

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

Prof. Dr. Hossein Jafari

Dr. Can Li

Dr. Yajing Li

Dr. Lijing Zhao

Deadline for manuscript submissions

closed (20 November 2021)



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Fractal and Fractional
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fractalfract@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Carlo Cattani

Engineering School (DEIM), University of Tuscia, Largo dell'Università,
01100 Viterbo, Italy

Author Benefits

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CiteScore - Q1 (Analysis)

Rapid Publication:

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).