

Special Issue

Fractal and Fractional in Cement-based Materials

Message from the Guest Editors

This Special Issue aims at demonstrating the state of the art in fractal-based approaches implemented in cement-based materials. We invite you to submit comprehensive review papers and original articles. This issue will cover topics of interest that include, but are not limited to, the following topics:

- Fractal characterization of construction materials from the viewpoint of multi-scales;
- Fractals combined with other theoretical, numerical and/or experimental methods, in the evaluation of mechanical performance/durability of cement-based materials;
- Fractal approach to study the evolution of pore structure of hydrating cement-based materials;
- Fractal approach to study the evolution of solid phase of hydrating cement-based materials;
- Other fractal-based approaches in construction materials.

Authors are welcome to contact the () to discuss ideas and suggest topics of interest relating to this Special Issue.

Guest Editors

Dr. Shengwen Tang

Prof. Dr. Giorgio Pia

Dr. E Chen

Deadline for manuscript submissions

closed (31 January 2022)



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Impact Factor 3.3
CiteScore 6.0



mdpi.com/si/72893

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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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Author Benefits

High Visibility:

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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).