



Evolutionary Multi-Criteria Optimization: Methods and Applications

Guest Editors:

Dr. Rui Wang

College of System Engineering,
National University of Defense
Technology, Changsha 410073,
China

Dr. Shi Cheng

School of Computer Science,
Shaanxi Normal University, Xi'an
710119, China

Message from the Guest Editors

The main aim of this Special Issue is to bring together both experts and newcomers to discuss new and existing issues in these areas, and in particular to continue the integration and blending of ideas between EMO and MCDM researchers, and to stimulate engagement with the user community. You are invited to submit papers that are unpublished original work for this Special Issue. The topics include, but are not limited to:

1. Interactive multi-objective optimization.
2. Pareto optimal knee front search.
3. Hybrid EMO-MCDM methodologies.
4. Theoretical aspects of EMO and MCDM methodologies.
5. Multiple-criteria decision aiding.
6. Preference modeling.
7. Multiple-criteria choice, ranking, and sorting.
8. Multiple-objective continuous and combinatorial optimization.
9. Evolutionary many-objective optimization.
10. Multiple attribute utility theory.
11. Outranking methods.
12. Goal programming.
13. Multiple-objective metaheuristics.
14. Fuzzy multiple-criteria decision making.
15. Data-driven and model-based multi-objective optimization.
16. Dynamic multi-objective optimization.
17. Applications of EMO and MCDM in government, business, industry and interdisciplinary sciences.

Deadline for manuscript
submissions:

20 July 2025





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.

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Mathematics Editorial Office
MDPI, Grosspeteranlage 5
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