

## 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

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 February 2026)



## Applied Sciences

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## 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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