

## عنوان مقاله:

Developing an integrated multi-criteria decision making method to prioritize suppliers in project-based organizations by considering environmental and social criteria

## محل انتشار:

اولین کنفرانس ملی بهینه سازی و روش های نوین حل مسئله (سال: 1400)

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## خلاصه مقاله:

Outsourcing getting more important in today's competitive business environment. It has vital role to gain competitive advantage through production strategies, and supplier selection is the significant strategic decision in case of supply chain management. Sustainability have been one of the most important subject over the last decade, which causes firms take more attention to environmental and social norms and balance increasing pressures of market by cooperation with suppliers that have better environmental, economic and social performance. This cooperation would directly affect their sustainability. Sustainable supplier selection deals with environmental, economic and social criteria. Economic and environmental criteria are mostly mentioned in context while little studies focus on social criterion as a one of sustainability dimensions for supplier selection. So, the aim of this paper is to identify environmental and social criteria for supplier selection and prioritize them using fuzzy DEMATEL-ANP method and finally ranks suppliers based on this criteria using fuzzy VIKOR method. This research is implemented in Iran's project based organizations as a case study. Environmental management system, pollution control, health and safety, Local communities influence, green product, resource consumption, green imaginary and human resource management are the identified criteria. This method has no restriction to overcome any issue in case of multi criteria decision making problems.

## کلمات کلیدی:

Supply chain management, supplier selection, Multi criteria decision making, Fuzzy DANP-VIKOR

## لینک ثابت مقاله در پایگاه سیویلیکا:

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