

## Special Issue

# Combinatorics and Graph Theory with Applications in Computer Science

### Message from the Guest Editors

Combinatorics and graph theory serve as fundamental pillars of modern computer science, providing the essential language and tools to model, analyze, and solve a vast spectrum of computational challenges. From the architecture of communication networks and the flow of data to the complexities of biological systems and social interactions, discrete structures are ubiquitous. The design of efficient algorithms to process these structures is a central goal in computer science, creating a deep and fruitful symbiosis between these mathematical and computational disciplines. This Special Issue, titled “Combinatorics and Graph Theory with Applications in Computer Science”, aims to highlight the latest advancements at this critical intersection. We seek to gather high-quality, original research that presents novel theoretical results in combinatorics and graph theory, as well as innovative applications that address significant challenges in computer science.

### Guest Editors

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Dr. Julian D. Allagan

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Dr. Weizheng Gao

### Deadline for manuscript submissions

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### 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.

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