



Advances in Mathematics: Theory and Applications

Guest Editors:

Dr. Ricardo Abreu-Blaya

Facultad de Matemáticas,
Universidad Autónoma de
Guerrero, Chilpancingo de los
Bravo, Chilpancingo 39070,
México

**Dr. Juan Carlos Hernández
Gómez**

Facultad de Matemáticas,
Universidad Autónoma de
Guerrero, Carlos E. Adame No. 54,
Col. Garita, Acapulco 39650,
Mexico

Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to present a platform for the publication of articles on theoretical developments and their applications in different areas of human knowledge, such as chemistry, physics, biology, and economics.

Potential topics include but are not limited to:

- graph theory
- mathematical chemistry
- domination theory
- complex systems
- fractional differential equations
- conformable and non-conformable calculus
- mathematical modelling
- complex analysis
- boundary value problems
- singular integral equations





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Humberto Bustince

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

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.

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 - Q1 (Mathematics, Applied)

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 21 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the first half of 2024).

Contact Us

Axioms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/axioms
axioms@mdpi.com
[X@Axioms_MDPI](https://twitter.com/Axioms_MDPI)