

Special Issue

Harmonic and Geometric Analysis for Fractional Equations

Message from the Guest Editors

The interplay between Harmonic Analysis, Geometric Analysis, and Fractional Equations has led to remarkable advancements in understanding the behavior of solutions of fractional models. For example, Harmonic Analysis is pivotal in studying Fractional Differential Equations involving operators that can be expressed as singular integrals. It enables the extraction of key properties of these operators, leading to a better understanding of the underlying problem. On the other hand, Geometric Analysis contributes to several relevant problems involving curvature- minimal surfaces and non-local geometric flows, providing essential tools for understanding their structural and analytical properties. These areas provide essential tools for studying the properties of fractional operators, regularity estimates, and relevant geometric information in fractional differential problems.

This Special Volume aims to present recent developments in harmonic and geometric analysis techniques applied to fractional equations, focusing on new approaches to addressing fundamental challenges in fractional problems.

Guest Editors

Dr. Leandro Tavares

Center for Mathematics, Computation and Cognition, Federal University of ABC, Santo André 09280-560, SP, Brazil

Dr. Alessio Fiscella

Departamento de Matemática, IMECC, Universidade Estadual de Campinas, Rua Sérgio Buarque de Holanda 651, Campinas 13083-859, SP, Brazil

Deadline for manuscript submissions

30 November 2026



Fractal and Fractional

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.0



mdpi.com/si/236239

Fractal and Fractional
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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 19.3 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).