



mathematics



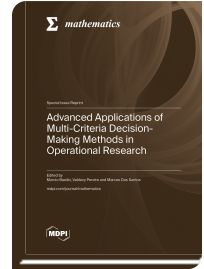
Special Issue Reprint

Advanced Applications of Multi-Criteria Decision-Making Methods in Operational Research

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Decision-making is a constant feature in the lives of individuals and organizations. Choices, whether simple or complex, are shaped by preferences, experiences and available data, and often involve reconciling multiple points of view. Formally, a decision is the selection of a course of action based on information to solve a problem. In this context, Multicriteria Decision Analysis (MCDA) plays a vital role in evaluating options to identify the most favorable alternative or to rank them. MCDA is fundamental in allocating finite resources in the face of competing interests, a daily challenge in organizational and domestic environments. This Reprint presents new methods and applications that support decision-making in various organizational contexts, such as law enforcement agencies and the education sector, featuring the integration of multi-criteria methods, and contextualizes the theory through application to real-world problems.



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