

## Special Issue

# Mathematics and Its Applications in Other Disciplines

### Message from the Guest Editors

This Special Issue focuses on the remarkable applications of mathematics in various disciplines and aims to explore points of crossover between mathematics and different fields. We aim to show how mathematics injects vitality into other disciplines and promotes the continuous progress of science and technology, and to show its influence across disciplinary boundaries. We look forward to your contributions, and to jointly exploring the significance of mathematics as it stands across a range of fields. Topics include but are not limited to:

- pure mathematics
- applied mathematics
- control theory
- combinatorics
- graph theory
- network optimization
- network design
- computational theory
- algorithm design and analysis
- computer-aided geometric design
- algorithmic complexity
- automata theory

---

### Guest Editors

Prof. Dr. Litao Guo

Department of Mathematics, Xiamen University of Technology, Xiamen 361024, China

Dr. Fabio Caldarola

Department of Mathematics and Computer Science, Cubo 31/A, Università della Calabria, 87036 Rende, Italy

---

### Deadline for manuscript submissions

20 November 2025



## Axioms

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.6



[mdpi.com/si/238004](https://mdpi.com/si/238004)

*Axioms*

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

[axioms@mdpi.com](mailto:axioms@mdpi.com)

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