

Special Issue

Fractional Diffusion, Multistability and Control in Complex Systems

Message from the Guest Editor

There is a significant amount of research exploring reaction–diffusion models related to biological pattern formation. The practical use of reaction–diffusion models has increased remarkably in recent decades. The mechanochemical theory of biological pattern and form has played an important role in furthering our understanding of biology. Models and their biological predictions have become a stimulant for guiding critical experiments that can result in significant discoveries. This, naturally, should be the aim of any mathematical biology modeling. Spatial patterns are very complex in nature, and can play a significant role on the stability, as well as spatio-temporal behavior, of the population dynamical system because of the interactions between the species and the natural environment.

This Special Issue aims to focus on fractional diffusion, multistability and control in complex systems. Related topics, such as general mathematics analysis, Turing instability, bifurcation theory, complexity, control theory, mathematical modelling, numerical and computational methods, etc., will be considered for publication.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Fractal and Fractional (*Fractal Fract.*) is a scholarly online journal which provides a forum for discussion on new original models and methods in fractals and fractional calculus both from theory and applications. It is a peer-reviewed, open access journal that publishes high quality original research articles, review papers and short communications.

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