Special Issue

Advances in Graph Theory with Its Applications

Message from the Guest Editors

Graph theory, a cornerstone of discrete mathematics, has continually evolved as a powerful tool to model and solve problems across diverse domains. From analyzing complex networks in computer science and communication systems to optimizing processes in logistics, biology, and social sciences, its applications are both vast and impactful. This Special Issue, "Advances in Graph Theory with Its Applications", aims to highlight recent developments in theoretical graph concepts, algorithmic innovations, and real-world implementations. Topics of interest include, but are not limited to, advancements in graph algorithms, structural graph properties, computational geometry, and their interdisciplinary applications in areas such as data science, energy systems, and network analysis. We invite contributions that bridge the gap between theory and practice, offering novel insights or innovative methodologies that enhance our understanding of graph theory's capabilities. By fostering this dialogue, we hope to provide a platform for researchers to showcase the potential of graph theory approaches in addressing contemporary challenges.
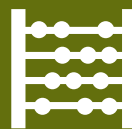
Guest Editors

Dr. Manuel Ceballos
Department of Engineering, Universidad Loyola, Sevilla, Spain

Dr. Raúl M. Falcón
Department of Applied Mathematics I, University of Seville, 41012 Sevilla, Spain

Deadline for manuscript submissions

31 March 2026

Axioms

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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

Prof. Dr. Humberto Bustince
Department of Statistics, Computer Science and Mathematics, Public University of Navarra, 31006 Pamplona, Spain

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