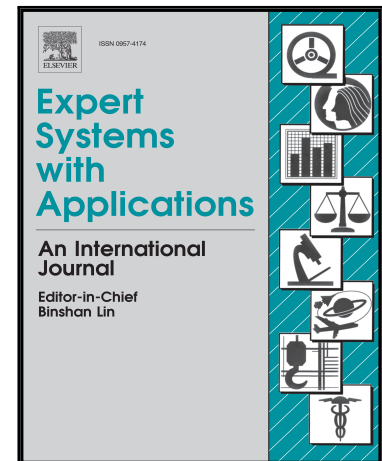


Accepted Manuscript

A multi-objective mathematical model integrating environmental concerns for supplier selection and order allocation based on Fuzzy QFD in beverages industry

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PII: S0957-4174(17)30646-2
DOI: [10.1016/j.eswa.2017.09.041](https://doi.org/10.1016/j.eswa.2017.09.041)
Reference: ESWA 11562



To appear in: *Expert Systems With Applications*

Received date: 27 July 2017
Revised date: 14 September 2017
Accepted date: 15 September 2017

Please cite this article as: Chirag Babbar , Saman Hassanzadeh Amin , A multi-objective mathematical model integrating environmental concerns for supplier selection and order allocation based on Fuzzy QFD in beverages industry, *Expert Systems With Applications* (2017), doi: [10.1016/j.eswa.2017.09.041](https://doi.org/10.1016/j.eswa.2017.09.041)

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Highlights

- A novel Fuzzy QFD model is proposed for determining the weights of the suppliers.
- A stochastic multi-objective programming model is developed for order allocation.
- The application of the model is shown in beverages industry.
- Environmental factors in the QFD method, and one of the objectives are considered.
- The multi-objective model is solved by three solution approaches.

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