

عنوان مقاله:

AN APPLICATION OF BLOCKCHAIN SYSTEMS IN LIVESTOCK SUPPLY CHAIN MANAGEMENT

محل انتشار:

دوازدهمین کنفرانس بین المللی چالشهای نوین در مهندسی صنایع و مدیریت عملیات (سال: 1397)

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خلاصه مقاله:

The rise of peer-to-peer platforms has advanced for commercial interactions among private individuals and corporations on large scale. In recent years, technology startups have increased the potential of higher resource utilization within the sharing economy. By considering all these concepts, a blockchain can be defined as a database that is shared among its utilizers and allows them to share valuable assets in a public and pseudonymous setup without the reliance on a central authority. Livestock supply chain management studies are generally examining and solving of problems that are in the topic of manufacturing process for centralized distribution concept. In this study, the situation of applying blockchain systems in livestock supply chain management are investigated due to the parameters of security, exchange tools, utilization rates, transactions from the perspectives of consumers and providers. An optimal solution has been a clear objective in the process of finding out what have to be done for decentralized distribution concept of blockchain systems. A framework have been put for understanding the general structure and agent based simulation is utilized for demonstrating the supply chain and effects of parameters within the supply chain

کلمات کلیدی:

Livestock Supply Chain Management, Blockchain Systems, Agent Based Simulation, Scenario and Experimental Analysis

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