

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.

Guest Editors

Prof. Dr. Libiao Bai

School of Economics and Management, Chang'an University, Xi'an 710064, China

Prof. Dr. Victor Shi

Lazaridis School of Business & Economics, Wilfrid Laurier University, Waterloo, ON N2L 3C5, Canada

Deadline for manuscript submissions

31 August 2025



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/224900

Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)





Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)



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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University,
The Gateway, Leicester LE1 9BH, UK

Author Benefits

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 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).