Special Issue

Enhancing Pain Assessment and Anesthesia Management: Fractional Modeling with AI

Message from the Guest Editor

The integration of fractional calculus and AI in healthcare holds great potential for numerous areas, including anesthesia, hemodynamic monitoring, epilepsy monitoring, and pain management. By combining these concepts, healthcare professionals can benefit from more accurate monitoring, prediction, and intervention, ultimately leading to improved patient outcomes.   Possible topics that qualify for this are (but not limited to):   Fractional calculus and AI in monitoring for anesthesia Hemodynamic monitoring optimized with fractional calculus and AI Integration of fractional calculus and AI in monitoring for epilepsy Pain monitoring and fractional calculus combined with AI.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2025)

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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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