

## Special Issue

# Differential Equations and Dynamical Systems—Theory and Applications

### Message from the Guest Editor

It is well established that dynamical systems have various applications in modeling the dynamics of many real-life phenomena and processes, including physics, chemistry, engineering, life sciences, economic, etc. In the stability theory of linear dynamical systems, a central problem is to find conditions for the existence of stability, dichotomy, or trichotomy of their solutions. This Special Issue of *Axioms* deals with the stability theory of continuous and discrete dynamical systems and their advanced applications. Research areas may include (but are not limited to) the following: Ordinary differential equations; Partial differential equations; Delay differential equations; Fractional differential equations; Functional equations; Integral equations; Impulsive equations; Dynamical systems on time scales; Difference equations; Stochastic processes.

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### Guest Editor

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### Deadline for manuscript submissions

closed (23 August 2024)



## Axioms

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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.

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### Editor-in-Chief

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