

# 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

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## 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.

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### Editor-in-Chief

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### 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).