

## Special Issue

# Fractional Differential Equations: Computation and Modelling with Applications

### Message from the Guest Editors

Nowadays, many researchers from various fields have become interested in the topic of fractional calculus based on integrals and derivatives of fractional order. It has numerous applications in the widespread field of science and engineering, including wave and fluid dynamics, mathematical biology, financial systems, structural dynamics, robotics, artificial intelligence, etc. Since fractional differential equations are used to model real-life problems, many mathematical methods (numerical/analytical/exact) are being developed to obtain the solutions to fractional differential equations/models/systems. In this Special Issue, we invite review and original research papers dealing with recent developments in fractional calculus along with all theoretical/analytical/numerical, as well as practical developments in various science and engineering, including mathematics and physics.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 February 2025)



## Fractal and Fractional

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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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### Editor-in-Chief

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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

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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).