Special Issue

Applications of Artificial Intelligence in Biomedical Data Analysis

Message from the Guest Editors

Biomedical data have exploded over the past decade. The amount of data available for analysis is very large due to the increase in genomic data by the reduction in the cost of gene sequencing and the digitization of medical records. This flood of biomedical information requires new thinking about how data can be used to enhance scientific understanding and improve bioresearch and healthcare services. The emergence of deep learning technology, which is developing along with AI technology, provides a new solution to biomedical data analysis and can be used in clinical research. In this Special Issue, we want to address recent advances in the following topics related to AI:

- Biomedical data analysis;
- Biomedical engineering;
- Bioinformatics;
- Sequence analysis;
- Time series data analysis.

Submissions are invited for both original research and review articles. We hope that this collection of papers will serve as an inspiration for those interested in the applications of Artificial Intelligence in biomedical informatics.

Guest Editors

Dr. Jeong Seop Sim

School of Computer Science and Engineering, Inha University, Incheon 22212, Republic of Korea

Dr. Soojun Park

Electronics and Telecommunications Research Institute, Daejeon, Republic of Korea

Deadline for manuscript submissions

closed (31 August 2024)

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)