





an Open Access Journal by MDPI

## **Recent Advances in the Equation with Nonlinear Fractional Diffusion**

Guest Editors:

## **Dr. Armando Gallegos**

Departamento de Ciencias Exactas y Tecnología, Centro Universitario de los Lagos, Universidad de Guadalajara, Enrique Díaz de León 1144, Paseos de La Montaña, Lagos de Moreno, Jalisco, Mexico

## Prof. Dr. Jorge E. Macías Díaz

- 1. Department of Mathematics, School of Digital Technologies, Tallinn University, 10120 Tallinn, Estonia
- 2. Department of Mathematics and Physics, Autonomous University of Aguascalientes, Aguascalientes 20131, Mexico

Deadline for manuscript submissions:

31 December 2024

## **Message from the Guest Editors**

Dear Colleagues,

The development of fractional calculus has grown considerably in recent decades, and its application in diffusion equations has been no exception to this. The applications of this type of equation can include mechanical, electronics, epidemiological, biological, and social systems, among others. That is why the concern arises to promote the latest achievements in this area of research. In this Special Issue, we will present works that cover the application of diffusion equations in fractional partial derivatives that include nonlinear terms, including stochastic or non-stochastic.

We also hope to receive new proposals for their corresponding solution methods, as well as their structural and conservation properties.



