# Special Issue

## Advances in Fractional Modeling and Computation, Second Edition

### Message from the Guest Editors

The focus of this Special Issue is the development and advancement of models using fractional differential equations and processes. We welcome original and review papers on theory, computational and Monte Carlo methods, and practical applications of fractional models in physics, chemistry, biology, engineering, economics, probability, and statistics. Topics that are invited for submission include (but are not limited to) the following:

- Fractional models in natural sciences;
- Fractional models in economics and engineering;
- Numerical algorithms and discretization;
- Fractional differential systems with control theory;
- Fractional dynamic systems;
- Analysis of fractional models;
- Stochastic methods for fractional models;
- Monte Carlo methods;
- Markov chains and processes;
- Stochastic modeling and simulation;
- Related fractional models.

### Guest Editors

Prof. Dr. Jordan Hristov

Dr. Slavi Georgiev

Dr. Yuri Mitkov Dimitrov

Dr. Venelin Todorov

### Deadline for manuscript submissions

28 February 2026

# Fractal and Fractional

# 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

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## Author Benefits

### High Visibility:
indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

### Journal Rank:
JCR - Q1 (Mathematics, Interdisciplinary Applications) / 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).

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