Special Issue

Advances of Applied Probability and Statistics

Message from the Guest Editors

The issue features a collection of articles written by
experts in the field, covering a range of topics such as
Bayesian inference, machine learning, causal inference,
dimensionality reduction, and much more. Applications
of new techniques to interesting real-world problems will
also be considered. The articles should address the
unique challenges posed by big data and demonstrate
the impact that these methods are having on fields such
as biology, finance, and social sciences. This Special
Issue also provides a forum for researchers to share
their perspectives on the current state of the field and to
discuss the future direction of statistics and probability
in the big data era. The articles highlight the important
role that these disciplines play in making sense of the
vast amounts of data generated by modern
technologies and provide insights into the opportunities
and challenges that lie ahead. Overall, this Special Issue
of the journal provides an invaluable resource for
researchers, students, and practitioners interested in
staying up to date with the latest advances in the field of
statistics and probability in the context of the big data
era.

Guest Editors

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Deadline for manuscript submissions

30 November 2025

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

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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).

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