

Special Issue

Advances in Fractals

Message from the Guest Editors

More than forty years after the term being coined by Mandelbrot, fractals continue to fascinate the scientific community and the public with their wonderful propensity to infinitely repeat the same patterns at various (spatial and/or temporal) scales. The goal of this Special Issue is to publish a collection of interesting and novel original research papers or review articles, on a broad variety of topics related to fractals, viewed either as geometric or analytic objects, and their applications. Potential topics include but are not limited to:

- Iterated function system and inversion fractals;
- Fractal generation methods;
- Fractal image compression;
- Fractal interpolation and approximation;
- Fractal curves and surfaces;
- Fractal dimension;
- Fractals and dynamical systems;
- Fractal tilings;
- Mandelbrot and Julia sets;
- Superfractals;
- Multifractals;
- Applications of fractals, for instance, in image processing, pattern recognition, etc.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)



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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.3 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).