Special Issue

Fractional Order Modeling of Fluid Flow and Heat Transfer

Message from the Guest Editors

This Special Issue aims to gather high-quality research on the theory, computation, and applications of fractional modelling in fluid dynamics, heat transfer, and related areas. Contributions exploring fractional extensions of classical fluid models, advanced numerical methods, and data-driven approaches (such as ANN and PINN frameworks) are strongly encouraged.

Guest Editors

Dr. Razi Khan

- 1. Department of Mathematics and CEMAT, Instituto Superior Técnico, 1049-001 Lisboa, Portugal
- 2. Department of Mathematics and Physics, University of Campania "Luigi Vanvitelli", 81100 Caserta, Italy

Dr. Zubair Ahmad

- 1. Division of Statistics, Department of Political Science, University of Naples Federico II, Naples, Italy
- 2. Department of Mathematics and Physics, University of Campania "Luigi Vanvitelli", 81100 Caserta, Italy

Deadline for manuscript submissions

31 December 2026



Fractal and Fractional

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 6.0



mdpi.com/si/262784

Fractal and Fractional Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 fractalfract@mdpi.com

mdpi.com/journal/ fractalfract





Fractal and Fractional

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 6.0



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

Prof. Dr. Carlo Cattani

Engineering School (DEIM), University of Tuscia, Largo dell'Università, 01100 Viterbo, Italy

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).

