

## Accepted Manuscript

Title: An Effective Modified Migrating Birds Optimization for Hybrid Flowshop Scheduling Problem with Lot Streaming

Author: Biao Zhang Quan-ke Pan Liang Gao Xin-li Zhang  
Hong-yan Sang Jun-qing Li



PII: S1568-4946(16)30639-1  
DOI: <http://dx.doi.org/doi:10.1016/j.asoc.2016.12.021>  
Reference: ASOC 3960

To appear in: *Applied Soft Computing*

Received date: 7-11-2015  
Revised date: 19-9-2016  
Accepted date: 9-12-2016

Please cite this article as: Biao Zhang, Quan-ke Pan, Liang Gao, Xin-li Zhang, Hong-yan Sang, Jun-qing Li, An Effective Modified Migrating Birds Optimization for Hybrid Flowshop Scheduling Problem with Lot Streaming, Applied Soft Computing Journal <http://dx.doi.org/10.1016/j.asoc.2016.12.021>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

### Highlights

1. The problem of hybrid flowshop hybridizing with lot streaming is addressed with the assumption that sublots of different jobs are not allowed to be intermingled.
2. A so-called shortest waiting time rule is introduced to schedule the jobs concurrently arriving at stages more reasonably.
3. A combined neighborhood search strategy unites the insertion and pairwise exchange operators during evolution
4. Two competitive mechanisms are respectively used to increase the probability of locating better solutions at the front of the flock and enhance the interaction between two lines.
5. The scout phase on the basis of the Glover operator and a well-designed local search is applied to help the individuals escape from local optimums.
6. The dynamic solution acceptance criteria is developed to strike a compromise between intensification and diversification mechanisms.

Download English Version:

<https://daneshyari.com/en/article/4963445>

Download Persian Version:

<https://daneshyari.com/article/4963445>

[Daneshyari.com](https://daneshyari.com)