Special Issue

Biomedical Data Mining and Analysis

Message from the Guest Editors

The Special Issue on biomedical data mining and analysis invites the submission of cutting-edge research that covers recent advances in leveraging data mining techniques for biomedical applications. Topics of interest include, but are not limited to, machine learning algorithms for disease diagnosis and prognosis, the predictive modeling of patient outcomes, pattern recognition in medical imaging, drug discovery and development, personalized medicine approaches, integration of omics data for precision healthcare, and ethical considerations in biomedical data analysis. Both theoretical developments and practical applications in biomedical informatics are welcome, as well as comprehensive review and survey papers, with an emphasis on interdisciplinary research spanning computer science, biology, medicine, and related fields. This Special Issue aims to showcase innovative methodologies and case studies that demonstrate the potential of data mining and analysis in addressing key challenges in biomedical research and healthcare delivery.

Guest Editors

Dr. Han Liu
School of Software, Dalian University of Technology, Dalian 116024, China

Dr. Xiaotong Zhang
School of Software, Dalian University of Technology, Dalian 116024, China

Deadline for manuscript submissions

31 August 2025

MDPI

Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/
applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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, CAPlus / SciFinder, and other databases.

Journal Rank:
JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)