Special Issue

Heuristic Optimization Algorithms for Logistics

Message from the Guest Editors

Heuristic optimization algorithms have gained significant attention due to their ability to efficiently find near-optimal solutions for complex logistics problems. Logistics, encompassing the management of the flow of goods, services, requires robust optimization techniques to improve overall performance. Heuristics offer practical and computationally efficient solutions for tackling intricate logistics challenges. These algorithms leverage simple rules and iterative processes to explore solution spaces effectively, making them well-suited for real-world logistics applications.This Special Issue aims to bring together cutting-edge research and innovative applications of heuristic optimization algorithms in logistics. Topics of interest include algorithmic developments, case studies, and experimental validations that demonstrate the effectiveness of heuristics in optimizing various aspects of logistics. Overall, this Special Issue seeks to contribute to the development of practical and scalable solutions that address the evolving challenges in the dynamic and complex field of logistics.

Guest Editors

Prof. Dr. José Andrés Moreno Pérez

Department of Computer and Systems Engineering, Instituto Universitario de Desarrollo Regional, University of La Laguna, 38200 La Laguna, Spain

Dr. Jesica de Armas

Department of Economics and Business, Universitat Pompeu Fabra, Ramon Trias Fargas, 25-27, 08005 Barcelona, Spain

Deadline for manuscript submissions

closed (20 May 2025)

Algorithms

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 4.5

mdpi.com/si/194824

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

mdpi.com/journal/algorithms

Algorithms

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 4.5

mdpi.com/journal/algorithms

MDPI

About the Journal

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.

Editor-in-Chief

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

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)