

Special Issue

Dynamics under Uncertainty: Modeling Simulation and Complexity

Message from the Guest Editors

The dynamics of systems have proven to be very powerful tools in understanding the behavior of the different natural phenomena throughout the last two centuries. However, the attributes of natural systems are observed to deviate from their classical state due to the effect of different types of uncertainties. Actually, randomness and impreciseness are the two major sources of uncertainties in natural systems.

Randomness is modeled by different stochastic processes and impreciseness could be modeled by fuzzy sets, rough sets, Dempster–Shafer theory, etc. The Special Issue will collect high-quality papers addressing uncertain dynamics, their modeling and simulation. Submitted papers should not have been previously published or be currently under consideration for publication elsewhere. We invite authors to submit original research articles that propose novel modeling and simulation of uncertain complex systems in various fields of natural science.

Guest Editors

Dr. Dragan Pamucar

Dr. Dragan Zoran Marinkovic

Prof. Dr. Samarjit Kar

Deadline for manuscript submissions

closed (31 December 2020)



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

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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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University,
The Gateway, Leicester LE1 9BH, UK

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).