



## Fuzzy Sets and Fuzzy Systems

Guest Editors:

**Dr. Dipak Kumar Jana**

School of Applied Science &  
Humanities, Haldia Institute of  
Technology, Haldia 721657, West  
Bengal, India

**Prof. Dr. Petr Dostál**

Faculty of Business and  
Management, Brno University of  
Technology, 60190 Brno, Czech

Deadline for manuscript  
submissions:

**closed (20 June 2025)**

### Message from the Guest Editors

Over time, the concepts of cost, time, delivery, space, quality, durability, and price began to gain more significance in the emerging trends of information technology when it comes to solving managerial decision-making problems in supply chain models, transportation issues, inventory control issues, etc. Additionally, in uncertain situations, competition is becoming more difficult by the day. In these situations, the demand is either still unmet or remarkably hard to meet in the real-world market. Due to their numeric membership functions, fuzzy sets cannot always represent this uncertainty explicitly. However, it has been discovered that type two random fuzzy, bifuzzy, and fuzzy random sets are more suited to account for intrinsic uncertainty.

We invite both academics and industrial engineering, as well as management professionals, to submit original high-quality articles to this Special Issue addressing novel ideas in the following areas: green supply chains, inventory control issues, transportation issues, and novel information for topics from both theoretical and practical perspectives in fuzzy, random fuzzy, bifuzzy, type two fuzzy, and random environments.





## Editor-in-Chief

### **Prof. Dr. Francisco Chiclana**

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

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

**Journal Rank:** JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

## Contact Us

---

*Mathematics* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/mathematics](http://mdpi.com/journal/mathematics)  
[mathematics@mdpi.com](mailto:mathematics@mdpi.com)  
[X@MathematicsMDPI](https://twitter.com/MathematicsMDPI)