

# Special Issue

## Advances in Mathematical Modelling and Analytics for Supply Chain Management

### Message from the Guest Editor

This Special Issue of *Mathematics*, titled "**Advances in Mathematical Modelling and Analytics for Supply Chain Management**", focuses on applying advanced mathematical programming and optimization techniques to address emerging challenges in sustainable and resilient supply chains. Supply chains today must respond not only to cost-efficiency and service-level objectives but also to sustainability goals outlined by the UN Sustainable Development Goals (SDGs). Thus, there is a growing need for models that integrate economic, environmental, and social dimensions while managing uncertainty, disruption, and operational complexity. We invite high-quality contributions that introduce novel mathematical formulations and optimization algorithms to tackle problems in logistics, green supply chains, inventory systems, network design, and decision-making under uncertainty. We also encourage interdisciplinary submissions that use techniques such as robust and fuzzy optimization, multi-criteria decision analysis, and data envelopment analysis to model trade-offs between efficiency, resilience, and sustainability in real-world supply chain applications.

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### Guest Editor

Dr. Aliasghar Arabmaldar

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### Deadline for manuscript submissions

31 December 2026



## Mathematics

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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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### Editor-in-Chief

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#### High Visibility:

indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

#### Journal Rank:

JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

#### Rapid Publication:

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).