applied sciences

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 5.3

Machine Learning Techniques in Molecular Function and Structure Analysis

Guest Editor:

Prof. Dr. Leyi Wei
School of Software, Shandong
University, Jinan 250300, China

Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editor

The rapid increase in data dimension is a challenge for traditional analysis methods in bioinformatics and computational biology. Accordingly, there is an urgent need to develop computational methods to exploit these masses of molecular data more effectively, characterize the molecular structures from such large data, and reveal their functional roles in biological processes. For this purpose, machine learning naturally appears as one of the main drivers of progress. Machine learning and pattern recognition techniques are able to extract useful patterns hidden in the large-scale data and make effective use of these patterns to perform accurate predictions regarding future data. In recent years, bioinformatics has already induced significant new developments of general interest in machine learning, for example in the context of learning with structured data, graph inference, semi-supervised learning, and novel combinations of optimization and learning algorithms. Please kindly note that all submitted papers should be within the scope of the journal.

mdpi.com/si/86547

Special Issue

applied sciences

IMPACT FACTOR 2.5

CITESCORE 5.3

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

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), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
𝕏@Applsci