Operations Research and Optimization, 2nd Edition

Guest Editors:

Prof. Dr. Cláudio Alves
Department of Production and Systems, Algoritmi Centre, University of Minho, 4710-057 Braga, Portugal

Dr. Telmo Pinto
Department of Mechanical Engineering, University of Coimbra, 3030-788 Coimbra, Portugal

Deadline for manuscript submissions:
31 October 2024

Message from the Guest Editors

Dear Colleagues,

Mathematical optimization and related approaches from the operations research field play a significant role in effectively solving complex problems on a wide variety of areas. Although these techniques are frequently associated with operations management, there is a record of successful applications in very different contexts. This Special Issue aims to be a platform to disseminate the recent advances on the field in the most distinct application areas. A non-exhaustive list of topics is as follows:

- Integer linear programming and combinatorial optimization approaches;
- Exact optimization algorithms: branch-and-bound, polyhedral approaches, decomposition-based methods, reformulations;
- Heuristics, meta-heuristics, matheuristics and model-based metaheuristics for integer linear programming and combinatorial optimization;
- Real-world applications in industry and services: operations management, supply chain management, logistics and transportation, scheduling, production management and distribution, warehousing, location, energy, telecommunications, project management, and healthcare;
- Optimization software and decision support systems.

mdpi.com/si/178958

Special Issue

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.
Journal Rank: JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Contact Us