Special Issue

Applied Operations Research and Optimization Problems in Network Science

Message from the Guest Editor

We invite you to contribute this Special Issue that will explore the intersection of operations research and network sciences, focusing on optimization techniques for analyzing and improving complex networked systems. The Special Issue's scope covers a range of optimization challenges, such as graph-based optimization, network flow models, facility location problems, scheduling in networks, the optimization of signal processing and combinatorial optimization. We particularly welcome studies concerning mathematical programming, heuristics, metaheuristics and math-heuristic algorithms. We encourage researchers from academia and industry to submit original research articles, reviews and case studies that contribute to the advancement of this interdisciplinary field.

Guest Editor

Dr. Pablo Adasme

Electrical Engineering Department, Universidad de Santiago de Chile, Santiago 9170124, Chile

Deadline for manuscript submissions

31 December 2025

Σ

Mathematics

MDPI

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).