Special Issue

Application of Evolutionary Computing for Bioinformatics

Message from the Guest Editor

Bioinformatics is an emerging multidisciplinary field that engages in the acquisition, processing, storage, distribution, and interpretation of biological information and integrates mathematical, computer science, and biological tools to understand biology in data. By contrast, evolutionary computing, also known as evolutionary algorithms, is a family of global optimization algorithms inspired by biological evolution, as well as the subfields of artificial intelligence and soft computing that study these algorithms. In this Special Issue, we invite submissions exploring cutting-edge research and recent advances in the fields of applying evolutionary computing algorithms for bioinformatics. Both theoretical and experimental studies are welcome, as well as comprehensive review and survey papers. The bioinformatics tasks mentioned in the manuscripts may include but are not limited to 1) the alignment and comparison of DNA, RNA, and protein sequences; 2) epigenetics; 3) identification of gene regulatory networks; 4) structure prediction; 5) biological sequence identification and functional analysis; and 6) the relationship between biological sequences and diseases, etc.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2023)

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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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