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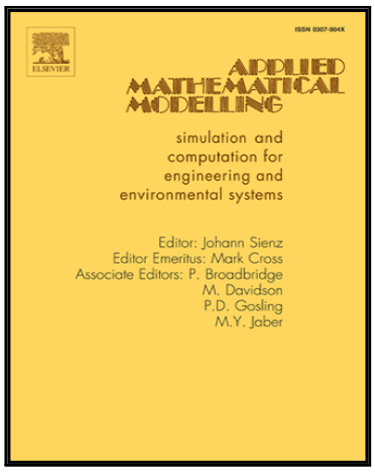

A facility location model for global closed-loop supply chain network design

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PII: S0307-904X(16)30454-1
DOI: 10.1016/j.apm.2016.08.030
Reference: APM 11325

To appear in: *Applied Mathematical Modelling*

Received date: 30 December 2015
Revised date: 10 August 2016
Accepted date: 24 August 2016

Please cite this article as: Saman Hassanzadeh Amin , Fazle Baki , A facility location model for global closed-loop supply chain network design, *Applied Mathematical Modelling* (2016), doi: 10.1016/j.apm.2016.08.030

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Highlights

- We propose a mathematical model for a closed-loop supply chain network.
- Global factors are considered as a novel innovation in the model.
- The model is multi-objective under uncertain demand.
- A solution approach based on fuzzy programming is developed.
- The model is applied in a network in Southwestern Ontario, Canada.

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