Special Issue

Advances in Fuzzy Logic and Artificial Neural Networks, 2nd Edition

Message from the Guest Editor

Fuzzy logic and artificial neural networks are among the most used artificial intelligence approaches for solving problems involving decision making, pattern classification, functional approximation, and image processing, among other things. We invite researchers to contribute original articles that present new theoretical and practical developments on neural networks, fuzzy logic, and their recent extensions. Studies that propose new methods, theoretical advances, comparative analyses, and innovative applications in various fields will be accepted. Survey articles on current trends related to these methods are also welcome. Advanced fuzzy theory applications may involve hesitant fuzzy sets and their extensions, fuzzy 2-tuple, and spherical fuzzy sets, among other things. The scope of this Special Issue also includes studies involving advanced and hybrid neural networks, such as deep neural networks, probabilistic neural networks, neuro-fuzzy systems, fuzzy ART, and fuzzy ARTMAP neural networks.

Guest Editor

Prof. Dr. Francisco Rodrigues Lima-Junior

Department of Management and Economics, Federal Technological University of Paraná, Curitiba 80230-901, Brazil

Deadline for manuscript submissions

31 August 2025

Σ

Mathematics

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.6

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).