

Special Issue

Trends in Differential Geometry and Algebraic Topology

Message from the Guest Editor

We are pleased to invite you to contribute to a Special Issue of *Axioms* titled "Trends in Differential Geometry and Algebraic Topology." This issue aims to showcase cutting-edge research and novel perspectives at the intersection of these two fundamental areas of mathematics. As a recognized expert in the field, your contribution would be invaluable in shaping the discourse on recent developments and future directions. We welcome original research articles, comprehensive reviews, and insightful perspectives that explore the following:

- Advances in differential geometric structures and their applications, including Riemannian and symplectic geometry;
- Higher category theory, homotopy theory, homology theory, algebraic K-theory;
- Interplay between differential geometry and algebraic topology;
- Index theory, noncommutative geometry;
- Emerging computational methods in geometric and topological analysis;
- Applications of differential geometry and algebraic topology in physics, data science, or other disciplines.

We are excited about the possibility of featuring your work in this Special Issue and contributing to the advancement of these vital mathematical fields.

Guest Editor

Dr. Byungdo Park

Department of Mathematics Education, Chungbuk National University,
Cheongju 28644, Republic of Korea

Deadline for manuscript submissions

closed (30 November 2025)



Axioms

an Open Access Journal
by MDPI

Impact Factor 1.6



mdpi.com/si/221458

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

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





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)