Special Issue

Probability, Stochastic Processes and Optimization

Message from the Guest Editors

In applied research, Probability Theory is usually regarded as a distant, often neglected relative of Statistics. We try to rectify this misconception by publishing papers underlying new applications and original models for real-world problems, from either natural, computer or social sciences that are based on Probability and Stochastic Processes. The suggested, yet not restrictive, topics include the following:

- Optimization;
- Cellular automata;
- Bayes analysis;
- Markov processes and related topics;
- Hidden Markov processes;
- Applications of stochastic processes in Economics, Finance, Social Sciences, etc.;
- Stochastic modeling;
- Measures of divergence and entropy;
- Clustering;
- Monte Carlo simulations.

Guest Editors

Prof. Dr. Alexandru Agapie

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Deadline for manuscript submissions

closed (31 May 2023)

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).