

Special Issue

Data-Driven Algorithms for Optimal Decision Making in Logistics and Supply Chain Management

Message from the Guest Editors

The primary goal of this Special Issue is to curate groundbreaking research on data-driven algorithms and their practical applications in enabling efficient decision-making within logistics and supply chain management. We are encouraging the submission of original papers encompassing a wide array of topics, including, but not limited to:

- Autonomous warehouse systems;
- Big data analytics;
- Consumer behavior modeling and prediction;
- Data-driven sales & operations planning (S&OP);
- Digital supply chain management;
- End-to-end supply chain integration and optimization;
- Intelligent demand forecasting;
- Intelligent manufacturing systems;
- Intelligent transportation systems;
- Inventory track and trace;
- Learning algorithms;
- Mathematical models;
- Predictive maintenance systems;
- Predictive inventory management and optimization;
- Route optimization in transportation and distribution;
- Supplier selection intelligence;
- Sustainable supply chain management.

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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).