

Special Issue

Mathematical Methods and Operation Research in Planning, Scheduling and Supply Chain Operations Management

Message from the Guest Editors

For this Special Issue, we encourage authors to make contributions that highlight the most advanced and innovative ideas addressing operations planning problems. Operations planning can address short-term problems, as well as tactical or strategic decisions. Contributions that manage to add theoretical contributions to the existing body of knowledge are welcome, as are works on applications and study cases where the application of operations research is innovative. Potential topics of OR applications include, but are not limited to:

- Intelligent manufacturing systems;
- Intelligent operations management;
- Data-driven production planning;
- OR methods applied to green manufacturing;
- Machine learning approaches in manufacturing systems operations;
- Operations management;
- Sustainable management;
- Cyber-physical production systems;
- Analytics models and inventory control;
- Production networks;
- Assembly line and production planning;
- Scheduling problems;
- Decision making in supply chain management;
- Digital twin implementations in production environments;
- Closed-loop supply chains.

Guest Editors

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Deadline for manuscript submissions



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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).