

Special Issue

Mathematical and Numerical Analysis of Fractional Evolution Equations and Applications

Message from the Guest Editors

In recent years, there has been significant interest in the application of fractional equations in mathematics and physics. In particular, many classical models have been reformulated in terms of fractional methods. In this Special Issue, we focus on both theoretical and numerical methods for solving fractional evolution equations. Mathematical models that involve fractional derivatives in both space and time, in addition to distributed parameter systems, are within the scope of this Special Issue. The following methods also fall within the scope of this Special Issue:

- Orthogonal collocation method
- B-spline collocation methods
- Orthogonal collocation on finite elements
- Pseudo-spectral collocation methods
- Sinc collocation methods
- Differential quadrature methods
- Wavelet collocation methods
- Analytic methods
- Compact finite differences

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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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CiteScore - Q1 (Analysis)

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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).