

Advanced Computational Methods for Agri-Business Sustainability

Part of the Advances in Business Information Systems and Analytics Book Series

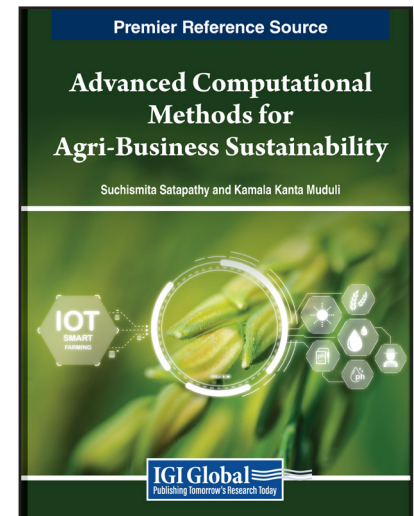
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Description:

Globalization has transformed agri-food markets, creating a single global market with reduced trade barriers. In theory, this should bring increased food security, yet challenges persist. Small farmers often need help integrating into global sourcing networks and meeting stringent food safety regulations. Additionally, there is increasing pressure on businesses and governments to address the environmental and resource consequences of agri-food production.

Advanced Computational Methods for Agri-Business Sustainability offers a comprehensive analysis of agricultural sector challenges and provides practical solutions. It identifies potential issues in agri-food management and supply chains, offers mitigation strategies, and highlights opportunities for sustainable development. The book aims to bridge the gap between theory and practice, providing insights for academics, policymakers, and industry professionals.

This book will be invaluable to professionals and researchers in agriculture, engineering, public health, management, and anthropology. It covers a wide range of topics, including applying computational and optimization techniques in agricultural activities, safety and sustainability in agricultural-sector supply chains, and using innovative technologies like IoT, AI, and robotics. The book also addresses human factors, risk management, and organizational performance in agri-food management, making it a comprehensive resource for those in the agricultural industry.



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Topics Covered:

- Agricultural Activities
- Anthropometry
- Cognitive Ergonomics
- Computational Techniques
- Ergonomic Assessment
- Food Safety
- Human Factors
- Innovation
- Intelligent Agri-System
- IoT, AI, Robotics
- Organizational Performance
- Physical Ergonomics
- Risk Management
- Safety in Agriculture
- Supply Chain Management

Subject: Business & Management

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(Research Recommended)

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