Special Issue

New Advances and Applications of Fractional Oscillate System

Message from the Guest Editor

This Special Issue provides a platform for showcasing the latest research findings and applications in the field of fractional oscillate systems; fostering a deeper understanding and appreciation of fractional oscillate systems and highlighting their significance and potential impact in various domains; and facilitating exchange and collaboration between academia and industry to accelerate the practical applications and technological innovations of fractional oscillate systems. The scope of this Special Issue includes (but is not limited to):

- New theoretical analysis and modeling approaches for fractional-order oscillate systems.
- New numerical simulation and computational methods for fractional-order oscillate systems.
- Dynamics and stability analysis of fractional-order oscillate systems.
- Applications of fractional-order oscillate systems in control and optimization, in signal processing, in biomedical engineering, in materials science, in engineering, in economics, and so on.

Guest Editor

Prof. Dr. Liang Wang

School of Mathematics and Statistics, Northwestern Polytechnical University, Xi'an 710129, China

Deadline for manuscript submissions

closed (31 March 2025)

MDPI

Fractal and Fractional

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).

MDPI