Special Issue

Bioinspired Computation: Recent Advances in Theory and Applications

Message from the Guest Editor

Bioinspired computation is a relatively new area of science which heavily relies on biology, computer science, and mathematics. It is mainly focused on the design of high-performance computational models inspired by phenomena in biochemistry, biology, and genetics. These models inspired by the way in which nature "computes" are powerful tools to solve both hard theoretical problems as well as real-life problems. Along the same lines, this issue is intended to be an interdisciplinary study that links biological data with techniques from information processing, algorithms, and statistics. The main goals are the development of efficient algorithms for measuring sequence similarity, for information retrieval from biological databases, and for extending experimental data by predictions.

Guest Editor

Prof. Dr. Victor Mitrana

Faculty of Mathematics and Computer Science, University of Bucharest, Str. Academiei 14, RO-010014 Bucharest, Romania

Deadline for manuscript submissions

closed (31 December 2021)

Σ

Mathematics

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.0

mdpi.com/journal/
mathematics

MDPI

About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

Author Benefits

High Visibility:
indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

Journal Rank:
JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Rapid Publication:
manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.3 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2024).