

Special Issue

Advances in Mathematical Optimization in Operational Research

Message from the Guest Editors

We are pleased to announce a Special Issue on “Advances in Mathematical Optimization in Operational Research”, to be published in *Mathematics*. This Special Issue aims to provide a platform for researchers, practitioners, and academics to present their latest findings and advancements in the field of mathematical optimization and its applications in operational research. Mathematical optimization has long been a cornerstone of operational research, enabling the efficient allocation of resources, the optimization of complex systems, and the development of robust decision-making processes. With the increasing complexity and interconnectedness of modern systems, the need for innovative optimization techniques and their effective applications have never been more critical. We invite original research articles and reviews on topics related (but not limited) to Optimization in logistics and supply chain management; Transportation and traffic optimization; Manufacturing and production optimization; Real-world applications of operational research; Integration of optimization with other fields such as data science, engineering, and economics.

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 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).