

Special Issue

Machine Learning Algorithms and Their Applications in Bioinformatics

Message from the Guest Editor

We are pleased to invite you to contribute to this Special Issue, titled: Machine Learning Algorithms and Their Applications in Bioinformatics. In recent years, machine learning has become a transformative force in the field of bioinformatics, driving advances in genomics, proteomics, systems biology, drug discovery, and personalized medicine. With the exponential growth of biological data, the demand for intelligent algorithms capable of extracting meaningful patterns and insights is more pressing than ever. This interdisciplinary research area lies at the intersection of computational science, biology, and medicine, and continues to produce novel solutions to complex biomedical challenges. This Special Issue aims to explore the recent developments, methodologies, and applications of machine learning algorithms in bioinformatics. We seek to gather research contributions that demonstrate innovative uses of supervised, unsupervised, semi-supervised, and deep learning techniques in analyzing and interpreting biological data.

Guest Editor

Dr. Alireza Khanteymoori

Department of Neurosurgery, University Medical Center of Freiburg, Freiburg im Breisgau, Germany

Deadline for manuscript submissions

20 April 2026



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/244298

Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)





Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)



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 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).