

Special Issue

Nonlinear Differential Equations and Dynamical Systems: Theory and Applications

Message from the Guest Editors

Nonlinear differential equations, dynamical systems, and related topics are particularly trendy topics at present, as they have had wide and significant applications in many fields of Physics, Chemistry, Engineering, Biology or even Economics, in general, and Mathematics, in particular. In addition, they can be approached using several different methods and techniques. As examples, we can refer to variational and topological methods, fixed point theory, initial and boundary value problems, continuous and discrete dynamical systems, qualitative theory, stability theory, the existence and control of chaos, and the existence of attractors and periodic orbits, among others. In this Special Issue we propose to collect some state-of-the-art results that can contribute effectively to these areas. Before submission authors should carefully read over the journal's instructions for Authors, in <http://www.mdpi.com/journal/axioms/instructions>

Guest Editors

Prof. Dr. Feliz Manuel Minhós

1. Department of Mathematics, School of Science and Technology, University of Évora, Rua Romão Ramalho, 59, 7000-671 Évora, Portugal
2. Center for Research in Mathematics and Applications (CIMA), Institute for Advanced Studies and Research (IIFA), University of Évora, Rua Romão Ramalho, 59, 7000-671 Évora, Portugal

Dr. João Fialho

Department of Mathematics, British University of Vietnam, Ecopark Campus, 160000 Hung Yen, Hanoi, Vietnam

Deadline for manuscript submissions

closed (30 September 2020)



Axioms

an Open Access Journal
by MDPI

Impact Factor 1.6



mdpi.com/si/39580

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

mdpi.com/journal/

[axioms](https://axioms.mdpi.com)





Axioms

an Open Access Journal
by MDPI

Impact Factor 1.6



[mdpi.com/journal/
axioms](https://mdpi.com/journal/axioms)



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

Prof. Dr. Humberto Bustince

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

Author Benefits

Open Access

— free for readers, with article processing charges (APC) paid by authors or their institutions.

High visibility:

indexed within SCIE (Web of Science), dblp, and other databases.

Journal Rank:

JCR - Q2 (Mathematics, Applied)