

Special Issue

Fractional Calculus and Special Functions with Applications

Message from the Guest Editors

The aim of this Special Issue is to explore and celebrate the diverse connections between fractional calculus and special functions, as well as their associated applications. We welcome review and research papers covering any of the following topics:

- Analytical properties of fractional-calculus operators defined using special functions in their kernels;
- Special functions arising from the solution of fractional-order differential or difference equations;
- Analytical properties of the special functions that arise from the use of fractional-calculus operators;
- The application of special functions in the qualitative analysis of problems within fractional calculus;
- Real-world applications of fractional-calculus operators with special functions in their kernels.

Prof. Dr. Mehmet Ali Ozarslan

Guest Editors

Prof. Dr. Mehmet Ali Özarslan

Dr. Arran Fernandez

Prof. Dr. Ivan Area

Deadline for manuscript submissions

closed (31 March 2021)



Fractal and Fractional

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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:

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 19.3 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).