

عنوان مقاله:

Extended MULTIMOORA method for green supplier selection based on entropy measure for objective weighting

محل انتشار:

کنفرانس بین المللی پژوهشهای نوین در مدیریت و مهندسی صنایع (سال: 1394)

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خلاصه مقاله:

Nowadays with increasing awareness of environmental protection and sustainable green development in enterprises, the green supplier selection (GSS) in supply chain has become an important issue for almost every manufacturer in firms. While the works on evaluation and selection the suppliers are abundant, but the environmental issues are rather limited. In this study, we examined multi attribute decision making (MADM) problems to determine the greensupplier among the group of suppliers and ranking them with attention to attributes. Also the full Multiplicative Form added to MOORA (Multi-Objective Optimization by Ratio Analysis) under the name of MULTIMOORA is developed to solve the case study (laptop manufacturer inMalaysia). On the other side, we used objective weights based on Shannon entropy for attribute's weighting. In the numerical example we have two levels for attributes, the main attribute and sub attribute that weight them by using of AHP weighting method. The final results show the average rank of .alternatives from Ratio System, Reference Point and Full Multiplicative Form

کلمات کلیدی:

Green supplier selection, MULTIMOORA, Shannon entropy measure, Environmental protection, MADM

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