Special Issue

New Approaches to Data Analysis and Data Analytics

Message from the Guest Editors

For this Special Issue, we invite submissions on novel and hybrid mathematical models and methods of data analysis and data analytics, including the following data types and models:

- Subjective, linguistic, qualitative, categorical, fuzzy, probabilistic, interval, structured, and other data types;
- Similarity, dissimilarity, association, correlation, preference, dependence, and causality relationship measures and functions;
- Fuzzy similarity relations, ultrametrics, and partial ordering in clustering and data structure analysis;
- Visualization, explanation, and interpretation of data structures and relationships;
- Negation, involution, reflection operations, bipolarity, and data symmetry;
- Data transformation and data aggregation;
- Fuzzy distribution sets and subjective distributions of membership, probability, weight, and importance;
- Negation, union, intersection and aggregation of subjective probability and weight distributions;
- Divergence, entropy, and uncertainty measures;
- Applications to business analytics.

Rapid Publication: average 40 days from submission to publication.

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Deadline for manuscript submissions

1 April 2025

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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.

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