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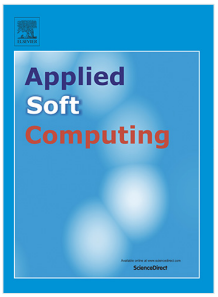

Integrating the whale algorithm with Tabu search for quadratic assignment problem: A new approach for locating hospital departments

Mohamed Abdel-Baset, M. Gunsekaran, Doaa El-Shahat,
Seyedali Mirjalili

PII: S1568-4946(18)30519-2
DOI: https://doi.org/10.1016/j.asoc.2018.08.047
Reference: ASOC 5082

To appear in: *Applied Soft Computing Journal*

Received date : 24 June 2018
Revised date : 14 August 2018
Accepted date : 17 August 2018

Please cite this article as: M. Abdel-Baset, et al., Integrating the whale algorithm with Tabu search for quadratic assignment problem: A new approach for locating hospital departments, *Applied Soft Computing Journal* (2018), https://doi.org/10.1016/j.asoc.2018.08.047

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*Highlights (for review)
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Highlights

- An attempt is made to solve the NP-hard type combinatorial problems using Whale Optimization Algorithm (WOA).
- The proposed algorithm integrates the WOA with a Tabu search for solving the Quadratic Assignment Problem.
- The proposed algorithm is validated using the benchmark problems addressed in the literature.
- Results proved the effectiveness of the proposed algorithm.

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