# Special Issue

# Advance on the Fractal and Fractional Calculus in Electrical and Electronic Engineering

## Message from the Guest Editors

Fractal and fractional calculus have seen many developments over the past years and, as a result, many classical models in electrical and electronic engineering are today being analysed using them, such as in the case of circuits, filters, oscillators, impedances, control systems, and so on. It has been demonstrated that fractal and fractional calculus applied to electrical and electronic engineering can provide more flexibility. The focus of this Special Issue is to continue to advance research on topics relating to the theory, design, implementation, and application of fractal and fractional calculus to the electrical and electronic engineering fields. Topics that are invited for submission include (but are not limited to): Advanced theory of the fractal and fractional calculus in electrical and electronic Engineering;
Fractal and fractional circuits;
Fractal and fractional filters;
Fractal and fractional oscillators;
Fractional-order control systems;
Fractal and fractional differential equations in electrical and electronic engineering

## Guest Editors

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## Deadline for manuscript submissions

closed (30 June 2024)

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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

Prof. Dr. Carlo Cattani
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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).