Special Issue

Bioinspired Intelligent Algorithms for Optimization, Modeling and Control: Theory and Applications, 2nd Edition

Message from the Guest Editor

This Special Issue aims to highlight recent advances in the development and application of bioinspired intelligent algorithms to solve real-world problems related to optimization, modeling, and control, to provide a space for collaboration between researchers from different disciplines to solve real-world applications with their respective constraints and features in different fields of research. Papers with mathematical analysis and real-world application are particularly welcome. Topics include, but are not limited to:

- Bioinspired intelligent algorithms for modeling;
- Bioinspired intelligent algorithms for control;
- Bioinspired intelligent algorithms for fault detection and diagnosis;
- Bioinspired intelligent algorithms for cyber-physical systems;
- Bioinspired intelligent algorithms for optimization;
- Data-driven bioinspired intelligent algorithms;
- Deep learning bioinspired intelligent algorithms;
- Mathematical analysis of bioinspired intelligent algorithms;
- Bioinspired intelligent algorithms applications to robotics, dynamic systems, complex networks, classification, forecasting, biomedical systems, energy systems, industry, transportation, mechatronics, and others.

Guest Editor

Prof. Dr. Alma Y. Alanis

Centro Universitario de Ciencias Exactas e Ingenierías (CUCEI), University of Guadalajara, Guadalajara 44330, Mexico

Deadline for manuscript submissions

closed (30 September 2024)

Σ

Mathematics

an Open Access Journal by MDPI

**Impact Factor 2.2
CiteScore 4.6**

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).

MDPI