Supply Chain Sustainability and Raw Material Management:
Concepts and Processes

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Many organizations find supply chain management an essential prerequisite to building a sustainable competitive edge for their services or products. While interest in SCM is enormous, lack of theoretical frameworks and real world applications often characterizes research in the field, and effective management of the supply chain remains elusive.

Supply Chain Sustainability and Raw Material Management: Concepts and Processes is a comprehensive and up-to-date resource for operations researchers, management scientists, industrial engineers, and other business practitioners and specialists looking for systemic and advanced discussions of supply chain management. By presenting qualitative concepts, quantitative models, and case studies, this book is a coherent guide to creating long-term and sustainable performance for organizations who want to compete in the global market.

Topics Covered:

- Green Supply Chain Management
- Lean, Agile and Leagile Supply Chain Management
- Logistics Management
- Operations Management
- Real-Life Supply Chain Planning
- Supplier Relationship Management
- Supply Chain Management
- Supply Chain Risk Management
- Sustainable Supply Chain Management

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Reza Zanjirani Farahani graduated with a PhD in Industrial Engineering from Sharif University of Technology. Dr. Farahani has around 12 years experience in academia and business including at National University of Singapore (2 years as Research Fellow A), Sharif University of Technology (4.5 years as teaching fellow) and Amirkabir University of Technology (5.5 years as assistant Prof. and associate Prof.). Farahani is currently working as Senior Lecturer at Kingston Business School. Over recent years he has published many journal papers mostly published in top tier journals like European Journal of Operational Research, Journal of Operational Research Society, Computers & Operations Research, International Journal of Production Research, International Journal of Production Economics, Computers & Industrial Engineering, and Annals of Operations Research in various areas of operations management like supply chain management and outbound logistics, inbound logistics, operations management, transportation planning, facilities planning, facilities location and facilities design using traditional and modern operations research techniques. Moreover, he has several published and accepted books and book chapters with leading publishers like Springer-Verlag, Elsevier, and IGI Global. Dr. Farahani has had many grants over last 10 years from different industries.
Section 1: Basic Concepts

Chapter 1
Supply Chain Analysis and Typology
Aghili Seyedehnasim (Amirkabir University of Technology, Iran)
Sedghi Mahdieh (Amirkabir University of Technology, Iran)

Chapter 2
Strategic Issues of Supply Chain Design and Management
Heidari Nooshin (Amirkabir University of Technology, Iran)
Rezapour Shabnam (Urmia University of Technology, Iran)

Chapter 3
Integration in Supply Chain Management
Mosaffa Marzieh (Amirkabir University of Technology, Iran)
Tafazzoli Sajdeh (Amirkabir University of Technology, Iran)

Chapter 4
Coordination in Supply Chain Management
Sajadieh Mohsen (Sharif University of Technology, Iran)
Baloostarabani Aline (Wayne State University, USA)

Chapter 5
Collaborative Planning
Ghadimi Saeed (University of Florida, USA)

Chapter 6
Future Trends in SCM
Farshadi Reza Zanjirani (Kingston University London, UK)
Dudgostami Farz (Amirkabir University of Technology, Iran)
Tirdad Ali (University of British Columbia, Canada)

Section 2: Special and Advanced Areas

Chapter 7
Complex Real-Life Supply Chain Planning Problems
Fahimnia Behnam (University of South Australia, Australia)
Ebrahim Mohammad Hassan (Infotech International Company, Iran)
Molavi Reza (Iran Broadcasting Services, Iran)

Chapter 8
CRM, SRM and Marketing in Supply Chain
Kamran Mehdi Abdollahi (Urmia University of Technology, Iran)

Chapter 9
Paradigm of Supply Chain Management
Heydari Jafar (Tarbiat Modares University, Iran)

Chapter 10
Supply Chain Risk Management
Nikahaksh Ehsan (Tarbiat Modares University, Iran)

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