

Special Issue

Modeling, Simulation and Applications of Fractal/Fractional Calculus to Engineering Materials

Message from the Guest Editors

This Special Issue seeks to showcase cutting-edge advancements in constitutive modeling through fractal and fractional calculus, along with their engineering applications. We invite high-quality contributions across various formats, including review articles, original research papers, and technical notes. Relevant topics encompass, but are not limited to, the following:

- Constitutive modeling based on fractal/fractional calculus;
- Theoretical developments in generalized fractional/fractal operators;
- Advanced numerical algorithms for fractional differential equations;
- Multiscale modeling applications of fractal/fractional approaches;
- Applications of fractional models in dynamic analyses;
- Application AI to fractional/fractal systems.

Guest Editors

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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.

Editor-in-Chief

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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).