

## 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.

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### Guest Editors

Dr. Shengwen Tang  
Prof. Dr. Giorgio Pia  
Dr. E Chen

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### Deadline for manuscript submissions

closed (31 January 2022)



## Fractal and Fractional

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

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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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### Editor-in-Chief

Prof. Dr. Carlo Cattani

Engineering School (DEIM), University of Tuscia, Largo dell'Università,  
01100 Viterbo, Italy

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### 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).