

## Special Issue

# AI and Computational Tools in Gastrointestinal Diagnostics: Shaping the Future of Clinical Practice

### Message from the Guest Editor

The integration of Artificial Intelligence (AI) and computational tools into gastrointestinal diagnostics marks a paradigm shift in clinical practice. This Special Issue, “AI and Computational Tools in Gastrointestinal Diagnostics: Shaping the Future of Clinical Practice,” aims to highlight the latest advancements and future directions in this rapidly evolving field. We welcome original research and comprehensive reviews addressing the development, validation, and clinical implementation of AI algorithms. Key topics of interest include computer-aided detection (CADe) and diagnosis (CADx) systems for endoscopic procedures, deep learning models for pathological analysis, and predictive modeling for risk stratification. In particular, we strongly encourage submissions that explore human-AI interaction, addressing critical issues such as automation bias and automation neglect. Understanding how clinicians interact with these tools and the potential pitfalls of automated decision-making is essential for the safe and effective adoption of AI in real-world settings.

---

### Guest Editor

Dr. Chang Bang  
Chuncheon Sacred Heart Hospital, Chuncheon-si, Republic of Korea

---

### Deadline for manuscript submissions

31 August 2026



## Diagnostics

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.3**  
**CiteScore 5.9**  
**Indexed in PubMed**



[mdpi.com/si/265350](https://mdpi.com/si/265350)

*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 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).