Special Issue

Anomalous and Non-ergodic Dynamics: Modelling, Analysis, and Simulation

Message from the Guest Editors

The aim of this Special Issue is to collect original and high-quality contributions related to the recent advances in anomalous and non-ergodic dynamics as well as efficient numerical methods to simulate the related mathematical models. Topics that are invited for submission include (but are not limited to):

- Anomalous diffusion process;
- Non-ergodic fractional dynamical systems;
- Nonlocal and Fractional mathematical models;
- Applications of fractional differential models for biology;
- Stochastic differential equations with non-Gaussian noises;
- Fractional stochastic differential equations;
- Integral equations with fractional calculus;
- Numerical methods for fractional differential equations;
- Numerical methods for nonlocal differential equations;
- Nonlocal and fractional order mathematical models for COVID-19;
- Analytical methods for fractional differential equations.

Guest Editors

Dr. Minghua Chen

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Dr. Yajing Li

Dr. Lijing Zhao

Deadline for manuscript submissions

closed (20 November 2021)

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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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Author Benefits

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).