

## Special Issue

# Fractal Analysis and Fractal Dimension in Materials Chemistry

### Message from the Guest Editors

After B.B.Mandelbrot published his works regarding fractals, defining them as objects with a peculiar geometry and characterized by fractional exponents, a lot of studies have emerged in the scientific literature. Applications were developed in engineering (fractal antennas), physics and chemistry (heterogeneous catalysis, adsorption, chemical reactions and light scattering on fractal surfaces), computer science (iterative algorithms for image compression) and even in literature of geography. The aim of this Special Issue is to present the state-of-the-art applications of the fractal theory in materials chemistry.

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### Guest Editors

Dr. Gianina Dobrescu

Dr. Florica Papa

Dr. Razvan State

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### Deadline for manuscript submissions

closed (15 April 2024)



## Fractal and Fractional

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Impact Factor 3.3  
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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

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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).