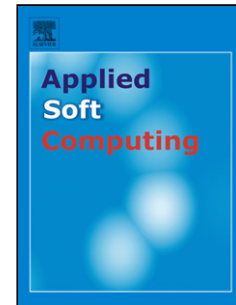


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Modelling and scheduling multi-objective flow shop problems with interfering jobs

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Graphical abstract

Procedure: Multi-objective bio-geography based optimization

Initialization mechanism

While termination criterion is not met **do**

Elitism operator

Rate calculation mechanism

Migration mechanism

Perturbation mechanism

Endwhile

Highlights

1. This paper considers multi-objective flow shops with interfering jobs.
2. The problem is modeled by a mixed integer linear program.
3. A novel biogeography-based optimization is proposed.
4. The performance is compared with three well-known algorithms.

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