## **Special Issue**

### Analysis and Modeling of Fractional-Order Dynamical Networks

### Message from the Guest Editors

In recent years, fractional-order systems have received extensive attention. Certain kinds of fractional-order dynamical networks have been investigated and achieved many outstanding results, such as fractionalorder neural networks, fractional-order gene regulatory networks, fractional-order multi-agent systems, etc. In this Special Issue, we invite review and original research papers dealing with recent developments in the analysis and modeling of fractional-order dynamical networks, as well as practical developments in various science and engineering fields, including mathematics and physics, This Special Issue will focus on, but not be limited to, the following: (1) Fractional-order neural networks; (2) Fractional-order gene regulatory networks; (3) Fractional-order dynamical networks; (4) Fractionalorder multi-agent systems; (5) Coupled fractional-order systems; (6) Synchronization control of fractional-order systems; (6) Mathematical modeling of fractional complex systems; (7) Heterogeneous networks.

### **Guest Editors**

Dr. Wang Fei School of Mathematical Science, Qufu Normal University, Qufu 273165, China

Dr. Feifei Du College of Science, Northwest A&F University, Xianyang 712100, China

### Deadline for manuscript submissions

14 November 2025



an Open Access Journal by MDPI

#### Impact Factor 3.3 CiteScore 6.0



mdpi.com/si/190229

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

mdpi.com/journal/ fractalfract



# Fractal and Fractional

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 6.0





### 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 peerreviewed, 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).