

Special Issue

New Perspectives in Differential Geometry and Its Applications

Message from the Guest Editor

The primary aim of this Special Issue of *Axioms*, entitled “New Perspectives in Differential Geometry and Its Applications”, is to publish original research and review papers on the topic of differential geometry and its applications. We seek studies from interdisciplinary mathematical research fields that use differential geometric tools and methods to investigate geometrical structures from the natural sciences, with a focus on the following topics: differential equations on manifolds; geometric flows; global analysis; Lie groups; local and global stability; Lyapunov and Jacobi stability; the calculus of variations on manifolds; the topology of manifolds; Riemann, Finsler, Lagrange and Hamilton geometries; symplectic and polysymplectic geometries; symmetry and conservation laws; gauge theory; mathematical modelling; and applications of differential geometry structures to various fields, like physics, quantum computing, biology, ecology, and epidemiology.

Guest Editor

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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

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