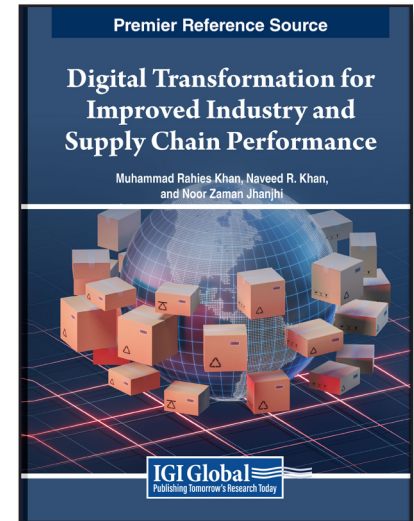


# Digital Transformation for Improved Industry and Supply Chain Performance

Part of the Advances in Logistics, Operations, and Management Science Book Series

Muhammad Rahies Khan (Bahria Business School, Bahria University, Pakistan), Naveed R. Khan (Faculty of Business and Management, UCSI University, Malaysia) and Noor Zaman Jhanjhi (Taylor's University, Malaysia)



## Description:

In the rapidly evolving landscape of Industry 4.0, integrating digital technologies into supply chain management (SCM) presents opportunities and challenges. While Industry 4.0 promises increased efficiency, productivity, and competitiveness, its impact on sustainability within SCM remains a pressing concern. Existing literature often needs to look more into the holistic integration of Industry 4.0 technologies with sustainable practices in SCM, leaving a critical gap in understanding and implementation. This gap not only inhibits the realization of sustainable performance but also hinders firms from aligning with global sustainability agendas such as the United Nations Sustainable Development Goals (UNSDG) 2030.

**Digital Transformation for Improved Industry and Supply Chain Performance** offers a comprehensive solution by examining the integration of Industry 4.0 technology and SCM sustainability. It addresses the urgent need for firms to undergo digital transformation to achieve sustainable performance. It provides insights into how Industry 4.0 technologies can be strategically leveraged to promote sustainability in SCM operations. The book bridges the gap between theory and practice by synthesizing multidisciplinary perspectives from supply chain management, sustainability, industrial engineering, and technology, offering actionable insights for researchers and industry professionals.

Through in-depth analysis of critical topics such as cybersecurity, resilience, circular economy practices, and ethical considerations, this book equips readers with the knowledge and tools necessary to navigate the complexities of Industry 4.0-enabled SCM sustainability. Presenting real-world case studies and best practices offers practical guidance for organizations seeking to implement sustainable practices in the era of Industry 4.0. With its multidimensional approach and forward-thinking perspective, our book is a definitive resource for understanding, implementing, and advancing sustainable SCM practices in the digital age.

**ISBN:** 9798369353752

**Pages:** 330

**Copyright:** 2024

**Release Date:** April, 2024

**Hardcover:** \$325.00

**E-Book:** \$325.00

**Hardcover +  
E-Book:** \$390.00

## Topics Covered:

- Additive Manufacturing
- Artificial Intelligence
- Circular Economy
- Collaboration
- Cybersecurity
- Digital Transformation
- Governance
- Industry 4.0
- Internet of Things
- Metrics
- Resilience
- Robotics
- Supply Chain Management
- Sustainability
- Workforce Transition

**Subject:** Business & Management

**Classification:** Edited Reference

**Readership Level:** Advanced-Academic Level  
(Research Recommended)

**Research Suitable for:** Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

### Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: [www.igi-global.com](http://www.igi-global.com)

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA