



an Open Access Journal by MDPI

# Theory, Modeling and Applications of Fractional-Order Systems

Guest Editors:

#### Prof. Dr. Rafael Castro-Linares

Department of Electrical Engineering, Section of Mechatronics, Center of Research and Advanced Studies of the National Polytechnic Institute (CINVESTAV), México City, Mexico

## Prof. Dr. Manuel A. Duarte-Mermoud

Facultad de Ingeniería y Arquitectura, Universidad Central de Chile, Av.Santa Isabel 1186, Santiago 8330601, Chile

Deadline for manuscript submissions:

15 September 2024

# **Message from the Guest Editors**

Dear Colleagues:

Mathematics runs Special Issues to create collections of papers on specific topics. The aim is to establish a community of authors and readers to discuss the latest research and develop new ideas and research directions. Special Issues are led by Guest Editors who are experts in the subject and oversee the editorial process for papers. Papers published in a Special Issue will be collected together on a dedicated page of the journal's website. For any inquiries related to a Special Issue, please contact the Editorial Office.

This Special Issue is devoted to the "Theory, Modeling and Applications of Fractional-Order Systems". Although the concept of fractional-order integrals and derivatives can be traced back to the letter from Leibniz to L'Hôpital written in 1695, it was only in the late seventies that fractional-order operators were introduced in the scientific community, and it is today understood as the study of integrals and derivatives whose order is not composed of integers but real numbers. In the last 20 years these concepts have been profusely studied and applied in a wide area of physical and mathematical problems.









an Open Access Journal by MDPI

## **Editor-in-Chief**

#### Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

## Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The iournal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering sociology. particularly those that and stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

### **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), RePEc, and other databases.

**Journal Rank:** JCR - Q1 (*Mathematics*) / CiteScore - Q1 (*General Mathematics*)

### **Contact Us**