

# Special Issue

## Fuzzy Convex Structures and Some Related Topics

### Message from the Guest Editors

Since Zadeh introduced the concept of fuzzy sets, fuzzy set theory has been applied to many research areas, including both of theoretical and applied aspects. In this issue, we will focus on the theory of fuzzy convex structures and its related topics, which combines fuzzy set theory and many theories that are related to convexity theory. From the theoretical aspect, this issue will be referred to fuzzy convex structure, fuzzy topological structure, fuzzy matroid and fuzzy algebra. From the applied aspect, it will concentrate on fuzzy convex optimization, fuzzy game, fuzzy data envelope and fuzzy rough set.

---

### Guest Editors

Prof. Dr. Fu-Gui Shi

School of Mathematics and Statistics, Beijing Institute of Technology,  
Beijing 102488, China

Dr. Bin Pang

School of Mathematics and Statistics, Beijing Institute of Technology,  
Beijing 102488, China

---

### Deadline for manuscript submissions

closed (30 September 2024)



## Mathematics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.6



[mdpi.com/si/110286](https://mdpi.com/si/110286)

*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).