

Special Issue

Fractals in Physiology and Medicine

Message from the Guest Editor

This Special Issue focuses on the role of fractal geometry and fractal analysis in understanding complex biological systems and medical phenomena, as well as their potential applications in contemporary medical physiology research. This Special Issue will address the application of fractal analysis to physiological signals, including both one-dimensional time series (e.g., ECG, EEG) and two-dimensional biomedical images (e.g., microscopy images or radiograms). It will also examine how fractal-based features may be used in the development of machine learning models for physiological research, thus enhancing the classification, prediction, and interpretation of biological patterns. This collection also aims to compile knowledge encompassing both mathematics and biomedical engineering, and contribute to a systems-level understanding of medical physiology and related fields.

Guest Editor

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Deadline for manuscript submissions

15 October 2026



Fractal and Fractional

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.0



mdpi.com/si/248616

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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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