

Special Issue

New Advances in Applied Probability and Stochastic Processes

Message from the Guest Editor

For this Special Issue, we seek original, previously unpublished research papers of high quality in the field of applied probability and stochastic processes. Contributions on relevant aspects of current topics in the general theory of probability and stochastic processes are welcome, as are those dealing specifically with the modelling of uncertainty, imprecise probabilities, or fuzzy probabilities. Contributions dealing with the application of the theories of probability and stochastic processes to the solution of real-world problems are particularly welcome. **Keywords**

- applied probability
- Markov processes
- stochastic analysis
- copulas
- imprecise probabilities
- fuzzy probability
- risk modelling
- uncertainty
- reliability
- numerical methods in probability
- probabilistic optimization
- probability in finance

Guest Editor

Dr. Damjan Škulj

Faculty of Social Sciences, University of Ljubljana, Kardeljeva pl. 5, SI-1000 Ljubljana, Slovenia

Deadline for manuscript submissions

closed (31 May 2024)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/149692

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

[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)





Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)



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).