

## Special Issue

# Fractional Calculus and Nonlinear Analysis: Theory and Applications

### Message from the Guest Editors

This Special Issue will pay more attention to the new originality and real-world applications of fractional calculus and nonlinear analysis. We cordially and earnestly invite researchers to contribute their original and high-quality research papers that will inspire advances in fractional calculus, nonlinear analysis and their applications. Potential topics include but are not limited to:

- Boundary value problems of fractional differential equations;
- Singular and impulsive fractional differential and integral equations;
- Fractional complicated systems;
- Fractional operators and their applications;
- Modeling biological phenomena;
- Non-locality in epidemic models and memory effects;
- Nonlinear functional analysis;
- Nonlinear dynamics and chaos;
- Fixed-point theory and its applications;
- Critical point theory;
- Optimization;
- Convex analysis.

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### Guest Editors

Prof. Dr. Wei-Shih Du  
Prof. Dr. Marko Kostić  
Prof. Dr. Daniel Velinov

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### Deadline for manuscript submissions

31 July 2026



## Fractal and Fractional

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*Fractal and Fractional*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[fractalfract@mdpi.com](mailto: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.

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### Editor-in-Chief

Prof. Dr. Carlo Cattani

Engineering School (DEIM), University of Tuscia, 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).