Special Issue

Machine Learning and Deep Learning in Complex Biological and Genetic Phenomenon

Message from the Guest Editor

Dear colleagues, In recent years, machine learning (ML) and deep learning (DL) algorithms are emerging as useful tools to tackle many of these problems such as protein folding, structure prediction, conformational dynamics, analysis of pathways, docking, system biology and so on. While the application of ML or DL in the domain of biological science is still in its early stage, several new and exciting works are emerging with an exceptional pace. This Special Issue invites the presentation of new and novel implementations, methodologies and applications of ML and DL in the domain of biological sciences. In particular examples of used cases of ML/DL implementation in computational biology or bioinformatics are welcomed.

- machine learning
- deep learning
- AI
- biological sciences
- bioinformatics
- heterogeneous data
- omics
- dimensionality reduction
- noise elimination
- big data

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