

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

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Dr. Slavi Georgiev

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Dr. Venelin Todorov

Deadline for manuscript submissions

15 January 2027



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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

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Author Benefits

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).