CALL FOR BOOK CHAPTERS

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Introduction

The current ecological situation has led supply chains (SC) to display their commitment to environmental and sustainable issues. In the past decade, attention to the subject has been marked by a huge interest in proposing a large region coverage and a deep methodological and theoretical background. In the context of environmental and social sciences, sustainability is defined as "the practice of meeting the needs of the present without compromising the ability of future generations to meet their own needs (Thomsen, 2013). Sustainability insights have become increasingly crucial in supply chain management. As global supply chains face increasing challenges from environmental concerns, resource scarcity, and evolving consumer demands, the integration of innovative technologies and renewable energy sources has become crucial. The nexus between performing sustainable goals and the potential of emerging technologies is well discussed even though it is scarce in the management field (Sipola et al., 2023). Digital technologies like Blockchain (BC), Artificial intelligence (AI), and Internet of Things (IoT) have been gaining attention in the literature as supporting sustainable practices in the supply chain (Jiang et al., 2024; Kumar & Barua, 2022; Rehman & Umar, 2025). Moreover, firms acknowledge that while emerging technologies play a largely positive role in enabling sustainability, they may also present some risks. This underscores the need for careful implementation to maximize benefits while mitigating potential drawbacks in supply chain sustainability efforts. The transition to sustainability could pass by a sustainable business model innovation (SBMI) (Atkova et al., 2025) through technological and organizational innovation. This perspective considers the generation, delivery, and capturing of value through technology and sustainable practices. The SBMI refers to "a business model fulfilling the following criteria: (i) it offers multiple value propositions to customers and all other stakeholders, (ii) it creates and delivers the corresponding forms of value, i.e., a value portfolio, (iii) and it captures economic value for the business while it maintains or regenerates natural, social and economic capital beyond the boundaries of the focal organization" (Freudenreich et al., 2019; p.6). Some researchers call the dynamic capabilities perspective (Abdelfattah et al., 2025; Bocken & Geradts, 2020) to unlock the effectiveness of the ecological transition. At a higher level of analysis, the literature calls the "green dynamic capabilities" referring to the ability to sense ecological opportunities (Li et al., 2024). It implies the development of sustainable skills and competencies to perform the technological and environmental innovations launched by the willingness to change. On the economic side, it affects the financial performance through the management of environmental risks to the firm.

Objective

The present book attempts to cover the topic of sustainability through several practices, such as renewable energy consideration and the potential of emerging technologies in the context of the supply chain. The former insights and the following ones are welcomed to unveil the problem of sustainability in supply chains. Authors are encouraged to submit original research, case studies, and theoretical discussions that contribute to the understanding and advancement of sustainable supply chains through technology and renewable energy.

Recommended Topics

- Sustainability in Supply Chains (Definition and importance of sustainability, Historical perspective and evolution of sustainable practices)
- Emerging Technologies Transforming Supply Chains (Overview of key technologies (AI, IoT, blockchain, etc.),
- Impact of these technologies on supply chain efficiency and sustainability, Sustainable business model innovation)
- Artificial Intelligence and Machine Learning (Applications in demand forecasting and inventory management, Enhancing decision-making for sustainable practices)
- Internet of Things (IoT) (Real-time tracking and monitoring of goods, Reducing waste and improving resource utilization)
- Blockchain Technology (Ensuring transparency and traceability in supply chains, Combating fraud and ensuring ethical sourcing)
- Big Data and Analytics (Leveraging data for predictive analytics and optimization, Enhancing sustainability through data-driven insights)
- Renewable Energy Integration (Adoption of renewable energy sources in supply chain operations, Case studies of successful implementation)
- Circular Economy and Closed-Loop Supply Chains (Principles of circular economy, Designing supply chains for product lifecycle management and recycling)
- Sustainable Transportation and Logistics (Innovations in green transportation (electric vehicles, drones, etc.), Reducing carbon footprint in logistics)
- Ethical Sourcing and Fair Trade (Ensuring fair labor practices and ethical sourcing, Impact on brand reputation and consumer trust)
- Regulatory and Compliance Issues (Understanding global sustainability regulations, Strategies for compliance and risk management)
- Case Studies and Best Practices (Real-world examples of sustainable supply chain initiatives. Lessons learned and key takeaways)
- Future Trends and Innovations (Emerging trends in sustainability and technology)

Submission Procedure

Researchers and practitioners are invited to submit on or before **Mai 6, 2025**, a chapter proposal of 1,000 to 2,000 words clearly explaining the mission and concerns of his or her proposed chapter : to submit your proposal : https://www.igi-global.com/publish/call-for-papers/submit/8735

Authors will be notified by **Mai 20, 2025** about the status of their proposals.

Full chapters of a minimum of 10,000 words (word count includes references and related readings) are expected to be submitted by **July 20, 2025**, and all interested authors must consult the guidelines for manuscript submissions at : https://www.igi-global.com/publish/contributor-resources/before-you-write/

All submitted chapters will be reviewed on a double-anonymized review basis. Contributors may also be requested to serve as reviewers for this project.

All proposals should be submitted through the eEditorial Discovery® online submission manager.