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Sustainable Procurement in Supply Chain Operations

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Logistics Operations, Supply Chain Management and Sustainability

Sustainable Food Supply Chains

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Green Supply Chain Management for Sustainable Business Practice

Ethical and Sustainable Supply Chain Management in a Global Context

Toward Sustainable Operations of Supply Chain and Logistics Systems

Sustainable Logistics and Supply Chain Management

Ethics and Sustainability in Global Supply Chain Management

Sustainability in Supply Chain Management Casebook

Global Perspectives on Green Business Administration and Sustainable Supply Chain Management

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Handbook of Research on Sustainable Supply Chain Management for the Global Economy

Sustainable Logistics and Strategic Transportation Planning

Sustainability and Collaboration in Supply Chain Management

Sustainable Logistics and Supply Chain Management (Revised Edition)

Supply Chain Management and Logistics in the Global Fashion Sector

Environmental Sustainability in Asian Logistics and Supply Chains

Supply Chain Sustainability

Innovative Logistics Services and Sustainable Lifestyles

Best Practices in Green Supply Chain Management

Green Logistics and Transportation

Supply Chain Sustainability and Raw Material Management: Concepts and Processes

Sustainable Operations and Supply Chain Management

Smart and Sustainable Supply Chain and Logistics – Trends, Challenges, Methods and Best Practices

Sustainability in Global Value Chains

Applications of Contemporary Management Approaches in Supply Chains

Sustainable Supply Chains

The Lean Sustainable Supply Chain

Sustainable Logistics and Supply Chain Management

Sustainable Logistics and Supply Chains

Supply Chain Strategies, Issues and Models

Sustainable Supply Chain Management

The transport, storage and handling of goods impose a heavy burden on the environment. As concern for the environment rises, companies must take more account of the external costs of logistics associated mainly with climate change, air pollution, noise, vibration and accidents. Leading the way in current thinking on environmental logistics, Green Logistics provides a unique insight on the environmental impacts of logistics and the actions that companies and governments can take to deal with them. It is written by a group of leading researchers in the field and provides a comprehensive view of the subject for students, managers and policy-makers. Fully updated and revised, the 3rd Edition of Green Logistics takes a more global perspective than previous editions. It introduces new contributors and international case studies that illustrate the impact of green logistics in practice. There is a new chapter on the links between green logistics and corporate social responsibility (CSR) and a series of postscripts examining the likely effects of new developments, such as 3D printing and distribution by drone, on the environmental footprint of logistics. Other key topics examined in the book include: carbon auditing of supply chains; transferring freight to greener transport modes; reducing the environmental impact of warehousing; improving the energy efficiency of freight transport; making city logistics more environmentally.
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Sustainable Logistics and Supply Chain Management

Ideal for use on related courses, the 3rd Edition of Green Logistics includes indispensable online supporting materials, including graphics, tables and chapter summaries, as well as technical information and guidelines for teachers and lecturers. The book is endorsed by the Chartered Institute of Logistics and Transport (CILT).

Sustainable Supply Chain Management

Written by three leading experts, this revised edition of Sustainable Logistics and Supply Chain Management looks at key areas in the field, such as: product design, procurement, cleaner production, freight transport, warehousing and storage, purchasing, supply management, reverse logistics, recycling, and strategy. The book now offers downloadable supplemental materials for professors and instructors, including PowerPoint presentations, exercises, key concepts, and study questions and answers. The authors have updated the tables and graphs and re-written the case studies to sharpen their focus and give them a pedagogical perspective.

Green Logistics

Heavy industrialization in the past few decades has caused several global environmental issues including poor air quality, climate change, and outdoor air pollution-related diseases. As such, consumer pressure coupled with strict governmental policies have influenced firms to adopt and implement green practices in their supply chain and business operations in order to improve socio-environmental sustainability. Global Perspectives on Green Business Administration and Sustainable Supply Chain Management is an essential reference book that discusses innovative green practices including recycling, remanufacturing, reduction in waste and adoption of renewable energy in manufacturing. It also examines environmentally friendly policies that have been adopted by many European and Western countries. Featuring coverage on a broad range of topics such as energy analysis, environmental protections, and logistics development, this book is ideally designed for managers, operations managers, executives, manufacturers, environmentalists, researchers, industry practitioners, academicians, and students.

Sustainable Procurement in Supply Chain Operations

Various industries in modern society can contribute to many different sustainable development initiatives. By implementing better processes for resource usage and its impacts, businesses can play a vital role in creating a cleaner environment. Ethics and Sustainability in Global Supply Chain Management is a comprehensive reference source for the latest scholarly material on organizational procedures and methods that ensure environmental sustainability, while maintaining effective production processes. Highlighting the most innovative topics and perspectives, such as life cycle costing, waste management, and business leadership, this book is ideally designed for professionals, academics, practitioners, graduate students, and researchers interested in developing green supply chain processes.

Sustainable Operations and Closed Loop Supply Chains, Second Edition

Lean, green supply chain management combines the efficiency that lean technologies deliver with the environmental and cost benefits of sustainability. The Lean Sustainable Supply Chain illuminates the business benefits of combining “lean” and “green,” and offers start-to-finish guidance for redesigning company infrastructure and technologies to achieve these benefits. Palevich introduces the essential concepts of lean green supply chain management, illuminating
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The book offers a comprehensive guide to sustainable logistics and supply chain management. It covers the journey towards sustainability for any organization, focusing on the triple bottom line of economic, environmental, and social returns. The author explains how to reduce waste in operations using tools such as lean and Six Sigma. He also guides through life cycle assessment (LCA) methodology for products or processes, assessing environmental impact throughout the lifecycle.

The book addresses modern logistics and supply chain challenges, organized into five main themes: strategy and management, ICT, vertical and horizontal collaboration, intelligent hubs, and policy for sustainable logistics. It examines logistics from a comprehensive viewpoint, aiming for an intelligent transport system that is efficient, cost-effective, safe, reliable, and competitive. The book focuses on supply chain, logistics, and transport options, technological developments, infrastructural aspects, information flows, financial and legal domains, harmonization, and implementation complexity. It presents new approaches to coordination and governance models.

Logistics Operations, Supply Chain Management and Sustainability

This book presents qualitative aspects of logistics operations and supply chain management to implement sustainable principles in companies and institutions. Authors address issues like reverse network configuration, forward and reverse supply chain integration, CO2 reduction in transportation, and improvement of production operations and recovery activities. It is valuable for both academics and practitioners in the field of logistics operations and management.
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Sustainable Food Supply Chains The tactical organization of resources is a vital component to any industry in modern society. Effectively managing the flow of materials through various networks ensures that the requirements of customers are met. Sustainable Logistics and Strategic Transportation Planning is a pivotal reference source for the latest research on the management of logistics through the lens of sustainability, as well as for emerging procedures that are particularly critical to the transportation sector. Highlighting international perspectives, conceptual frameworks, and targeted investigations, this book is ideally designed for policy makers, professionals, researchers, and upper-level students interested in logistics and transport systems.

Green Supply Chain Adopting sustainable practices is crucial for all businesses in the 21st century. Sustainable Logistics and Supply Chain Management is the essential guide to the principles and practices of sustainable logistics operations and the responsible management of the entire supply chain. Based on extensive research by experts in the field, this comprehensive book covers the whole scope of sustainable logistics. The book provides carefully reviewed research-led applications and case studies that have been especially developed for this revised edition with particular attention for use in a teaching context. The mini case studies are highly topical, relating the theoretical concepts to practice and what is actually happening 'on the ground'. Examining the subject in an integrated manner, this book examines all the key areas in sustainable logistics and supply chain management, including: sustainable product design and packaging; sustainable purchasing and procurement; cleaner production; environmental impact of freight transport; sustainable warehousing and storage; sustainable supply management; reverse logistics and recycling; supply chain management strategy, and much more. A vital teaching resource for any course on sustainable logistics, this revised edition of Sustainable Logistics and Supply Chain Management includes valuable supporting online materials, including PPT presentations, chapter summaries, learning objectives, tips for teaching and in class activities. Written by three leading experts on the subject, Sustainable Logistics and Supply Chain Management is a comprehensive yet highly accessible guide to sustainable supply chain management. The book provides an excellent insight into the topic that will help managers, students, and scholars grasp the fundamentals of green supply and logistics management.

Green Supply Chain Management The global supply chain creates environmental and social burdens during different stages of production and distribution. Ethical and sustainable practices along the supply chain seek to minimize these burdens and ensure fair labor practices, lower emissions, and a cleaner environment. Ethical and Sustainable Supply Chain Management in a Global Context uses cases, qualitative studies, empirical results, and analyses of legal frameworks to focus on ethics and sustainability as they relate to the management of global supply chains. Featuring research on topics such as production planning, consumer awareness, and labor laws, this book is ideally designed for managers, policymakers, professionals, researchers, and students working in the field of sustainable development and related disciplines including marketing, economics, finance, operations management, supply chain management, environmental science, and waste management.

Green Supply Chain Management for Sustainable Business Practice This book identifies and furthers the state of the art in green logistics and transportation with a supply chain focus. It includes discussions on concerns and linkages across policy, corporate strategy and operations and inter-organizational relationships and practices. Separate sections are assigned to discuss issues related to greening of
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Logistics and transportation functions, including green logistics network, green land transportation and green air and water transportation. Linking research with practice is another important feature of the book as various techniques and research methodologies are utilized to explain and analyze green logistics and transportation concepts and issues. The authors come from throughout the world from a variety of backgrounds (e.g. policy, technical, engineering, and management backgrounds) to provide solutions and insights from their regional and global perspectives to some of the world’s most critical green logistics and transportation issues.

Ethical and Sustainable Supply Chain Management in a Global Context In the 21st century, supply chain operations and relationships among supply chain partners have become highly challenging, necessitating new approaches, e.g., the development of new models. Supply Chain Strategies, Issues and Models discusses supply chain issues and models with examples from actual industrial cases. Expert authors with a wide spectrum of knowledge working in various areas of supply chain management from various geographical locations offer refreshing, novel and insightful ideas and address possible solutions using established theories and models. Supply Chain Strategies, Issues and Models features studies that have used mathematical modeling, statistical analyses and also descriptive qualitative studies. The chapters cover many relevant themes related to supply chains and logistics including supply chain complexity, information sharing, quality (six sigma), electronic Kanbans, inventory models, scheduling, purchasing and contracts. To facilitate easy reading, the chapters that deal with supply chain related issues are first, followed by studies on inventory, scheduling, purchasing and logistics. This book can be used as a useful resource of supply chain management by academics, students and practitioners. This book can serve as a helping tool in managerial decision making for investments in collaboration and information exchange to improve forecasts, scheduling and inventory management, and for supply chain managers to leverage product and process complexities into competitive advantage. Some interesting mathematical models can appeal to students and researchers interested in modeling the impact of information sharing in supply chains.

Toward Sustainable Operations of Supply Chain and Logistics Systems Supply chains are significant in improving business efficiency. Sustainable supply chains help industries enhance their ecological, monetary, and social performance. Innovative research frameworks as well as the modelling of sustainability issues are significant to different stakeholder’s perspectives. This book guides researchers and practitioners through developing effective sustainable supply chains to meet UN Sustainable Development Goals (SDGs).

Sustainable Logistics and Supply Chain Management This book is primarily intended to serve as a research-based textbook on sustainable supply chains for graduate programs in Business, Management, Industrial Engineering, and Industrial Ecology, but it should also be of interest for researchers in the broader sustainable supply chain space, whether from the operations management and industrial engineering side or more from the industrial ecology and life-cycle assessment side. Finding efficient solutions towards a more sustainable supply chain is increasingly important for managers, but clearly this raise difficult questions, often without clear answers. This book aims to provide insights into these kinds of questions for students and practitioners, based on the latest academic research.

Sustainable Supply Chain Management The integration of eco-friendly aspects, tools and solutions into a conventional supply chain leads to environmentally friendly global processes in the manufacturing and service industry. This book offers a selection of chapters that...
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Explain the impact of green supply chain solutions on value-making chains. The aim of this book is to help students at all levels as well as managers and researchers to understand and appreciate the concept, design and implementation of green supply chain solutions in the Industry 4.0 era.

Ethics and Sustainability in Global Supply Chain Management Today, one of the top priorities of an organization's modern corporate strategy is to portray itself as socially responsible and environmentally sustainable. As a focal point of sustainability initiatives, green supply chain management has emerged as a key strategy that can provide competitive advantages with significant parallel gains for company profitability. In designing a green supply chain, the intent is the adoption of comprehensive and cross-business sustainability principles, from the product conception stage to the end-of-life stage. In this context, green initiatives relate to tangible and intangible corporate benefits. Sustainability reports from numerous companies reveal that greening their supply chains has helped reduce operating cost, thus boosting effectiveness and efficiency while increasing sustainability of the business. Green Supply Chain Management provides a strategic overview of sustainable supply chain management, shedding light on the theoretical background and key principles of the topic. Specifically, this book covers various thematic areas including benefits and impact of green supply chain management; enablers and barriers on supply chain operations; inbound and outbound logistics considerations; and production, packaging and reverse logistics under the notion of "greening". The ultimate aim of this textbook is to highlight the challenges in the implementation of green supply chain management in modern companies and to provide a roadmap for decision-making in real-life cases. Combining chapter summaries and discussion questions, this book provides an accessible and student-friendly introduction to green supply change management and will be of great interest to students, scholars and practitioners in the fields of sustainable business and supply chain management.

Sustainability in Supply Chain Management Casebook This book discusses the critical contemporary issues of sustainability and integration of physical and information flow. It explores the digitalization of logistics processes and the need for a more integrated and a seamless cooperation in supply chain management, which are dominant trends in business practice. Moreover, it examines how the pressure for CO2 emission reductions and more resource-efficient business models influences the organization of logistics operations on both a local and global scale, demonstrating that integrating physical and cyber systems is necessary to achieve a more environmentally friendly, safe logistics and supply chain operations. In the individual chapters, the authors discuss the new qualitative and quantitative theoretical methods and models and also analyze case studies from business practice. This book provides valuable insights for academics, Ph.D. students and practitioners wishing to deepen their understanding of logistics operations and management.

Global Perspectives on Green Business Administration and Sustainable Supply Chain Management Sustainability is an increasingly urgent and important factor in logistics and supply chain management, impacting the whole supply chain lifecycle from product design and development, to supplier management, packaging, transportation, warehousing and distribution. The third volume of the Supply Chain Case Study Collection, the Sustainable and Green Supply Chains and Logistics Case Study Collection contains real-life scenarios from leading companies who are pursuing a sustainability agenda. Cases cover sustainability and 'green' practices in a range of different industries, from food through to manufacturing and construction, and in a variety of organization sizes. They are written by leading...
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Sustainable and Green Supply Chains and Logistics Case Study Collection The ways in which we design, make, transport and then discard clothes has a huge social and environmental impact. This book covers responsible business practices and sustainability in the fashion industry from the raw fibre stage, through production, to the point of customer consumption. The concepts of responsibility and sustainability are fast becoming essential factors in business decisions and Responsible Supply Chain Management leads the reader through the multiple stages in the supply chain that can impact on business strategy. A perfect resource for students studying fashion and for those working in the sector who wish to identify the latest thinking as they plan sustainability strategies, the book is divided into four clear sections. The first introductory part of the book examines sustainability in the supply chain by identifying the main three pillars of sustainability (social, economic and environmental) and considers which fashion brands are innovating in this area. Part two looks at fashion logistics and supply chain operations by assessing fibre, yarn and fabric considerations, logistical issues for both garment production, and service delivery, stock control, transportation, barriers and risks. The third part develops the logistics theme further by identifying recent trends and case studies that highlight agility and lean management structures, and the application of transparency enhancing RFID. This section further applies modelling and simulation techniques from the automotive and pharmaceutical industries to the fashion sector. The final part considers how sustainability can be embedded into the multi-tiered fashion supply chain and its selling environment.

Handbook of Research on Sustainable Supply Chain Management for the Global Economy Best Practices in Green Supply Chain Management uses present case studies from the Indian and Mexican manufacturing industries to offer new insights on the challenges of integrating environmental awareness into supply chain management operations in developing countries.

Sustainable Logistics and Strategic Transportation Planning Sustainable Logistics and Supply Chain Management is the essential guide to the principles and practices of sustainable logistics operations. Based on extensive research, this book covers the whole scope of sustainable logistics. The case studies, with particular attention for use in a teaching context, relate the theoretical concepts to practice and what is happening 'on the ground'. Sustainable Logistics and Supply Chain Management examines all the key areas in sustainable logistics and supply chain management, including: sustainable product design and packaging; sustainable purchasing and procurement; environmental impact of freight transport; sustainable warehousing and storage; and much more. Sustainable Logistics and Supply Chain Management is a highly accessible guide to sustainable supply chain management. It provides an excellent insight into the topic that will help managers, students, and scholars grasp the fundamentals of green supply and logistics management. A vital teaching resource for courses on sustainable logistics, this revised edition includes valuable supporting online materials.

Sustainability and Collaboration in Supply Chain Management In today's rapidly changing business environment, strong influence of
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Globalization and information technologies drive practitioners and researchers of modern supply chain management, who are interested in applying different contemporary management paradigms and approaches, to supply chain process. This book intends to provide a guide to researchers, graduate students and practitioners by incorporating every aspect of management paradigms into overall supply chain functions such as procurement, warehousing, manufacturing, transportation and disposal. More specifically, this book aims to present recent approaches and ideas including experiences and applications in the field of supply chains, which may give a reference point and useful information for new research and to those allied, affiliated with and peripheral to the field of supply chains and its management.

Sustainable Logistics and Supply Chain Management (Revised Edition) Sustainability can create greater efficiency and cost savings in the supply chain. Supply chains, which are more complex and global than ever before, are full of both risks and opportunities. The risks range from inconsistent or poor quality to supply disruptions to health and safety concerns to corruption. Businesses face pressure to adopt sustainable supply chain practices from various stakeholders and motivations typically come from one or more of four sources: customers, compliance, costs, competitive advantage. Sustainability in Global Value Chains is the guide to understanding all aspects and approaches of sustainable supply chains using in-depth research from leading academics from sixteen different universities. Sustainability in Global Value Chains focuses on how to make supply chains sustainable, with an emphasis on new technologies and digitization. The research featured covers topics such as KPIs in production and supply chains, the role of standards, blockchain technology and algebraic models. This comprehensive book presents real world issues, problems in implementing sustainability in the supply chain and examples of best practice.

Supply Chain Management and Logistics in the Global Fashion Sector This book focuses on the need to develop sustainable supply chains - economically, environmentally and socially. This book is not about a wish list of impractical choices, but the reality of decisions faced by all those involved in supply chain management today. Our definition of sustainable supply chains is not restricted to so-called “green” supply chains, but recognises that in order to be truly sustainable, supply chains must operate within a realistic financial structure, as well as contribute value to our society. Supply chains are not sustainable unless they are realistically funded and valued. Thus, a real definition of sustainable supply chain management must take account of all relevant economic, social and environmental issues. This book contains examples from a wide range of real-life case studies, and synthesizes the learnings from these many different situations to provide the fundamental building blocks at the centre of successful logistics and supply chain management.

Environmental Sustainability in Asian Logistics and Supply Chains It is commonly recognized that logistics has become a major strategic issue for all companies, whether they are part of the primary, secondary or tertiary sector. Faced with the external pressures of globalization and competition, logistics optimizes processes and reduces production and delivery cycles. The use of Sustainable Supply Chain Management (SuSCM) is now increasingly at the center of thought, due to the numerous factors favoring its implementation: requests from various stakeholders, governmental pressures (decrees, laws, regulations, etc.), environmental pressures (pollution, disappearance of fuel fossils, etc.) and societal pressures (reputation/image, protection, etc.). However, there are still obstacles to the implementation of SuSCM. This book is an attempt to present the main challenges and solutions regarding the implementation of SuSCM in Asian logistics and supply chains.
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Implementation of SuSCM, including significant costs, the complexity of coordination and the lack of communication within the whole supply chain. Nevertheless, it should nowadays be included by any organization in its decision towards a strategic approach towards sustainability. This book presents each economic, environmental and societal aspect of SuSCM. By considering each of these dimensions separately, the primary objective is to facilitate the implementation of the elements that make it up. Readers are also provided with several “strategic interpretive lenses” to be able to perform audits and diagnostics of each component. Contents: 1. The Economic Aspect of Sustainable Supply Chain Management. 2. The Environmental Aspect of Sustainable Supply Chain Management. 3. The Social/Societal Aspect of Sustainable Supply Chain Management. 4. Sustainable Supply Chain Management Balanced Scorecard. About the Authors Joëlle Morana is Lecturer in management science, attached to the Laboratoire d’Économie des Transports (Transport Economy Laboratory) at University Lumière Lyon II in France. Her fields of research concern economic, environmental and societal logistics.

Supply Chain Sustainability The Armenia earthquake: grinding out an effective disaster response in Colombia’s coffee region. Resilient response and recovery at Western Digital: after the Thai floods. Innovative Logistics Services and Sustainable Lifestyles As the customer is demanding more sustainable and affordable products, the supply chains have to find innovative ways to fulfill this need. In this context, collaboration as well as optimization methods are becoming even more evident to enhance supply chain structure to an efficient and sustainable approach. While collaboration and optimization increase complexity and susceptibility, risk management needs to be applied concurrently. This volume, edited by Wolfgang Kersten, Thorsten Blecker and Christian Ringle, provides valuable insights into: - Sustainability in Logistics - Sustainability and collaboration practices - Supply chain risk management - Optimization methods in supply chain management. This volume addresses timely and relevant topics. Both researchers and practitioners are addressed and can obtain background information from current distributions by international authors presenting a state of the art research overview.

Best Practices in Green Supply Chain Management 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.

Green Logistics and Transportation Sustainable Food Supply Chains: Planning, Design, and Control through Interdisciplinary Methodologies provides integrated and practicable solutions that aid planners and entrepreneurs in the design and optimization of food production-distribution systems and operations and drives change toward sustainable food ecosystems. With synthesized coverage of the
implement developing practices that prove to be more efficient and environmentally friendly compared to traditional practices. This holds true for the realm of business, as organizations are redesigning their operations through the incorporation of sustainable methods. Research is needed on the specific techniques companies are using to promote efficiency and improved effectiveness using sustainability.

Handbook of Research on Sustainable Supply Chain Management for the Global Economy is an essential reference source that discusses the incorporation of sustainability in various facets of business management. Featuring research on topics such as disruptive logistics, production planning, and renewable energy sources, this book is ideally designed for researchers, practitioners, students, managers, policymakers, academicians, economists, scholars, and educators seeking coverage on sustainable practices in supply chains to ensure a cleaner environment.

Sustainability in Global Value Chains Sustainable Procurement is an emerging concept in supply chain and operations management. Manufacturing industries have made improvements in moving from cost-based to quality-based, and customer-focused supply chain management strategies. This is becoming an integrated component in the supply chain system, with players becoming aware of the regulations and needs of the customer. It is imperative for production firms to look at the procurement activity as one of the strategic enablers for sustaining the business in the competitive global environment. This book will provide industries with an understanding of the concepts related to sustainable procurement policies and its implementation. Provides decision and theory development models in sustainable procurement supply chains Includes contributions in all three major analytics: descriptive, predictive, and perspectives in the context of sustainable procurement supply chain Discusses new business models with suppliers and opportunities for co-branding Covers how to develop new tools to measure and allocate the gains from sustainable practices among stakeholders Analyses the science of translating data into meaningful and actionable insights

Applications of Contemporary Management Approaches in Supply Chains The issue of sustainability has become a vital discussion in many industries within the public and private sectors. In the business realm, incorporating such practices allows organizations to re-design their operations more effectively. Green Supply Chain Management for Sustainable Business Practice examines the challenges and benefits of implementing sustainability into the core functions of contemporary enterprises, focusing on how green approaches improve operations in an ecological way. Highlighting key concepts, emerging innovations, and future directions, this book is a pivotal reference source for professionals, managers, educators, and upper-level students.

Sustainable Supply Chains The book is a collection of studies dedicated to different perspectives of three dimensions or pillars of the sustainability of supply chain and supply chain management - economic, environmental, and social - and other aspects related to performance evaluation, optimization, and modelling of and for sustainable supply chain management, and thus presents another valuable contribution to sustainable development and sustainable way of life.
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Sustainable Logistics and Supply Chain Management Principles and Practices for Sustainable Operations and Management transformation potential serves the development of sustainable business models and optimized decision-making systems for achieving sustainable economic value creation within a green economy. In 5 sections, the volume takes a unique transdisciplinary approach to assess sustainable business practices within SCM and the logistics sector, and to understand the interactions between logistics services and consumer lifestyles while creating transparency within the decision making process. This book will be of particular interest to academics, policymakers, planners, and politicians. Section 1 introduces readers to the importance of blended research and innovation between sustainable SCM and consumer lifestyles for transformation towards a green economy. Section 2 addresses the question of how trends and developments in consumption behavior and lifestyles influence the development of sustainable logistics. Section 3 discusses the transformation potential towards sustainable logistics using the food sector as an example. Section 4 focuses on strategic decision making in SCM, and how long-term improvements of sustainability performance can be achieved. Section 5 concludes with policy recommendations as well as research and innovation perspectives for future sustainable development with SCM and logistics.

Sustainable Logistics and Supply Chain Management Sustainable Operations and Supply Chain Management addresses the most relevant topics of operations and supply chain management from the perspective of sustainability. The main focus is to provide a step by step guide for managerial decisions made along the product life-cycle, following a path made up of the following steps: product design, sourcing, manufacturing, packaging and physical distribution, reverses logistics and recovery.

Sustainable Logistics and Supply Chains This book gives students a thorough overview of the environmental issues that impact the supply chain and details strategic methods of addressing the political, social, technological, market, and economic concerns that have caused organizations to reconsider their impact. Readers will learn how to integrate the fields of operations management, procurement and purchasing, logistics, and marketing into a successful green supply chain, looking outward to form sustainable partnerships rather than focusing their efforts within the company. Each chapter describes a function or dimension of green supply chains, supplemented with short vignettes to ground the theory in practice. The authors examine various industries, including electronics, food products, and manufacturing, and draw on case studies from the Americas, Europe, Asia, and Oceania, allowing students to compare and contrast domestic and international practices. Blending industry insights with the latest academic thinking, they also consider hot button topics like global–local relationships, the role of third parties, green multitier supplier management, and blockchain technology management. Conclusive chapter summaries and plenty of visual aids help readers retain the information they need to improve environmental performance within, and beyond their organizations. Green Supply Chain Management is an excellent introduction to the topic for students and practitioners of supply chain management and environmental sustainability.

Supply Chain Strategies, Issues and Models This book gathers together invited presentations from the 12th International Congress on Logistics and SCM Systems (ICLS2017) held in Beijing, China, August 20–23, 2017. The focus of the ICLS2017 was environmental sustainability in logistics and supply chains, particularly in the Asia-Pacific region. It addressed a variety of themes in the domains of green logistics and supply chain management (SCM), including green logistics and environmental impact, green SCM and business performance, green operations and optimization, supply chain sustainability, carbon management in logistics, and green SCM and corporate social responsibility.
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The editors selected high-quality presentations from the highly successful symposium, and invited the presenters to prepare full chapters for this book in order to disseminate their findings and promote further research collaborations. This timely book sheds new light on the theories and practices associated with greening logistics and SCM in Asia.