectral Techniques for Medical Imaging”, aims to present recent progress in the development and application of AI-based and HSI-based techniques for medical image analysis and clinical diagnosis. We welcome contributions focusing on AI approaches such as deep learning for image reconstruction, enhancement, segmentation, and classification. Submissions related to hyperspectral imaging applications in tissue characterization, inflammation detection, and surgical guidance are also encouraged. While studies integrating both AI and HSI are of interest, independent advancements in either area are equally valued. This Special Issue provides a platform for researchers, clinicians, and engineers to exchange insights and promote interdisciplinary innovations in intelligent and spectral medical imaging. We look forward to your contributions.

Guest Editor

Dr. Hsianmin Chen

Department of Medical Research, Taichung Veterans General Hospital, Taichung, Taiwan

Deadline for manuscript submissions

31 March 2026



Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



mdpi.com/si/242391

Diagnostics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
diagnostics@mdpi.com

[mdpi.com/journal/
diagnostics](https://mdpi.com/journal/diagnostics)





Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



[mdpi.com/journal/
diagnostics](https://mdpi.com/journal/diagnostics)



About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Andreas Kjaer
Department of Clinical Physiology, Nuclear Medicine & PET National
University Hospital, Rigshospitalet, University of Copenhagen,
Blegdamsvej 9, DK-2100 Copenhagen, Denmark

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, Inspec, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q2 (Internal Medicine)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).