

## Special Issue

# Advanced AI and Data-Driven Learning Methods for Healthcare Applications

### Message from the Guest Editor

This Special Issue will highlight cutting-edge research and developments aimed at overcoming the technological and computational challenges in healthcare data management and medical image processing. The goal is to showcase innovative methods, solutions, and practical applications that can enhance the effectiveness of healthcare delivery through advanced artificial intelligence, data management and image processing techniques. This Special Issue will also explore recent developments in the application of federated and or distributed learning for the diagnosis and management of medical diseases. We invite contributions that investigate new approaches, methodologies, and challenges in deploying AI-based models in clinical environments, as well as research that highlights its benefits in improving healthcare outcomes.

---

### Guest Editor

Prof. Dr. Saïd Mahmoudi

Department of Computer Science, University of Mons, 7000 Mons, Belgium

---

### Deadline for manuscript submissions

31 December 2025

01010  
01010  
01010

## Information

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 6.5



[mdpi.com/si/228229](https://mdpi.com/si/228229)

### Information

Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[information@mdpi.com](mailto:information@mdpi.com)

[mdpi.com/journal/  
information](https://mdpi.com/journal/information)



01010  
01010  
01010

# Information

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 6.5



[mdpi.com/journal/  
information](https://mdpi.com/journal/information)



## About the Journal

### Message from the Editor-in-Chief

The concept of *Information* is to disseminate scientific results achieved via experiments and theoretical results in depth. It is very important to enable researchers and practitioners to learn new technology and findings that enable development in the applied field.

*Information* is an online open access journal of information science and technology, data, knowledge and communication. It publishes reviews, regular research papers and short communications. We invite high quality work, and our review and publication processing is very efficient.

---

### Editor-in-Chief

Prof. Dr. Willy Susilo

School of Computer Science and Software Engineering, University of Wollongong, Northfields Avenue, Wollongong, NSW 2522, Australia

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), Ei Compendex, dblp, and other databases.

#### Journal Rank:

JCR - Q2 (Computer Science, Information Systems) /  
CiteScore - Q2 (Information Systems)