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Stochastic Models with Applications

Guest Editor:

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Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editor

Dear Colleagues,

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).

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Message from the Editor-in-Chief

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