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Titolo	Applications of Emerging Technologies and AI/ML Algorithms : International Conference on Data Analytics in Public Procurement and Supply Chain (ICDAPS2022) // edited by Manoj Kumar Tiwari, Madhu Ranjan Kumar, Rofin T. M., Rony Mitra
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Descrizione fisica	1 online resource (402 pages)
Collana	Asset Analytics, Performance and Safety Management, , 2522-5170
Disciplina	060
Soggetti	Business logistics Business - Data processing Industrial procurement Machine learning Quantitative research Supply Chain Management Business Analytics Procurement Machine Learning Data Analysis and Big Data
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Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1: Q-Learning Approach to Mitigate Bacterial Contamination in Food Supply Chain -- Chapter 2: Optimization of Network Planning in a Real-Life Vehicle Logistics Distribution System -- Chapter 3: Efficient Supplier Selection in e-Procurement Reverse Auction using Graph Based Model -- Chapter 4: Role of E-procurement and Blockchains in Government Tendering- A Case of China Omnichannel distribution network design for fresh-food procurement considering freshness keeping effort and food quality loss.
Sommario/riassunto	This book provides practical insights into applications of the state-of- the-art of Machine Learning and Artificial Intelligence (AI) for solving intriguing and complex problems in procurement and supply chain

management. The application domain includes perishable food supply chain, steel price prediction, electric vehicle charging infrastructure design, contract price negotiation, reverse logistics network design, and demand forecasting. Further, the book highlights the advanced topics in the procurement field, like AI in green procurement and e-procurement in the pharma sector. Furthermore, the book covers applications of well-established methodologies such as heuristics, optimization, game theory, and MCDM based on the nature of the problem. The inclusion of the vaccine supply chain digital twin and blockchain-based procurement signals the significance of the book. This book is a comprehensive guide for industry professionals to understand the power of data analytics, enabling them to improve efficiency and effectiveness in the procurement and supply chain sectors.

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