Special Issue

Operations Research and Its Applications

Message from the Guest Editors

Operations research applies mathematical and analytical methods to improve decision-making across various domains, such as transportation, logistics, supply chain management, finance, and healthcare. The field often utilizes quantitative models to analyze data and simulate real-world scenarios for optimal decision-making. Regarding this special issue, the topics that can be covered include supply chain optimization and management, transportation planning and logistics, healthcare operations management, revenue management, pricing strategies, risk management, decision-making under uncertainty, data analytics, machine learning applications in operations research, and energy planning. Contributions that report on other applications with real-world case studies are also welcome. All submitted papers will undergo a rigorous review process according to the quality standards of the Mathematics journal. The papers must contain original research, and numerical illustrations should refer to realistic case studies for which data is provided to ensure result replicability. The papers should also contribute novel and noteworthy research relevant to the field's literature.

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Deadline for manuscript submissions

closed (30 September 2024)

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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