

Special Issue

Combinatorial Optimization and Algorithms

Message from the Guest Editors

Optimization problems are present in various areas worldwide, and most real-world optimization problems are difficult or impossible to solve via traditional, exact methods due to their computational complexity. As a consequence of the wide range of optimization problems, it is anticipated that this research domain will continue to motivate and attract the attention of the research community and lead to significant progress in the application of methods successfully addressing complex real-life optimization problems. This Special Issue aims to promote and effectively disseminate scientific knowledge, discoveries, research findings and contributions. Authors are encouraged to submit their original manuscripts in order to address (not exclusively) the following topics:

- Combinatorial optimization
- Approximation algorithms
- Computational complexity
- Metaheuristics
- Linear programming
- Nonlinear programming
- Mixed-integer programming
- Evolutionary algorithms
- Multi-objective optimization
- Stochastic optimization
- Optimization problems
- Graph theory.

Guest Editors

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Deadline for manuscript submissions

closed (30 July 2024)



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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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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).