

Special Issue

Probability Distributions and Their Applications

Message from the Guest Editor

probability distributions have enjoyed renewed interest in recent years, with many papers and book chapters (and even a special journal) dedicated to this topic. Probability distributions serve as mathematical models in many branches of science, such as economics, insurance, reliability theory, biology, linguistics, sociology, etc. Their analysis (derivation of their properties, parameter estimations, interrelations such as special cases, generalizations or limit cases) is therefore important in different areas of science, humanities, and engineering. In mathematical statistics, distributions of test statistics are of great importance. In this Special Issue, we are inviting high-quality research papers focused either on theoretical aspects of probability distributions or on their applications. Scientists can contribute original research articles as well as review articles.

Guest Editor

Prof. Dr. Jan Macutek

Mathematical Institute, Slovak Academy of Sciences, Štefánikova 49,
814 73 Bratislava, Slovakia

Deadline for manuscript submissions

closed (20 July 2023)



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

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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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University,
The Gateway, Leicester LE1 9BH, UK

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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).