

Special Issue

Advances and Applications of Machine Learning for Bioinformatics

Message from the Guest Editor

The Special Issue "Advances in Machine Learning for Bioinformatics" aims to bring together cutting-edge research that highlights the applications, challenges, and opportunities of machine learning in bioinformatics. As the field of bioinformatics continues to expand, machine learning techniques offer powerful tools to analyze complex biological data, identify patterns, and derive meaningful insights. This Special Issue invites contributions on diverse topics, including but not limited to, genomics, proteomics, systems biology, computational biology, and healthcare. Emphasis will be given to novel methodologies, algorithms, and case studies that demonstrate the effectiveness of machine learning in solving critical problems in biological sciences.

Keywords: machine learning, bioinformatics, genomics, proteomics, computational biology, systems biology, deep learning, biological data analysis, healthcare informatics, predictive modeling

Guest Editor

Prof. Dr. Malik Yousef

Department of Information Systems, Zefat Academic College, Zefat 13206, Israel

Deadline for manuscript submissions

20 February 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/223025

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

mdpi.com/journal/

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





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



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, CAPIus / SciFinder, and other databases.

Journal Rank:

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