



Advanced Research in Fuzzy Systems and Artificial Intelligence

Guest Editors:

Dr. Alexey Filippov

Department of Information
Systems, Ulyanovsk State
Technical University, 32 Severny
Venetz Street, 432027 Ulyanovsk,
Russia

Prof. Dr. Vilém Novák

Institute for Research and
Applications of Fuzzy Modeling,
University of Ostrava, 30. dubna
22, 702 00 Ostrava, Czech
Republic

Dr. Anton Romanov

Department of Information
Systems, Ulyanovsk State
Technical University, 32 Severny
Venetz Street, 432027 Ulyanovsk,
Russia

Deadline for manuscript
submissions:

30 June 2024

Message from the Guest Editors

Zadeh introduced fuzzy set theory in 1965, and many researchers have developed improved fuzzy methods to use in various fields of artificial intelligence, such as fuzzy control and multi-criteria decision making.

The goal of this Special Issue is to attract the latest results from researchers working on theoretical advances in fuzzy sets, fuzzy systems, and decision making and the corresponding industry applications.

In this Special Issue, we encourage submissions providing new results in the setting of fuzzy systems and their applications in the artificial intelligence field. Potential topics include, but are not limited to, the next keywords.

- mathematics of fuzzy sets and their extensions fuzzy sets;
- type-1 fuzzy and/or type-2 logic/models/applications;
- fuzzy control;
- fuzzy neural systems;
- genetic fuzzy systems;
- fuzzy modeling/Intelligent data analysis;
- fuzzy database mining and forecasting;
- aggregation operators of uncertain information;
- computational intelligence/learning.





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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

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