

## Special Issue

# Fractal and Fractional Statistics for Artificial Intelligence, Data Science, and Quantum Computing, 2nd Edition

### Message from the Guest Editors

Quantum computing is considered as a frontier of interdisciplinary research involving fields ranging from computer science to physics and from chemistry to engineering. The stochastic nature of quantum physics results in the random essence of quantum computing. Therefore, statistics play an essential role in the development of quantum computing. In addition, quantum computing has high potential to revolutionize artificial intelligence, computational statistics, and data science. The objective of this Special Issue is to gather recent theoretical studies, simulation experiments, and empirical application in modeling complex processes from various domains. This Special Issue looks for submissions on, but not limited to, fractal and fractional statistics for artificial intelligence, data science, and quantum computing. We strongly encourage interdisciplinary studies and the solution of real-world problems.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 August 2025)



## Fractal and Fractional

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

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### Editor-in-Chief

Prof. Dr. Carlo Cattani  
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manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).