Special Issue

Optimization and Mathematical Modelling in Transport and Logistics Network

Message from the Guest Editors

Transport and logistics networks are fundamental to modern economies, facilitating the efficient movement of goods and people across diverse regions. However, these networks face increasing pressure from growing demand, rapid urbanization, and environmental constraints. The need for a green and smart transformation of these systems has been urgent. Achieving this transformation requires addressing the management challenges in the planning, location, and construction of transport infrastructure, as well as optimizing interconnected transport and logistics networks.   Optimization and mathematical modeling offer tools to address these issues, providing innovative solutions for the design, management, and improvement of transport and logistics networks. The aim of this Special Issue is to collect articles with innovative methods and unique perspectives in this field.   We encourage submissions that provide novel insights, real-world applications, or comparative analyses of existing methods. Both theoretical and empirical studies are welcome, as are interdisciplinary works combining mathematics, operations research, and computer science.

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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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