Special Issue

Theories and Applications of Fractional Order Bio-Mathematics in Medicine and Biology

Message from the Guest Editors

Dear Colleagues We invite you to submit your research papers in the field of bio-mathematics and its applications to this Special Issue, entitled "Theories and Applications of Bio-mathematics in Medicine and Biology", of the journal Fractal and Fractional. The main goal of this Special Issue is to celebrate the huge increase in and relevance of applications of mathematics to medicine, biology and life sciences. We will focus on both fractional and integer orders of mathematical models. We will focus on both fractional and integer orders of mathematical models. In this Special Issue, original research articles and reviews are welcome. Topics that are invited for submission include (but are not limited to):

- Integer and fractional order models
- All bio-mathematical models such as Covid-19, HIV, Malaria, Diabetes, tuberculosis and other models
- Theories, convergence analysis, error bound, stability, existence and uniqueness of solution.
- Fuzzy and crisp multi-dimensional models

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2022)

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 19.9 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).

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