

## Special Issue

# Artificial Intelligence in Alzheimer's Disease Diagnosis —2nd Edition

### Message from the Guest Editor

Alzheimer's disease is a neurodegenerative disorder that affects memory and other cognitive functions. It is also the fifth-leading cause of death in adults aged 65 and above. Therefore, the early detection and diagnosis of Alzheimer's disease are crucial in developing effective treatments and improving quality of life for patients. The scope of artificial intelligence (AI) in diagnosing Alzheimer's disease is vast and impressive, thanks to advancements in a range of areas, including learning, reasoning, and explainability. AI has demonstrated the ability to predict the likelihood of developing Alzheimer's disease. AI systems show promise in detecting the early signs of this disease by analyzing patterns and anomalies in large data sets. Furthermore, AI can be used to track the progression of the disease using the patient's cognitive function over time. Our aim for this Special Issue is to share novel research on AI systems that have been developed, implemented, and evaluated to support the prediction, early detection, and progression of Alzheimer's disease over time, in accordance with the policy of the journal *Diagnostics*.

### Guest Editor

Prof. Dr. Mohammad Shahadat Hossain

1. Department of Computer Science and Engineering, University of Chittagong, Chittagong 4331, Bangladesh
2. Department of Computer Science, Electrical and Space Engineering, Lulea University of Technology, Lulea, Sweden

### Deadline for manuscript submissions

30 June 2026



## Diagnostics

an Open Access Journal  
by MDPI

Impact Factor 3.3  
CiteScore 5.9  
Indexed in PubMed



[mdpi.com/si/229350](https://mdpi.com/si/229350)

*Diagnostics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[diagnostics@mdpi.com](mailto: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 21.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).