

# Special Issue

## Probability, Stochastic Processes and Machine Learning

### Message from the Guest Editors

This Special Issue on "Probability, Stochastic Processes and Machine Learning" aims to discuss the advances at the intersection of probability theory, stochastic processes, machine learning, and their real-world applications. As machine learning has been successfully applied to an increasing number of fields, new challenges arise from applying traditional machine learning approaches to new data structures, such as images, stochastic processes, and high-dimensional signals. This issue aims to collect high-quality research works on the discussion of machine learning on high-dimensional datasets, or datasets which are indexed by time. Both methodologies and successful real-world applications will be appreciated.

*Assistant*

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### Guest Editors

Dr. Qidi Peng

Prof. Dr. Sunil Kumar

Dr. Yu Bai

Dr. Chengcheng Zhang

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### Deadline for manuscript submissions

closed (15 February 2025)



## Mathematics

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Impact Factor 2.2  
CiteScore 4.6



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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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### Editor-in-Chief

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indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

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#### 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).