عنوان مقاله:

Developing an Agility Model Focusing on Delivering Products to the Customers in the Supply Chain of Perishable Goods

محل انتشار:

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نویسندگان:

Mohsen Tabadar - *Department of Industrial Management, School of Business and Economics, Persian Gulf University, Bushehr, Iran*

Gholamreza Jamali - *Department of Industrial Management, School of Business and Economics, Persian Gulf University, Bushehr, Iran*

Hojat Parsa - *Department of Economics, School of Business and Economics, Persian Gulf University, Bushehr, Iran*

Moslem Alimohammadloo - *Department of Management, Shiraz University, Shiraz, Iran*

خلاصه مقاله:

The producer can warehouse the perishable items and reuse them in the production line by creating an appropriate cooperation relationship and sharing information related to demand and stocks in order to provide the field to save money, reduce the environmental population, and use natural resources less. Therefore, it is also necessary to use the concept of the supply chain of perishable items in the supply chain. In this study a new approach will be provided to develop the agility of the supply chain to establish an integrated and agile supply chain to create an informational and operational linking bridge between different sections of the supply chain. Hence, a multi-objective mathematical model will be presented considering the maximization of the level of agility, the minimization of the perishing of goods, minimization of the time of distributing goods by systemizing the retail distribution system and since the agile supply chain model is considered as difficult problems, Epsilon- Constraint method and Benders Exact Solution method will be used to develop this research. Benders method is a decomposition algorithm that creates smaller sections of agility in solving the model by decomposing the mathematical model. First, the model is evaluated, and a problem is designed to assess the performance of the proposed model, and it is solved by using GAMS and CPLEX solver. Then the validity of the provided model is analyzed by the approach of the meta-heuristic algorithm Moka.

کلمات کلیدی:

Agility Model, Supply chain, Perishable Goods