

1. Record Nr.	UNINA9910349341403321
Autore	Alinezhad Alireza
Titolo	New Methods and Applications in Multiple Attribute Decision Making (MADM) // by Alireza Alinezhad, Javad Khalili
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-15009-7
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (236 pages)
Collana	International Series in Operations Research & Management Science, , 0884-8289 ; ; 277
Disciplina	658.403
Soggetti	Operations research Management science Decision making Operations Research, Management Science Operations Research/Decision Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. SMART method -- Chapter 2. REGIME method -- Chapter 3. ORESTE method -- Chapter 4. VIKOR method -- Chapter 5. PROMETHEE I-II-III methods -- Chapter 6. QUALIFLEX method -- Chapter 7. SIR method -- Chapter 8. EVAMIX method -- Chapter 9. ARAS method -- Chapter 10. Taxonomy method -- Chapter 11. MOORA method -- Chapter 12. COPRAS method -- Chapter 13. WASPAS method -- Chapter 14. SWARA method -- Chapter 15. DEMATEL method -- Chapter 16. MACBETH method -- Chapter 17. ANP method -- Chapter 18. MAUT method -- Chapter 19. IDOCRIW method -- Chapter 20. TODIM method -- Chapter 21. EDAS method -- Chapter 22. PAMSSEM I & II -- Chapter 23. ELECTRE I-II-III methods -- Chapter 24. EXPROM I & II method -- Chapter 25. MABAC method -- Chapter 26. CRITIC Method -- Chapter 27. KEMIRA Method.
Sommario/riassunto	This book presents 27 methods of the Multiple Attribute Decision Making (MADM), which are not discussed in existing books, nor studied in details, using various applications. Nowadays, decision making is one of the most important and fundamental tasks of management as an organizational goal achievement that depends on its quality.

Decision making includes the correct expression of objectives, determining different and possible solutions, evaluating their feasibility, assessing the consequences, and the results of implementing each solution, and finally, selecting and implementing the solution. Multiple Criteria Decision Making (MCDM) is sum of the decision making techniques. MCDM is divided into the Multiple Objective Decision Making (MODM) for designing the best solution and MADM for selecting the best alternative. Given that the applications of MADM are mostly more than MODM, wide various techniques have been developed for MADM by researchers over the last 60 years, and the current book introduces some of the other new MADM methods.
