

Accepted Manuscript

Integrating decisions of product and closed-loop supply chain design under uncertain return flows

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PII: S0098-1354(18)30074-7
DOI: [10.1016/j.compchemeng.2018.02.011](https://doi.org/10.1016/j.compchemeng.2018.02.011)
Reference: CACE 6025



To appear in: *Computers and Chemical Engineering*

Received date: 7 August 2017
Revised date: 8 February 2018
Accepted date: 13 February 2018

Please cite this article as: Luis J. Zeballos , Carlos A. Méndez , Ana P. Barbosa-Povoa , Integrating decisions of product and closed-loop supply chain design under uncertain return flows, *Computers and Chemical Engineering* (2018), doi: [10.1016/j.compchemeng.2018.02.011](https://doi.org/10.1016/j.compchemeng.2018.02.011)

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Highlights

- We deal with the problems of the product and network design for a multi-product, multi-echelon and multi-period closed-loop supply chain (CLSC).
- We consider uncertainty on the quality and quantity of the return flows.
- We consider an objective function that includes risk adversity criteria.
- We apply the concept behind the CVaR definition to supply chain profits.

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