

# Special Issue

## Multi-Objective Evolutionary Algorithms and Their Applications

### Message from the Guest Editor

This Special Issue focuses on advancing theoretical frameworks, algorithmic innovations, and practical applications of multi-objective optimization (MOO). MOO plays a critical role in addressing complex decision-making challenges where multiple conflicting objectives must be balanced, such as in engineering design, finance, energy systems, logistics, and machine learning. We welcome interdisciplinary research bridging MOO with emerging fields like sustainable development, AI-driven optimization, and multi-criteria decision analysis. Topics include, but are not limited to, the following: Pareto optimality analysis, constraint handling, preference articulation, scalability in large-scale systems, and interpretability of solutions. Submissions should emphasize rigorous validation, comparative studies, or applications with measurable societal or industrial benefits. We look forward to your contributions.

---

### Guest Editor

Dr. Yanjie Song

National Engineering Research Center of Maritime Navigation System, Dalian Maritime University, Dalian 116026, China

---

### Deadline for manuscript submissions

30 November 2026



## Mathematics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.6



[mdpi.com/si/241160](https://mdpi.com/si/241160)

*Mathematics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[mathematics@mdpi.com](mailto: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 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).