

## Special Issue

# Fuzzy Decision-Making and Risk Analysis in Transportation and Supply Chain Systems

### Message from the Guest Editor

In today's dynamic and uncertain environment, transportation and supply chain systems face increasing complexity, ambiguity, and risk. Traditional decision-making models often fall short when information is incomplete, conflicting, or rapidly changing. This Special Issue explores how Fuzzy MCDM methods, combined with risk analysis, can offer more flexible, adaptive, and resilient approaches to decision-making. By accommodating subjective judgments, linguistic terms, and vague data, fuzzy logic provides a powerful framework for evaluating alternatives across multiple criteria. When integrated with systematic risk analysis, these methods enable decision-makers to better navigate uncertainty, assess potential impacts, and enhance operational and strategic outcomes. We welcome theoretical, methodological, and applied contributions that demonstrate the value of Fuzzy MCDM and risk-informed strategies in improving performance and resilience across transportation and supply chain systems.

### Guest Editor

Dr. Nitidetch Koohathongsumrit

Department of Statistics, Faculty of Science, Ramkhamhaeng University, 2086, Ramkhamhaeng Road, Huamak, Bangkok, 10240, Thailand

### Deadline for manuscript submissions

30 April 2026



## Mathematics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.6



[mdpi.com/si/244778](https://mdpi.com/si/244778)

*Mathematics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[mathematics@mdpi.com](mailto: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).