

عنوان مقاله:

The Artificial Bee Colony for Order Acceptance and Batch Delivery Problem

محل انتشار:

دومین کنفرانس بین المللی چالش ها و راهکارهای نوین در مهندسی صنایع و مدیریت و حسابداری (سال: 1400)

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نویسنده:

Fariborz kalashia - Payam Noor University, Babol, Iran

خلاصه مقاله:

This paper deals with an Integrated Production-Distribution(IPD) problem suggesting coordinated Order Acceptance and BD in a Supply Chain with several customers that have orders with different sizes. The aim of this problem is to coordinate decisions: production scheduling on parallel machines, batching and Batch Delivery scheduling of accepted orders to maximize total supply chain benefit. Besides the formulated mathematical model for this problem, an Artificial Bee Colony algorithm is used for solving the large-scale instances. A comprehensive set of data is developed in an attempt to investigate the proposed algorithm's efficiency in comparison with the exact solution. In this regard, a commercial solver is utilized which its results evidence the efficiency of proposed model and ABC algorithm.

کلمات کلیدی:

;Order Acceptance, Parallel machine, Batch Delivery, Artificial Bee Colony

لینک ثابت مقاله در پایگاه سیویلیکا:

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