

Special Issue

Advances in Dynamics and Control of Fractional-Order Systems

Message from the Guest Editor

The focus of this Special Issue is to continue to advance research on topics relating to the modeling, dynamic analysis, control, and application of fractional-order systems. Topics that are invited for submission include (but are not limited to) the following:

- Resonance, bifurcation, and chaotic behavior in fractional-order systems;
- Resonance analysis and stability analysis of fractional-order systems;
- Nonlinear dynamics of fractional-order systems;
- Uncertain fractional-order system;
- Adaptive control of fractional-order systems;
- Backstepping control of fractional-order systems;
- Model predictive control for fractional-order systems;
- Intelligent control of fractional-order systems;
- Fractional-order optimization;
- System identification for fractional-order models.

Guest Editor

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Deadline for manuscript submissions

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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.

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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).