

Special Issue

Application of Artificial Intelligence and Modeling Frameworks in Health Informatics and Related Fields

Message from the Guest Editor

Recently, the health informatics field has been enriched by adopting machine learning, deep learning, and statistical learning models to improve healthcare delivery systems. In recent years, Artificial Intelligence (AI) has shown tremendous potential and applications in health informatics. This new technology can transform the HI field, providing new tools and approaches for managing and analyzing HI data to improve patient care, research, and administration. Some areas of interest for papers include precision medicine and genomics data analysis, survival analysis, cluster data modeling, telehealth implementation during pandemics, explainable AI in clinical decision support systems, cybersecurity in healthcare systems, big data analytics for population health management, wearable technology for chronic disease management, ethical considerations of patient data sharing, etc.

Guest Editor

Dr. Rafiqul Chowdhury

Shannon School of Business, Cape Breton University, Sydney, NS B1M 1A2, Canada

Deadline for manuscript submissions

28 February 2026



Computers

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.5



mdpi.com/si/231165

Computers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
computers@mdpi.com

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





Computers

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.5



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



About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article, a comprehensive review or a software paper for consideration and publication in Computers (ISSN 2073-431X). Computers is an international, peer-reviewed, open access journal which provides an advanced forum for computer sciences. Computers 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 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. Paolo Bellavista

Department of Computer Science & Engineering (DISI), University of
Bologna, 40136 Bologna, Italy

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Computer Science, Interdisciplinary Applications) / CiteScore - Q1 (Computer Science (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.5 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the second half of 2025).