

Special Issue

The Impact of Stochastic Perturbations

Message from the Guest Editor

Dear Colleague, The influence of stochastic perturbations in various systems plays a very important role, so many works are devoted to their study. It should be noted that this influence in different situations can have fundamentally different characteristics: stochastic perturbations can both disrupt the stable behaviour of a system and stabilize a system in the case of its unstable behaviour. The aim of this Special Issue is to attract the attention of researchers both to the development of known mathematical models under stochastic perturbations and to the construction of new mathematical models of this type in various applied problems.

Guest Editor

Prof. Dr. Leonid Shaikhet
Department of Mathematics, Ariel University, Ariel 40700, Israel

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

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Message from the Editor-in-Chief

Mathematics permeates all kinds of academic worlds and is a fountain flowing with innovative development. The journal *AppliedMath*, publishing high-quality refereed papers discussing various aspects of applied mathematics, is dedicated to promoting the integration of mathematics with applied disciplines to cultivate a profitable frontier of mathematics. The journal highlights articles devoted to the mathematical treatment of questions and phenomena arising in physics, chemistry, biology, medicine, pharmacy, engineering, information science, social sciences, and humanities. One of the missions of this journal is to serve scientists by quickly announcing the seeds of significant mathematical breakthroughs in science and technology.

Editor-in-Chief

Prof. Dr. Takayuki Hibi

Department of Pure and Applied Mathematics, Graduate School of Information Science and Technology, Osaka University, 1-5 Yamadaoka, Suita 565-0871, Osaka, Japan

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