

Special Issue

Fractal Mechanics of Engineering Materials, 2nd Edition

Message from the Guest Editors

This Special Issue aims to present the state-of-the-art research methodologies and outcomes in **fractal approaches for engineering materials**. First volume published **8** papers. We continue inviting authors to submit quality review papers, research articles, and technical notes addressing the fractal aspects of engineering materials and related issues. Research topics are described by, but not limited to, the following keywords:

- Materials: metals and alloys, geomaterials (rocks, aggregates), polymers, composites, nanomaterials, ceramics, functionally graded materials (FGMs), interfaces, modified surfaces, etc
- Continuum mechanics
- Fracture mechanics: LEFM, EPFM
- Fatigue and fatigue crack growth
- Damage mechanics
- Experimental mechanics: DIC, SEM, optical microscopy
- Fractal analysis: theoretical development, image analysis, algorithms
- Fractal dimension
- Fractional fractal dimension
- Computational method: FEA, BEM, numerical prediction

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2026)



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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 19.3 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).