Special Issue

Uncertainty Quantification Techniques in Statistics, Machine Learning and FinTech

Message from the Guest Editor

Uncertainty Quantification (UQ) is a mainstream research topic in applied mathematics and statistics. To identify UQ problems, diverse modern techniques for large and complex data analysis have..... To promote these modern data analysis methods in biology, economics, environmental studies, finance, mathematics, operational research, science, and statistics, a Special Issue of *Mathematics* (ISSN 2227-7390), the Science Citation Index Expanded (SCIE) Journal, will be devoted to "Uncertainty Quantification Techniques in Statistics, Machine Learning and FinTech". **Keywords**

- Artificial intelligence
- Bayesian statistics
- Bioinformatics
- Biostatics
- Blockchain
- Big data
- Change-point detection
- Computer model
- Cryptocurrencies
- Cyber security
- Data analytics
- Data mining
- Deep learning
- Electronic data interchange (EDI)
- e-Learning
- Expert systems
- Financial time series
- Functional data analysis
- Fuzzy logic
- Internet security
- Internet of things
- Machine learning
- Mobile applications
- Mobile learning
- Neural networks
- Quality control
- Security
- Sentiment analysis
- Spatial statistics
- Support vector machines

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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Author Benefits

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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).