Special Issue

Fractional Calculus and Differential Equations

Message from the Guest Editors

Differential equations (ordinary differential equations, partial differential equations, stochastic differential equations, etc.) are indispensable in modeling various phenomena and processes in physics, chemical reactions, engineering, biological processes and social sciences. The main goal of this Special Issue is to channel activities and resources to develop and promote different research topics in the analysis of differential equations and its applications. Moreover, in this Special Issue we hope to interact with other topics like fractional operators and their applications in linear or nonlinear differential equations, generalized functions, and applications of harmonic analysis. Topics that are invited for submission include (but are not limited to):

- Linear and nonlinear differential equations;
- Fractional calculus and applications;
- Ordinary differential equations;
- Partial differential equations;
- Stochastic differential equations;
- Fuzzy differential equations;
- Harmonic analysis and applications;
- Applications to real-world phenomena;
- Related topics about differential equations.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2022)

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About the Journal

Message from the Editor-in-Chief

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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