Special Issue

Machine Learning and Deep Learning for Healthcare Data Processing and Analyzing

Message from the Guest Editors

Healthcare data processing refers to the recording, storage, analysis and management of physiological data related to the healthcare industry. In the COVID-19 pandemic, AI-assisted diagnostics played an important role in the early detection of different pathologies and fine-grained classification of patients. The electronic medical records (EHRs) and AI algorithms are reshaping modern diagnostics, making precise medicine and data-driven healthcare in the big data era a reality. The healthcare data are recorded from the patients using biomedical signal recording instruments and medical imaging modalities, as well as wearable sensors. The automated analysis of healthcare data using AI algorithms is important for the diagnosis of various diseases. This Special Issue will help to demonstrate the applications of machine learning and deep learning for different healthcare data processing. This Special Issue welcomes high-quality original research papers and review papers on the applications of machine learning and deep learning methods for healthcare data analysis.

Guest Editors

Dr. Rajesh K. Tripathy

Department of Electrical and Electronics Engineering, BITS Pilani, Hyderabad 500078, India

Dr. Haipeng Liu

Faculty of Health and Life Sciences, Coventry University, Coventry, CV1 5FB, UK

Deadline for manuscript submissions

closed (30 November 2024)

Diagnostics

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed

mdpi.com/si/185228

Diagnostics
Editorial Office
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 3.3
CiteScore 5.9
Indexed in PubMed

mdpi.com/journal/diagnostics

MDPI

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 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).