The New Techniques of Logistics Management, and Intelligent Systems for a Sustainable Economy"

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Abstract:

In the era of rapid technological advancements and increasing environmental concerns, the integration of new management techniques, logistics strategies, and intelligent systems is critical for achieving a sustainable economy. This paper explores innovative approaches in supply chain management, automation, and artificial intelligence (AI) to enhance efficiency while minimizing environmental impact.

The study highlights how data-driven decision-making, blockchain for transparency, AI-powered predictive analytics, and green logistics contribute to resource optimization and waste reduction. Furthermore, the role of circular economy principles, smart warehousing, and IoT-enabled logistics in driving sustainability is examined.

By leveraging real-time monitoring, digital twins, and machine learning algorithms, businesses can achieve operational resilience, cost reduction, and environmental responsibility. The findings suggest that companies adopting these cutting-edge techniques will not only gain a competitive advantage but also play a pivotal role in promoting socio-economic and environmental sustainability.

Keywords:

Sustainable Economy; Intelligent Systems; Logistics Optimization; AI in Management; Green Supply Chain; Circular Economy.