

Special Issue

Optimization Models for Supply Chain, Planning and Scheduling

Message from the Guest Editor

This Special Issue is devoted to recent research, current developments, and applications of mathematical methods applied to supply chain processes (planning and scheduling). This includes the principles and practice of the design, implementation, and analysis of exact and approximate optimization methods. The topics of interest include but are not limited to the following:

- Heuristic and metaheuristic algorithms for planning and scheduling problems in supply chains (manufacturing, scheduling, transportation);
- Exact algorithms (branch and bounds, dynamic programming, etc.);
- Different scheduling and planning applications (timetabling, network routing, crew scheduling, production scheduling, resource-constrained project scheduling, route planning, etc.);
- Energy-efficient or multiobjective planning and scheduling problems;
- Artificial Intelligence and data analytics;
- Literature review articles on the above categories.

Guest Editor

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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 17.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).