

## Special Issue

# Fractional Derivatives in Mathematical Modeling and Applications

### Message from the Guest Editors

We welcome submissions presenting research on methods for solving fractional differential equations, fractional integro-differential equations, and systems of equations incorporating fractional derivatives. Moreover, this Special Issue also covers optimization problems arising in models that include fractional derivatives. Additionally, we highly value contributions that propose mathematical models based on fractional derivatives to describe phenomena occurring in nature, physics, technology, and engineering.

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### Guest Editors

Prof. Dr. Damian Słota

Dr. Rafal Brociek

Prof. Dr. Edyta Hetmaniok

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### Deadline for manuscript submissions

31 March 2026



# Fractal and Fractional

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an Open Access Journal  
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Impact Factor 3.3  
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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

Prof. Dr. Carlo Cattani

Engineering School (DEIM), University of Tuscany, Largo dell'Università, 01100 Viterbo, Italy

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### Author Benefits

#### High Visibility:

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

#### Journal Rank:

JCR - Q1 (Mathematics, Interdisciplinary Applications) /  
CiteScore - Q1 (Analysis)

#### 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).

