Special Issue

Fractional Calculus Applied in Environmental Biosystems

Message from the Guest Editors

Dear Colleague,

In recent years, significant strides have been made in the mathematical modeling of environmental biosystems, spanning diverse areas such as complex ecosystems, epidemiology, climate change impact assessment, bioremediation, and ecosystem conservation. These advancements are underpinned by enhanced access to detailed data and refined analytical techniques. Fractional calculus has emerged as a pivotal tool in this progress, offering heightened precision in modeling biological systems. This technique adeptly captures the nonlinear and intricate behaviors exhibited by many biological systems, addressing nonlocal phenomena and long-memory processes. By adapting to model multiscale phenomena, fractional calculus allows for a more nuanced analysis, particularly in cases involving anomalous behaviors. We invite researchers to submit their original research articles, reviews, and theoretical contributions on the theme of "Fractional Calculus Applied in Environmental Biosystems."

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Deadline for manuscript submissions

31 October 2025



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Impact Factor 3.3 CiteScore 6.0



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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 peerreviewed, open access journal that publishes high quality original research articles, review papers and short communications.

Editor-in-Chief

Prof. Dr. Carlo Cattani Engineering School (DEIM), University of Tuscia, Largo dell'Università, 01100 Viterbo, Italy

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