Special Issue

Fractional Differential Equations and Dynamical Systems

Message from the Guest Editors

This Special Issue will explore new research and trends in dynamical systems focused on problems involving fractional differential equations. The motivation of fractional order equations and the theory are able to describe complex processors and systems, including the effect of “memory” on describing a system by considering fractional derivatives and differences instead of integer jumps in the growth of physical processors. They appear in a wide range of scientific applications in the fields of engineering, physics, chemistry, and biology, as well as in financial mathematics and health informatics. There is a strong demand to develop both functional analysis theory and approximation schemes to find both analytical solutions and their approximations. This Special Issue will focus on manuscripts that enrich and complement the area of fractional calculus and dynamical systems.

Guest Editors

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Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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