

Special Issue

New Developments in Tracking and Stabilization of Fractional-Order Systems

Message from the Guest Editors

The study of fractional-order systems has garnered significant attention due to their ability to provide more accurate descriptions of many real-world systems. The applications of fractional-order systems can be found in several areas such as signal processing, biomedical systems, signal processing, and so on. Fractional-order systems and control have become an area of active research and attention due to their potential to provide more accurate modeling and control solutions for various complex processes. The key objective of this Special Issue is to compile a collection of articles that illustrate new developments and findings in the stabilization and tracking control of fractional-order systems. In this Special Issue, significant attention will be dedicated to discovering novel approaches, highlighting notable innovations in both the theoretical foundations and practical applications of fractional-order systems.

Guest Editors

Dr. Sakthivel Ramalingam

School of Computer Science and Engineering, Vellore Institute of Technology, Chennai 600127, Tamil Nadu, India

Dr. Parivallal Arumugam

Department of Mathematics, SRM Institute of Science and Technology, Chennai 603203, Tamil Nadu, India

Deadline for manuscript submissions

15 September 2025



Fractal and Fractional

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.0



mdpi.com/si/188736

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://fractalfract.com)





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).