Special Issue

Stochastic Processes and Statistical Analysis

Message from the Guest Editor

This Special Issue focuses on recent advances in stochastic processes and their role in modern statistical analysis. It brings together theoretical developments, methodological innovations, and practical applications involving random phenomena, uncertainty modeling, and data-driven inference. Topics include stochastic modeling, estimation and inference for stochastic systems, time series and spatial processes, stochastic differential equations, and applications across science, engineering, finance, and the social sciences. The aim is to highlight the interplay between probability theory and statistical methods, fostering new insights and interdisciplinary research.

Guest Editor

Dr. Tiandong Wang
Shanghai Center for Mathematical Sciences, Fudan University, Shanghai 200433, China

Deadline for manuscript submissions

20 September 2026

Mathematics

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.6

mdpi.com/si/265860

Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

mdpi.com/journal/mathematics

Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6

mdpi.com/journal/
mathematics

MDPI

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).