

International Journal of

Multicriteria Decision Making



Scope of the Journal

IJMCDM is a scholarly journal that publishes high quality research contributing to the theory and practice of decision making in ill-structured problems involving multiple criteria, goals and objectives. The journal publishes papers concerning all aspects of multicriteria decision making (MCDM), including theoretical studies, empirical investigations, comparisons and real-world applications. Papers exploring the connections with other disciplines in operations research and management science are particularly welcome.

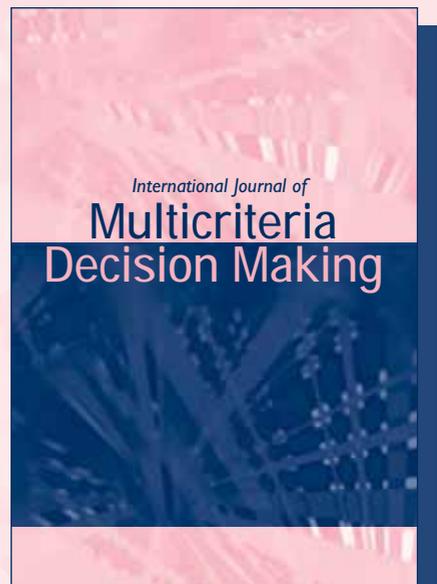
Subject coverage:

Suitable topics include but are not limited to:

- Artificial intelligence, evolutionary computation and soft computing in MCDM
 - Conjoint measurement
 - Decision making under uncertainty
 - Disaggregation analysis, preference learning and elicitation
 - Group decision making and multicriteria games
 - Multiattribute utility/value theory
 - Multicriteria decision support systems and knowledge-based systems
 - Multiobjective mathematical programming
 - Outranking relations theory
 - Performance measurement
 - Preference modelling
 - Problem structuring with multiple criteria
 - Rough set theory
 - Risk analysis and modelling
 - Social choice models
 - Sensitivity and robustness analysis
 - Theoretical foundations of MCDM
- e-Business, e-Commerce and e-Government
 - Human resources management
 - Information systems management
 - Logistics and supply chain management
 - Marketing
 - Operations management
 - Policy modelling and public sector
 - Risk analysis and management
 - Telecommunications
 - Transportation

IJMCDM is also highly interested in publishing innovative applied research on a wide variety of fields, including among others:

- Accounting and auditing
- Business modelling and strategy
- Computer science and information technology
- Economics and finance
- Energy planning and environmental management
- Engineering



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What the editors say about IJMCDM

IJMCDM comes at the moment when the Operational Research community commonly agrees that decision making cannot escape the reality of multiple criteria or multiple objectives. Together with the concern of robustness, MCDM constitutes today the core of scientific decision support. Enhanced by powerful search methods, like evolutionary algorithms, and enriched by comprehensible models of preferences, like dominance-based decision rules, the modern MCDM methodology provides a frame for both complex optimization and better respect of decision maker's preferences. Due to inspirations coming from Artificial Intelligence, MCDM is able to cope with increasing stocks of data using knowledge discovery and preference learning techniques, being of crucial importance for web decision support services, like recommender systems. This is a right moment to open a forum for exchange of research results and practical experience in this diversified field. I am, therefore, convinced that IJMCDM will become shortly a leading journal in the area.

Prof. Roman Slowinski, Poznan University of Technology and Polish Academy of Sciences, Poland

This journal bridges an important gap that exists today in the dissemination of new results and ideas in decision making theories and applications. This area of research and practice is very important to science and society in general, especially in today's complex and globalized world.

Prof. Evangelos Triantaphyllou, Department of Computer Science, Louisiana State University, USA

The huge crisis of 2008 and 2009 is not only financial. The crisis is also a crisis of ideas. But still, when confronted with our complex environment, many decision makers call upon myopic one-dimensional optimization techniques, often implicitly and even explicitly accompanied by the idea that human centred processes can be centralized. This journal focuses on multidimensional processes. By doing so it helps to satisfy an enormous need.

Prof. Jaap Spronk, Academic Dean MBA Programmes, Professor of Financial Management Science, Rotterdam School of Management Erasmus University, Netherlands

Real-life decision problems are too complicated to be resolved with a traditional single-objective optimization. With its emphasis on multiple criteria decision making this journal will become, without any doubt, the leading forum for scientific research and innovative application related to this fast growing area.

Prof. Włodzimierz Ogryczak, Institute of Control & Computation Engineering, Warsaw University of Technology, Poland

The area of Multicriteria Decision Making is becoming increasingly important nowadays, as economists and economic agents are becoming more aware of the need to consider multiple aspects and objectives for sustaining their decisions. That is why I believe that the International Journal of Multicriteria Decision Making will play an important role as a new research forum in this area.

Prof. Joao O. Soares, Head of the Engineering and Management Department, Instituto Superior Tecnico, Portugal

Bridging the gap between decision and optimization was and always remains a great scientific challenge. IJMCDM is able to efficiently contribute to this bridging by promoting new ideas, concepts and tools.

Prof. Vangelis Paschos, Chairman of the LAMSADE, Universite Paris-Dauphine, France

IJMCDM joins in its editorial board experts with different perspectives and working in different application areas, which promises a journal where diversity and interdisciplinary it will be strong assets, while maintaining the focus on effective decision aiding. I'm glad to be in the team.

Prof. Manuel Matos, Department of Electrical and Computer Engineering, INESC Porto, Portugal

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What the editors say about IJMCDM (cont.)

Let the IJMCDM achieve excellence and become a flagship journal for all the researchers and practitioners who believe that decision-making with multiple criteria is imperative in our increasingly uncertain world. Let the IJMCDM promote decision-making by the people and for the people.

Prof. Margaret Wiecek, Department of Mathematical Sciences, Clemson University, USA

As the only scientific journal directly addressing the fascinating world of decision-making under many diverse criteria, this innovative periodical has great potential to increase our understanding of these important issues.

Prof. Jerzy W. Grzymala-Busse, Department of Electrical Engineering and Computer Science, University of Kansas, USA

International Journal of Multicriteria Decision Making (IJMCDM) has the unique feature of showing how decision making and optimization problems should be solved in practice in a systematic way and step by step. In addition this journal focuses on solving important practical problems in business, production, operations, manufacturing, and energy systems. I believe that International Journal of Multicriteria Decision Making will be highly regarded and utilized by many research institutes and applied technologies, as well as non-profit and government organizations.

Prof. Behnam Malakooti, Department of Electrical Engineering and Computer Science, Case Western Reserve University, USA

Nowadays, decisions, either in public or private situations, must be correctly supported and IJMCDM has been shown as one of the main tools for this aim. IJMCDM can be the best frame to show methodological, computational and practical aspects on IJMCDM, and can provide efficient support for decisional problem.

Prof. Rafael Caballero, Department of Applied Economics, Universidad de Malaga, Spain

IJMCDM combines work from multidisciplinary areas to analyze the topic of decision making, which is a very important area of study in today's environment.

Prof. William V. Gehrlein, Department of Business Administration, University of Delaware, USA

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