



Inverse Problems for Fractional Differential Equations

Guest Editor:

Dr. Jorge Mario Cruz-Duarte

Tecnológico de Monterrey, Av.
Eugenio Garza Sada 2501 Sur,
Col. Tecnológico, Monterrey
64849, Mexico

Deadline for manuscript
submissions:

closed (31 May 2024)

Message from the Guest Editor

Real practical scenarios are ubiquitously complex in inverse problems, and the goodness of their modelling depends on the tools used, as well as the quality of the observation dataset. Notwithstanding, clean and perfect data collections are seldom available. In that sense, fractional calculus is a powerful tool to describe the real behavior of practical and complex systems, unless one considers nested or merged simple models. Walking in this avenue, recent reports in the literature have demonstrated the potential of the fractional differential equations for describing the dynamic behavior of geological, mechanical, thermal, electronic, and chemical systems from observations with a certain degree of external and undesired disturbances. Therefore, we happily welcome high-quality manuscripts that address inverse problems using or related to non-integer operators, such as fractional differential equations, fractional derivatives, fractional transforms, and fractional models, to mention a few. We hope that this initiative is of interest to you, and we encourage you to submit your current research to be included in the Special Issue.





an Open Access Journal by MDPI

Editor-in-Chief

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

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q1 (Mathematics, Interdisciplinary Applications) / CiteScore - Q1 (Analysis)

Contact Us

Fractal and Fractional Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/fractalfract
fractalfract@mdpi.com
[X@Fractal_Fract](https://twitter.com/Fractal_Fract)