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Advances in Stochastic Modelling

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Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editor

Dear Colleagues,

We have the pleasure to invite you to submit a paper to the Special Issue entitled “Advances in Stochastic modelling”, which will be published in the MDPI journal *Axioms*. Stochastic modelling generally refers to the mathematical representation of systems or processes characterized by random evolution. The possibility of using specific mathematical tools in order to quantify the dynamic relationship of sequences of random events can play an important role in interpreting a wide set of problems. It is a general and versatile tool that allows combining mathematics with neural learning, bioinformatics, finance, statistics and applied probability, etc.For this Special Issue, we welcome the submission of research studies and possibly reviews related to any stochastic model. The scope of topics includes, but is not limited to, the following: probability; statistics; linear algebra; calculus; measure theory; topology Fourier analysis; functional analysis; Markov, Lévy, and Martingale processes; simulation methods for stochastic models (Monte Carlo); and applications in life sciences, social sciences, and finance.

Dr. Ilaria Cacciari
Guest Editor