

Special Issue

Mathematical Programming, Optimization and Applications

Message from the Guest Editor

Mathematical programming and optimization form the cornerstone of decision-making in complex, data-driven systems. These disciplines provide a rigorous framework for modeling real-world problems, developing efficient computational algorithms, and deriving actionable insights. From the foundational theories of linear, nonlinear, and integer programming to the modern advances in robust, stochastic, and large-scale optimization, the field continues to evolve rapidly. This evolution is further accelerated by the increasing complexity of global challenges and the unprecedented availability of data, pushing the boundaries of both theoretical computation and practical application. This Special Issue aims to showcase the latest theoretical breakthroughs, innovative algorithmic developments, and cutting-edge applications of mathematical programming and optimization.

Guest Editor

Dr. Ahmad Hosseini

1. School of Engineering and Management, University of Nova Gorica, 5000 Nova Gorica, Slovenia
2. Centre for Information Technologies and Applied Mathematics, University of Nova Gorica, 5000 Nova Gorica, Slovenia

Deadline for manuscript submissions

30 June 2026



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/257169

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).