

Special Issue

Operations Research and Optimization

Message from the Guest Editors

Mathematical optimization and related approaches from the operations research field play a significant role in effectively solving complex problems on a wide variety of areas. Although these techniques are frequently associated with operations management, there is a record of successful applications in very different contexts. This Special Issue aims to be a platform to disseminate the recent advances on the field in the most distinct application areas. A non-exhaustive list of topics is as follows:

- Integer linear programming and combinatorial optimization approaches;
- Exact optimization algorithms: branch-and-bound, polyhedral approaches, decomposition-based methods, reformulations;
- Heuristics, meta-heuristics, matheuristics and model-based metaheuristics for integer linear programming and combinatorial optimization;
- Real-world applications in industry and services: operations management, supply chain management, logistics and transportation, scheduling, production management and distribution, warehousing, location, energy, telecommunications, project management, and healthcare;
- Optimization software and decision support systems

Guest Editors

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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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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).