

Special Issue

Mathematical Optimization and Evolutionary Algorithms with Applications

Message from the Guest Editors

This Special Issue invites authors to propose original works regarding the development of specific optimization models and solution tools, either based on mathematical techniques or on evolutionary algorithms, devoted to the treatment of scientific and engineering applications. Particular interest will be given to innovative works focusing on the design of mathematical/computational tools, as well as on specific applications requiring the adaptation and use of optimization techniques. Topics include but are not limited to: -- Novel mathematical programming models; -- New evolutionary operators; -- Constraint handling within evolutionary algorithms; -- Multi-objective and many-objective optimization; -- Hybrid algorithms and metaheuristics; -- Logistics and production systems; -- Operations research; -- Engineering applications; -- Energy systems; -- Finance and economics; -- Management; -- Bioinformatics; -- Machine learning.

Guest Editors

Dr. Antonin Ponsich

Dr. Mariona Vila Bonilla

Dr. Bruno Domenech

Deadline for manuscript submissions

closed (16 December 2022)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/91388

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).