

Special Issue

Recent Computational Methods for Fractal and Fractional Nonlinear Partial Differential Equations

Message from the Guest Editors

Fractal and fractional NPDEs are derivatives and extensions of traditional nonlinear integer order differential equations, and their properties are more complex than traditional nonlinear integer order equations. In recent years, the exact solutions of the NPDEs have been a focus of research. This special issue, therefore, calls for the submission of high-quality research papers with an emphasis on the latest developments of the computational methods for fractal and fractional NPDEs. Topics include, but are not limited to, the following:

- Methods for the fractal and fractional nonlinear partial differential equations;
- Fractal and fractional partial differential equations in physics;
- Advanced theory of fractal and fractional calculus;
- Fractal variational principle;
- Fractal and fractional soliton solutions;
- Travelling wave solutions;
- Chaotic behaviors of the fractal and fractional partial differential equations;
- Two-scale transform.

Guest Editors

Dr. Kang-Jia Wang

School of Physics and Electronic Information Engineering; Henan Polytechnic University, Jiaozuo 454003, China

Prof. Dr. Inés Tejado

Industrial Engineering School, University of Extremadura, 06006 Badajoz, Spain

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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

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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).