

## Special Issue

# Control, Optimization, and Artificial Intelligence Methods Involving Fractals and Fractional Calculus

### Message from the Guest Editors

This Special Issue explores emerging research at the intersection of control, optimization, and artificial intelligence (AI) methods involving fractals and fractional calculus. Fractals, with their self-similarity and recursive complexity, provide a powerful framework for modeling nonlinear and scale-variant behaviors. When integrated with modern AI and optimization strategies, they offer promising advancements in both theory and practical implementations.

---

### Guest Editors

Dr. Jae Hoon Jeong

Dr. Duarte Valério

Dr. Sachin Sakthi Kuppusami Sakthivel

---

### Deadline for manuscript submissions

20 February 2026



## Fractal and Fractional

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.0



[mdpi.com/si/243858](https://mdpi.com/si/243858)

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

[mdpi.com/journal/  
fractalfract](https://mdpi.com/journal/fractalfract)





# Fractal and Fractional

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.0



[mdpi.com/journal/  
fractalfract](https://mdpi.com/journal/fractalfract)



## 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

---

### 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 19.9 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).