# **Special Issue**

# Deep Learning in Biomedical Image and Signal Processing: Recent Advancements and Applications

### Message from the Guest Editor

This Special Issue aims to highlight the latest advancements in and innovative applications to deep learning in biomedical image and signal processing. We welcome original research articles, reviews, and perspectives that explore the development and application of deep learning algorithms for various tasks, including the following: Image analysis, signal processing, multimodal data fusion, explainable AI, clinical translation, biomarker discovery and validation, predictive modeling and risk assessment. This Special Issue will provide a valuable resource for researchers, clinicians, and industry professionals interested in the latest developments in deep learning for biomedical applications.

### Guest Editor

Dr. Narinder Singh Punn

Department of Computer Science and Engineering, ABV-Indian Institute of Information Technology and Management Gwalior, Gwalior, Madhya Pradesh, India

#### Deadline for manuscript submissions

30 June 2025



# **Diagnostics**

an Open Access Journal by MDPI

Impact Factor 3.0 CiteScore 4.7 Indexed in PubMed



mdpi.com/si/212257

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

mdpi.com/journal/ diagnostics





# Diagnostics

an Open Access Journal by MDPI

Impact Factor 3.0 CiteScore 4.7 Indexed in PubMed



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, CAPlus / 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 20.3 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2024).