

Special Issue

Mathematical Methods in the Applied Sciences

Message from the Guest Editors

The applied sciences include a broad range of disciplines, such as engineering, business, medicine, neuroscience, Earth science, etc. It is often contrasted with basic science, which is focused on advancing scientific theories and laws that explain and predict events in the natural world. Many problems related to the applied sciences are resolved mathematically, hence the need to explore and search for adequate mathematical methods to accurately describe and explain real-world phenomena. These mathematical methods can be expressed using linear, non-linear, ordinary differential and partial differential equations. The aim of this Special Issue is to give scientists and researchers the opportunity to present their works, including but not limited to:

- mathematical methods;
- applied mathematics;
- biomathematics;
- modeling;
- applied sciences;
- real systems;
- applied mechanics;
- quantitative models;
- simulation methodology;
- inverse problems;
- numerical methods;
- machine learning;
- deep learning;
- reinforcement learning.



Axioms

an Open Access Journal
by MDPI

Impact Factor 1.6



mdpi.com/si/133145

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

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

Guest Editors

Dr. Nuno Bastos

Dr. Touria Karite

Dr. Amir Khan

Deadline for manuscript submissions

closed (29 February 2024)





Axioms

an Open Access Journal
by MDPI

Impact Factor 1.6



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

