

Special Issue

Applications of Operations Research and Decision Making

Message from the Guest Editor

This Special Issue will advance both the theoretical foundations and practical applications of Operations Research (OR) by emphasizing the integration of Optimization Models and Multi-Criteria Decision Analysis (MCDA) with Fuzzy Decision Making Techniques and Optimization Techniques. We invite contributions that explore novel models, algorithms, and hybrid methodologies combining fuzzy MCDA with optimization techniques, artificial intelligence, and data-driven strategies. A non-exhaustive list of topics is as follows:

- Integer linear programming and combinatorial optimization approaches;
- Heuristics, meta-heuristics, matheuristics, and model-based metaheuristics for integer linear programming and combinatorial optimization;
- Multi-Criteria Decision Analysis (MCDA) and Fuzzy Decision Making Techniques;
- Real-world applications in industry and services: operations management, supply chain management, logistics and transportation, scheduling, production management and distribution, warehousing, location, energy, telecommunications, project management, and healthcare;
- Optimization Applications and Decision Support Systems.

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 17.3 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).