

## Special Issue

# Fractional Differential Equations: Advanced Results for Cases with Singularities

### Message from the Guest Editors

Fractional differential equations are being applied in medicine (modelling of human tissue under mechanical loads), (bio)chemistry (modelling of polymers and proteins), mechanics (theory of viscoelasticity), electrical engineering (transmission of ultrasound waves), etc. The aim of this Special Issue is to present some of the recent developments in the theory, methods, and applications of certain particularly important special cases which will demonstrate a rich variety of phenomena that may be encountered in the investigation of regular and singular fractional differential equations. Singular equations will lead to solutions with properties that differ substantially from those that we have seen for regular problems. The key objective of this Special Issue is to provide novel developments that may inspire advances or be used for the construction of numerical methods for fractional differential equations.

### Guest Editors

Dr. Suzana Aleksić

Dr. Sladjana Dimitrijević

Dr. Tatjana Tomović Mladenović

### Deadline for manuscript submissions

closed (31 October 2024)



## 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.

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### Editor-in-Chief

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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).