

## Accepted Manuscript

A bi-objective incomplete hub location-routing problem with flow shipment scheduling

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PII: S0307-904X(18)30024-6  
DOI: [10.1016/j.apm.2018.01.012](https://doi.org/10.1016/j.apm.2018.01.012)  
Reference: APM 12128

To appear in: *Applied Mathematical Modelling*

Received date: 2 January 2016  
Revised date: 27 December 2017  
Accepted date: 8 January 2018

Please cite this article as: Hossein Karimi , Mostafa Setak , A bi-objective incomplete hub location-routing problem with flow shipment scheduling, *Applied Mathematical Modelling* (2018), doi: [10.1016/j.apm.2018.01.012](https://doi.org/10.1016/j.apm.2018.01.012)



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## Highlights

- Modeling some new incomplete hub location–routing problems in deterministic and stochastic environments.
- Considering a flow shipment scheduling in the problem.
- Solving the model when the flow arrival function is a piecewise linear.
- Studying a real case on a postal delivery system.
- Strengthening the model using preprocessing and valid inequalities.

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