

## Special Issue

# Machine Learning for Bioinformatics and Computational Biology

### Message from the Guest Editor

Biomedical and biological data increasingly grow in size and complexity. These datasets are wide, diverse, and complex, and thus require novel tools and techniques for their exploitation and knowledge extraction. Machine learning, a branch of artificial intelligence, has been widely applied in bioinformatics and computational biology to take advantage of the large number of data produced by these fields. This Special Issue aims to highlight studies related to: new algorithms and applications of machine learning in bioinformatics and computational biology; large-scale computational science with biological datasets; biomedical implementation of machine learning; artificial intelligence and deep learning approaches, systems for helping in assisted decisions, such as recommendation systems; use of semantic similarity; and text mining.

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### Guest Editor

Prof. Dr. Márcia Barros

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### Deadline for manuscript submissions

closed (30 November 2022)



## 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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