

## Special Issue

# Artificial Intelligence for Magnetic Resonance Imaging

### Message from the Guest Editor

This Special Issue encourages researchers on artificial intelligence to work on improving the clinical utility of multiparametric magnetic resonance imaging (MRI). Novel machine-learning algorithms specific to MRI data is a challenge and could significantly improve MRI's ability to detect and diagnose diseases. Such algorithms could be used to reconstruct MR data, to process and analyze the reconstructed MR images, and to build computer aided detection and diagnosis software. Our main focus will be on handling imbalanced data, feature selection, transfer learning, self-attention, and explainability. We look forward to your latest research on enhancing the clinical utility MRI using novel machine learning methods.

---

### Guest Editor

Dr. Nikolaos Dikaios

Mathematics Research Center, Academy of Athens, 11527 Athens, Greece

---

### Deadline for manuscript submissions

closed (25 July 2023)



## Diagnostics

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.9  
Indexed in PubMed



[mdpi.com/si/113848](https://mdpi.com/si/113848)

*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 6.9  
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 - Q1 (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).