Special Issue

Advanced Research in Fuzzy Systems and Artificial Intelligence

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.

Guest Editors

Dr. Alexey Filippov
Prof. Dr. Vilém Novák
Dr. Anton Romanov

Deadline for manuscript submissions

closed (30 June 2024)

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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

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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).

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