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Duong Hoai An

Blockchain applications in agriculture

Revolutionizing the food supply chain

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About the author

Dr. Duong, Hoai An holds a Bachelor's, Master's, and a PhD degree in Economics, specializing in Agricultural Economics. With over two decades of active involvement in academia and research within the agriculture industry, Dr. Duong's impact is noteworthy. He served as a lecturer and researcher at Thai Nguyen University of Agriculture and Forestry in Vietnam from 2008 to 2011 and then again from 2017 to 2023. During this time, he made substantial contributions to both academia and agriculture. His teaching encompassed various agricultural subjects, equipping students with essential knowledge for the agricultural sector. Dr. Duong is also deeply engaged in projects that bridge the gap between theory and practical applications in agriculture, driving innovation and positive change. Dr. Duong has pioneered the integration of blockchain technology into agriculture, accumulating over five years of teaching and research experience in this area. His expertise lies in utilizing blockchain to enhance supply chain management, promote traceability, transparency, and sustainable practices in agriculture. His dedication to advancing the agricultural sector is evident through ongoing cutting-edge research and collaborations with industry stakeholders, aiming to innovate and foster sustainability through blockchain technology.

As a recognized authority at the intersection of agricultural economics and blockchain technology, Dr. Duong authored the book 'Blockchain applications in agriculture: Revolutionizing the food supply chain.' This comprehensive work reflects his profound knowledge and insights, offering readers an in-depth understanding of blockchain's potential to transform the agricultural industry.

Summary

'Blockchain applications in agriculture: Revolutionising the food supply chain' is your definitive guide to the transformative impact of blockchain technology on agriculture and the modern food supply chain. In this comprehensive volume, we begin with "Introduction to blockchain technology," laying the groundwork for readers of all backgrounds. From there, we delve into the intricate relationship between blockchain and the agriculture industry in "Overview of the agriculture industry". The heart of the book explores practical applications in agriculture and the supply chain, including "Blockchain-based supply chain management," "Farming and crop management," "Livestock management and animal welfare," and "Food safety and quality assurance." We also explore how blockchain revolutionizes "Agricultural finance and insurance" and fosters "Sustainable agriculture and supply chain sustainability". Drawing on "Case studies and real-world examples," you'll see blockchain in action, offering invaluable insights for farmers, supply chain professionals, academics, and policymakers. Our forward-looking chapter, "Future Trends and Challenges of Blockchain," anticipates the evolving landscape of this groundbreaking technology. This book stands out for its depth, practicality, and relevance. It is equally suitable for reference, as a methodological guide, for classroom adoption, or as essential reading for researchers and practitioners in the fields of agriculture, technology, supply chain management, and policy. Whether you're seeking to optimize farming practices, enhance supply chain transparency, or understand the regulatory implications, 'Blockchain applications in agriculture' equips you with the knowledge and inspiration needed to navigate the future of food production and distribution. Join the agricultural revolution today.

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