Special Issue

Stochastic Models with Applications

Message from the Guest Editor

You are kindly invited to contribute to this Special Issue on “Stochastic Models with Applications” with an original research article or comprehensive review. The focus is mainly on theoretical results and applications of stochastic models aiming to describe systems subject to random perturbations. Stochastic models are ubiquitous in science today, but sometimes they are built under strong assumptions that may limit their use in applications. Here, novel models based on non-classical assumptions are especially appreciated. We look for research based on rigorous mathematical approaches and algorithmic, statistical, and computational methods, with a view to applications related to complex systems and challenging research areas (such as biology and medicine, computer science, economics and finance, epidemiology, information theory, queuing, reliability, statistical physics, and theoretical neurobiology).

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2021)

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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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