

Special Issue

Applied Mathematical Modeling in Supply Chain Networks and Manufacturing Systems

Message from the Guest Editor

Supply chain networks and manufacturing systems have become increasingly complex, interconnected, and data-driven. In such environments, decision-makers must address multiple, often conflicting objectives within uncertain and dynamic conditions. Mathematical optimization and decision analysis have proven to be powerful tools for modeling, analyzing, and improving these systems. In recent years, the integration of techniques has opened new opportunities for solving large-scale, multidisciplinary problems in these domains.

This Special Issue aims to bring together researchers and practitioners to present innovative theoretical developments, methodological advances, and real-world applications of mathematical modeling in supply chains and manufacturing. The topics align with the journal's scope by addressing quantitative modeling, computational optimization, and decision-support tools that can be applied to engineering, operations research, and industrial systems. Contributions that demonstrate the integration of advanced optimization methods with decision analysis tools, or that apply such methods to sustainability and emerging contexts, are especially welcome.

Guest Editor

Dr. Kasin Ransikarbum

Department of Industrial Engineering, Ubonratchathani University,
Ubonratchathani 34190, Thailand

Deadline for manuscript submissions

31 May 2026



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/252199

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).