



## Feature Papers in Combinatorial Optimization, Graph, and Network Algorithms

Collection Editor:

**Prof. Dr. Roberto Montemanni**

Department of Sciences and  
Methods for Engineering,  
University of Modena and Reggio  
Emilia, 42100 Reggio Emilia, Italy

### Message from the Collection Editor

This Topical Collection “Feature Paper in Combinatorial Optimization, Graph, and Network Algorithms” aims to collect high-quality research articles and review articles in the wide fields of combinatorial optimization, graph theory, operations research and industrial engineering. The topics are of great interest both in academia and industry, spanning from theoretical results to applied contributions. Artificial Intelligence is becoming a popular tool in the field, therefore contributions incorporating such an aspect are encouraged. Survey papers are also welcome.

- cutting and packing
- discrete and combinatorial optimization
- emergency and humanitarian logistics
- game theory
- graph theory and network optimization
- heuristics and metaheuristics
- linear and nonlinear programming
- logistics
- machine learning
- mathematical programming
- multiple-criteria decision making
- network analytics
- planning and project management
- railway and air traffic problems
- routing
- scheduling and timetabling
- stochastic and robust optimization
- traffic and transportation





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Frank Werner**

Faculty of Mathematics, Otto-  
von-Guericke-University, P.O. Box  
4120, D-39016 Magdeburg,  
Germany

## Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

## Author Benefits

**Open Access :** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [Ei Compendex](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (Computer Science, Theory and Methods) / CiteScore - Q1 (Numerical Analysis)

## Contact Us

---

*Algorithms* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/algorithms](http://mdpi.com/journal/algorithms)  
[algorithms@mdpi.com](mailto:algorithms@mdpi.com)  
[X@Algorithms\\_MDPI](https://twitter.com/Algorithms_MDPI)