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عنوان مقاله:
Designing a bi-objective agro-supply chain model considering freshness-keeping efforts and CO۲ emissions

محل انتشار:
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خلاصه مقاله:
In this paper, a bi-objective agro-supply chain model is presented to optimize the economic and environmental impacts of freshness-keeping efforts for agricultural products. In this regard, products with different quality levels are purchased from producers to be kept in a multi-temperature system and used for nearly one year. In addition, this paper deals with storage location decisions, transportation, and inventory planning. In order to solve the problem, an augmented ε-constraint method is proposed converting a bi-objective model to a single objective. The augmented ε-constraint method will provide an efficient Pareto frontier contemplating a proper balance between total cost .minimization and CO۲ emission reduction

کلمات کلیدی:
Agro-supply chain, Augmented ε-constraint method, Multi-temperature storage system

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