



Graph Theory and Combinatorics: Theory and Applications

Guest Editors:

Dr. Murong Xu

Department of Mathematics,
University of Scranton, Scranton,
PA 18510, USA

Dr. Jian-Bing Liu

Department of Mathematics,
University of Hartford, West
Hartford, CT 06117, USA

Prof. Dr. Xueliang Li

Center for Combinatorics, Nankai
University, Tianjin 300071, China

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Message from the Guest Editors

Dear Colleagues,

Graph theory and combinatorics study discrete structures and their properties. These fields provide essential tools for solving problems across diverse disciplines such as computer science, biology, and optimization by analyzing relationships and developing efficient algorithms. We invite submissions of original research articles, reviews, and innovative applications within these fields. Topics include but are not limited to:

- graph theory
- combinatorial optimization
- digraphs
- hypergraphs
- connectivity
- group connectivity
- strongly group connectivity
- strong arc connectivity
- extremal problems
- extremal digraphs
- graph coloring
- list coloring
- planar graphs
- nowhere-zero flows
- edge coloring
- strong edge coloring
- chromatic number
- decomposition
- eigenvalues
- supereulerian graphs
- domination number





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Editor-in-Chief

Prof. Dr. Humberto Bustince

Department of Statistics,
Computer Science and
Mathematics, Public University of
Navarra, 31006 Pamplona, Spain

Message from the Editor-in-Chief

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Axioms Editorial Office
MDPI, Grosspeteranlage 5
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