Special Issue

Applications of Finite Element Methods for Solving Fractional Partial Differential Equations

Message from the Guest Editors

This Special Issue will provide a platform for recent and original research results on efficient numerical methods for solving FPDEs. We invite authors to contribute original research articles for this Special Issue, "**Applications of Finite Element Methods for Solving Fractional Partial Differential Equations**". The following potential topics include, but are not limited to:

- Finite element methods;
- Other methods: finite difference, finite volume, and spectral methods;
- Nonuniform and adaptive discretizations;
- Adaptive space–time methods;
- Numerical treatments of integro-differential equations;
- Parallel-in-time methods;
- Fast matrix computations arising from numerical methods of FPDEs;
- Nonlocal modeling and computation;
- Convolution quadrature;
- Modeling and simulations involving (fractional) PDEs;
- Structure-preserving algorithms for FPDEs.

Guest Editors

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Deadline for manuscript submissions

closed (20 August 2024)

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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 19.9 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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