

Special Issue

Graph Invariants and Their Applications

Message from the Guest Editor

Graph theory plays a pivotal role in various branches of mathematics and its applications, particularly in chemical graph theory and algebraic graph theory. This Special Issue is dedicated to exploring the latest advancements in graph invariants and their diverse applications across discrete mathematics and related disciplines. This Special Issue invites high-quality contributions presenting novel findings in chemical and algebraic graph theory, with an emphasis on graph invariants and their mathematical and practical implications. We welcome papers that address both theoretical advancements and real-world applications. Topics of interest include, but are not limited to, the following:

- Graph invariants;
- Topological indices;
- Graph spectrum and energy;
- Extremal graph theory;
- Graph coloring;
- QSPR/QSAR analysis;
- Combinatorics;
- Discrete mathematics.

We aim to collate cutting-edge research that highlights the depth and breadth of this vibrant area, offering new perspectives and tools for both theoretical exploration and applied science.

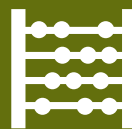
Guest Editor

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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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