

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.

Guest Editor

Dr. Nicolae Lupa

Department of Mathematics, Politehnica University of Timisoara,
300006 Timisoara, Romania

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
axioms@mdpi.com

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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

Prof. Dr. Humberto Bustince

Department of Statistics, Computer Science and Mathematics, Public
University of Navarra, 31006 Pamplona, Spain

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