



Artificial Intelligence and Big Data for Healthcare and Biological Data Processing

Guest Editor:

Prof. Dr. Naomie Salim

1. Faculty of Computing,
Universiti Teknologi Malaysia,
Johor Bahru 81310, Johor,
Malaysia

2. UTM Big Data Centre, Ibnu Sina
Institute for Scientific and
Industrial Research, Universiti
Teknologi Malaysia, Johor Bahru
81310, Johor, Malaysia

Deadline for manuscript
submissions:

closed (20 May 2024)

Message from the Guest Editor

The advent of artificial intelligence (AI) in healthcare has been a breakthrough, reshaping the way we diagnose, treat, manage, and monitor patients. The rise of data in healthcare and its complexity means that AI will increasingly be applied within the field. AI in healthcare is emerging in several ways, such as finding new links between genetic code, powering robots that assist in surgery, automating administrative tasks, personalizing treatment options, and much more.

This Special Issue aims to publish articles in the interdisciplinary area of healthcare and AI. This includes AI research on disease prevention, early diagnosis, diagnosis, treatment, etc. The topics include but are not limited to:

- AI for personalized and predictive medicine;
- Natural language processing in healthcare;
- Computational genetics and genomics;
- Data science and big data analytics for healthcare;
- AI for public health and epidemiology;
- Computation drug discovery and cheminformatics;
- AI-based clinical decision making;
- Medical knowledge engineering;
- Machine learning and deep learning in healthcare;
- AI for medical imaging;
- The future of AI in healthcare.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Author Benefits

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

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank: CiteScore - Q2 (Chemical Engineering (miscellaneous))

Contact Us

Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)