

Special Issue

Combinatorial Optimization Algorithms and Applications

Message from the Guest Editors

This Special Issue of the journal delves deeply into Combinatorial Optimization Algorithms and Applications, with a particular emphasis on the fields of integer programming and stochastic programming. It presents a comprehensive exploration of various state-of-the-art methodologies, including branch and bound, branch and cut, branch and price, and Benders decomposition, as well as heuristic approaches. These techniques play a crucial role in addressing intricate optimization challenges across a multitude of domains.

The Special Issue also invites contributions that push the boundaries of combinatorial optimization, exploring emerging areas and interdisciplinary perspectives. The aim is to showcase the latest research advancements, practical applications, and theoretical insights, thereby enhancing the impact of combinatorial optimization on real-world problem-solving. This Special Issue serves as a platform for scholars and practitioners to share their knowledge, collaborate, and drive forward the frontiers of combinatorial optimization.

Guest Editors

Dr. Jianjiang Wang

Dr. Hongtao Lei

Dr. Jiawu Peng

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Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University,
The Gateway, Leicester LE1 9BH, UK

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