

# Free epub Operations management sustainability and supply chain management 12th edition

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Sustainability in Supply Chain Management (Collection) Sustainability in Supply Chain Management Casebook Sustainable Operations and Supply Chain Management Handbook on the Sustainable Supply Chain Sustainability in Supply Chains Developing Sustainable Supply Chains to Drive Value, Volume II Sustainable Supply Chain Management Sustainable Operations and Supply Chain Management Sustainable Supply Chains Sustainable Supply Chains Analyzing the Effect of Sustainability on Supply Chain Relationships Supply Chain Sustainability Purchasing and Supply Chain Management Building a Sustainable Supply Chain The Lean Sustainable Supply Chain Sustainability in Supply Chain Management Casebook Efficiency in Sustainable Supply Chain Sustainability of Supply Chains Sustainable Supply Chain Management Implementing Triple Bottom Line Sustainability into Global Supply Chains Handbook of Research on Supply Chain Management for Sustainable Development Green Supply Chain Management for Sustainable Business Practice Developing Sustainable Supply Chains to Drive Value Sustainable Development Goals and Sustainable Supply Chains in the Post-global Economy Sustainability theory and practice. Sustainable supply chain management attempts of GlaxoSmithKline Sustainability Delivered Private Data and Public Value Innovative Solutions for Sustainable Supply Chains Social and Environmental Dimensions of Organizations and Supply Chains Global Perspectives on Green Business Administration and Sustainable Supply Chain Management Developing Sustainable Supply Chains to Drive Value Tools, Methodologies and Techniques Applied to Sustainable Supply Chains Operations Management for Business Excellence Ethics and Sustainability in Global Supply Chain Management Supply Chain

Sustainability in Small and Medium Sized Enterprises Handbook of Research on Sustainable Supply Chain Management for the Global Economy Supply Chain Management for Sustainable Food Networks Sustainable Logistics and Supply Chain Management (Revised Edition) The Critical Success Factors of Green Supply Chain Management in Emerging Economies Smart and Sustainable Supply Chain and Logistics – Trends, Challenges, Methods and Best Practices

## Sustainability in Supply Chain Management (Collection)

2013-10-03

a brand new collection of cutting edge sustainable supply chain solutions 3 authoritative books now in a convenient e format at a great price 3 authoritative ebooks deliver state of the art guidance for leveraging supply chain sustainability to maximize business value organizations that prioritize sustainability are well positioned to increase profitability reduce risk and attract better customers talent and investors this unique 3 ebook package brings together all the techniques best practices and case studies you need to make sustainability work throughout your supply chain in the lean sustainable supply chain robert palevich illuminates the business benefits of combining lean and green offering start to finish guidance for redesigning company infrastructure and technologies to achieve these benefits through a comprehensive case study he shows how to manage change innovation talent execution inventory warehousing and transportation integrate supply chain sustainability into business scorecards make more effective use of 3pls information systems and much more he systematically addresses key technical issues ranging from forecasting methodologies and supplier integration to carbon tracking and quantifying lean savings next in creating a sustainable organization peter soyka shows how to choose the right sustainability strategies and then manage and measure them well soyka s actionable guide bridges the disparate worlds of the ehs sustainability professional and the investor analyst discover what the evidence says about linkages between sustainability and value how to manage key stakeholder relationships influencing corporate response to ehs and social equity issues how to effectively manage sustainability throughout the business how to evaluate sustainability posture and performance from the standpoint of external investors and internal management how to maximize the influence of organizational actors focused on sustainability and much more finally the sustainability in supply chain management casebook is the first comprehensive collection of original case studies on building sustainability into the supply chain steven leon covers a wide

spectrum of social economic and environmental issues as well as new areas such as closed loop supply chains topics include strategy implementation decision making transportation supplier relationships collaboration lean continuous improvement finance economics worker safety and rights procurement production delivery packaging logistics reverse logistics and global supply chains each case study is supported with an authoritative introduction teaching notes and q and a sections whatever your role in the sustainable supply chain this collection will help you transform its promise into reality from world renowned sustainable supply chain experts robert palevich peter a soyka stephen m leon

## ***Sustainability in Supply Chain Management Casebook***

2013-07-18

this reference is a comprehensive collection of original case studies on building sustainability into the supply chain an ideal resource for graduate level and executive courses in sustainability operations management and supply chain logistics the sustainability in supply chain management casebook covers a wide spectrum of social economic and environmental issues as well as new areas such as reverse logistics and closed loop supply chains steven leon covers these and other specific topics strategy implementation decision making transportation supplier relationships collaboration lean and continuous improvement finance and economics worker safety and rights procurement production delivery packaging logistics and global supply chains he frames these case studies with authoritative introductory material and offers corresponding teaching notes and q and a sections that make this an even more useful instructional resource

## **Sustainable Operations and Supply Chain Management**

2017-03-20

sustainable operations and supply chain management sustainable operations 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 reverse logistics and recovery guidance is provided on understanding traditional operations and supply chain management approaches tools and techniques such as production planning stock management quality management and performance measurement which can be adapted to achieve economic environmental and social sustainability key features repositions the main operations and supply chain management decisions developed in the perspective of the life cycle analysis cradle to cradle approach and the triple bottom line approach economic environmental and social sustainability covers sustainability and future trends sustainable operations as a competitive factor as well as performance measurement and control explores five main areas of operations and supply chain management design for environment procurement manufacturing packaging and distribution and reverse supply chain provides a case study within each chapter to further the reader s understanding along with numerous examples and real world problems the book will be valuable for students at undergraduate and graduate levels in management and engineering schools as well as for practitioners working in operations and supply chain management functions

## **Handbook on the Sustainable Supply Chain**

2019

supply chain management has long been a feature of industry and commerce but with increasing demands from consumers producers are spending more time and money investing in ways to make supply chains more sustainable this exemplary handbook provides readers with a comprehensive overview of current research on sustainable supply chain management

# Sustainability in Supply Chains

2013-08-13

sustainability advanced to an omnipresent topic among academics and business leaders while at the same time a growing share of a firm's total expenditure accounts for purchased products and materials even though suppliers become increasingly important for their buyers with regards to sustainability academic research still lacks a detailed understanding of how sustainability considerations affect the relationship between buyers and suppliers thomas leppelt contributes to extant sustainability literature across the research disciplines of supply chain management management and marketing by cross functionally investigating the effects of sustainability on supplier buyer relationships from both a supplier and a buyer perspective the results of in total three academic articles provide valuable insights on how buyers as well as suppliers deal with sustainability upstream and downstream the supply chain the results indicate that sustainability leaders in contrast to sustainability followers intensively invest in sustainable supplier relationship management practices moreover it became evident that the effective marketing of sustainability related capabilities enhances a supplier's reputation and can render comparative advantages if it sends consistent positive signals to the market and if it integrates purchasing and marketing in the context of sustainability

## Developing Sustainable Supply Chains to Drive Value, Volume II

2017

both volume 1 foundations and volume 2 implementation are intended to be a stand alone read for professionals resource for executive education and supplementary text for existing mba supply chain management courses the two volume set provides an evidence based management approach to sustainability and value chains to allow understanding from a variety of disciplines

and professional backgrounds

## **Sustainable Supply Chain Management**

2016-06-30

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

## **Sustainable Operations and Supply Chain Management**

2023-01-31

this book takes as its starting point the need to improve sustainability performance across the triple bottom line and reach global sustainable development goals as such it places sustainability at the heart of developing and explaining relevant theory concepts and models in operations and supply chain management whereas previous textbooks on operations and supply chain management have focused on augmenting existing models of operations and supply chain management by simply adding on selected sustainability issues this textbook places sustainability at the heart of operations and supply chain management sustainable operations and supply chain management consolidates the tools concepts and methods of operations and supply chain management relevant for reaching sustainable development goals this book includes not only descriptions of the theories and models but also practical cases based on the most recent developments in different industry sectors including user electronics healthcare fashion and energy relevant student exercises are also included for use in the classroom or in personal study this book provides an ideal introduction for bachelor or masters level students whether they are

on general management and business degrees or are focused on areas such as engineering management technology management or sustainability management furthermore university level teachers and lecturers will find the material presented in this book a valuable basis for structuring their courses on operations and supply chain management in the context of sustainability

## **Sustainable Supply Chains**

2016-09-01

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 Chains***

2012-06-07

a sustainable enterprise is one that contributes to sustainable development by simultaneously delivering economic social and environmental benefits or what has been termed the triple bottom line while pursuing profit socially responsible companies should be sensitive to the environment and uphold the rights of all the firm s stakeholders this edited volume explores leading edge ideas both by academics and forward thinking companies to re design and market products source manufacture and eventually distribute and recover or dispose of them in an environmentally ecologically and socially responsible way this edited volume is made up of fifteen



chapters loosely grouped into clusters after an introduction chapter 2 shows the greenhouse emissions at various levels from countries all the way to individual products chapters 3 7 each focus on an industrial sector and address issues specific to that industry with chapter 7 presenting a case study on leed certification of miller hall home of the mason school of business where two of the authors tonya and ram work chapters 8 10 address product take back in the supply chain chapter 8 introduces e waste and surveys what firms are doing to combat it chapter 9 provides an overview of existing take back legislation and academic papers that have studied various research questions associated with them chapter 10 is a tutorial that addresses the problem of product disposition on a closed loop supply chain what should a firm do with a product return chapters 11 15 address measurement monitoring decision making and reporting regarding environmental issues in a firm chapter 11 provides an academic survey of eco labeling and the consumer s willingness to pay for them chapter 12 discusses how firms can measure the total carbon footprint in their supply chains and some of the strategies they can use to mitigate carbon emissions using the price of call options chapter 13 illustrates how managers can quantify the savings attributed to sustainability related investment chapter 14 develops a non linear optimization model that addresses the complex trade offs involved in making joint operational and environmental decisions finally chapter 15 develops a data envelopment analysis based method for supplier evaluation incorporating environmental and business factors

## Analyzing the Effect of Sustainability on Supply Chain

### Relationships

2013-06-13

the notion of sustainability continues to increase in importance for businesses today consumers pay attention to the environmental impacts and social consequences of the products they use consequently an increase in interest in the topic from an industry perspective has been observed

and the topic is considered a megatrend in today's global economy worthy of additional academic inquiry this dissertation looks into the role that sustainability plays for companies in the current business environment and its effect on supply chain relationships this book highlights the effects that introducing sustainability to a supply chain relationship has on the dynamics and structure of these relationships and provides a novel methodological approach to examine the issue for the analysis a theoretical framework of current management theories is assembled and the insights of each theory for sustainability in supply chain management are detailed through a qualitative and a quantitative research phase the findings of this dissertation show that sustainability and collaborative behavior in supply chain relationships positively affect each other this manuscript provides insights for both research and practice theoretical and managerial implications are detailed and the findings are mirrored with the derived theoretical framework this book therefore helps to promote the effective implementation of sustainability in supply chain management practice and elaborates the theory around the topic

## Supply Chain Sustainability

2020-11-23

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

## Purchasing and Supply Chain Management

2018-10-26

for too long business has focused on short term cost advantages through low cost country

*2023-05-14*

*10/31*

guided reading chapter 2  
section 2 1

sourcing with little regard for the longer term implications of global sustainability purchasing and supply chain management second edition not only fully addresses the environmental social and economic challenges of how companies manage purchasing and supply chains but also delves deeper into emerging areas such as modern slavery digital technologies and circular supply chains in addition to explaining the basic principles and processes of both purchasing and supply chain management the book evaluates how to develop strategic and sustainable purchasing and supply chain management our key message is that purchasing and supply chain management needs to focus on value creation rather than cost cutting this requires the development of new purchasing and supply chain models that involve circular supply structures supply chain transparency and collaboration with new stakeholders in traditional sourcing and supply chain settings aimed at students educators and practitioners the book integrates sustainability into each chapter as a core element of purchasing and supply chain management this second edition incorporates new examples and case studies from industry throughout striking a balance between theoretical frameworks and guidelines for implementation in practice

## Building a Sustainable Supply Chain

2017-09-08

the massive oil spill in the gulf of mexico in 2010 was not caused by bp but by a contractor yet bp got the blame the toxic waste from the production of apple products dumped in china in 2011 was not dumped by apple but by a supplier yet apple got the blame the horsemeat found in beef burgers in 2013 was not added by tesco but by a supplier yet tesco got the blame in all three cases blame for the damage caused by suppliers floated up through the supply chain until it lodged with the big brand at the top no longer can companies constrain their corporate responsibility within the factory fence as that boundary is not recognized by outside observers this situation is exacerbated by the fact that the majority of most organizations environmental footprint lies in their supply chain this means that to address the sustainability agenda in a

meaningful way they must tackle the impacts of their suppliers unfortunately this is a huge challenge as visibility and influence diminishes quickly as you start to work your way down through the layers of suppliers this book gives a quick but comprehensive guide to the most effective techniques to help you proactively address environmental risks in the supply chain it covers the following the business case for a sustainable supply chain supply chains and sustainability the big picture making supply chains sustainable the fundamentals basic techniques the hard yards of green procurement intermediate techniques those requiring changes to operations and products services advanced techniques changes to the business model and corporate philosophy the book draws upon exclusive interviews with top sustainability practitioners along with the practical experiences of the author to provide real world examples at the cutting edge

## **The Lean Sustainable Supply Chain**

2012

this title provides comprehensive new best practices for building sustainable green and lean supply chains from one of the field s most respected experts

## ***Sustainability in Supply Chain Management Casebook***

2013

this reference is a comprehensive collection of original case studies on building sustainability into the supply chain an ideal resource for graduate level and executive courses in sustainability operations management and supply chain logistics the sustainability in supply chain management casebook covers a wide spectrum of social economic and environmental issues as well as new areas such as reverse logistics and closed loop supply chains steven leon covers these and other specific topics strategy implementation decision making transportation supplier relationships

collaboration lean and continuous improvement finance and economics worker safety and rights procurement production delivery packaging logistics and global supply chains he frames these case studies with authoritative introductory material and offers corresponding teaching notes and q and a sections that make this an even more useful instructional resource

## Efficiency in Sustainable Supply Chain

2016-11-04

the book focuses on efficiency analysis in enterprises and describes a broader supply chain context to support improved sustainability the research and its outcomes presented here provide theoretical and empirical studies on efficiency analysis in the supply chain including operational economic environmental and social aspects this book sheds new light on the efficiency assessment framework for practitioners and includes essential tips on how to improve the sustainability of supply chains operations

## Sustainability of Supply Chains

2019-08-12

seminar paper from the year 2016 in the subject business economics business management corporate governance grade 91 university of south africa school of business and leadership course master business leadership language english abstract supply chain management is the integration and management of a complex network of activities involved in delivering a complete product to the end user or customer it is a common belief that all stages in a product life cycle will have an impact on supply chain biodiversity burden from resource extraction manufacturing use and reuse final recycling this is based on the fact that the environmental agenda has become increasingly important for the government of south africa and is slowly reflected in growing legislation to counter negative impacts on the environment the government s primary

targets are the building construction and water sector there is a belief for considerable scope for improvements there are concerns with regards to the environment and this has led the government to also include sustainability this covers ecology economic social and cultural considerations from a south african perspective rand water as a state owned enterprise has realised the importance of sustainability issues by formulating evaluating and verifying relevant environmental requirements in its supply chain policy for the development of its current and future products new tenders before being issued to the market a list of requirements are stipulated in a way that enables them to be fulfilled by the service providers and verified by rand water officials on submission rand water is busy conducting ways to modify its project management practices to be environmentally friendly as they continue in its quest for sustainability compliance the proposed route towards dematerialized and detoxified goods and operations can be summarized by the four r s reduce repair reuse and recycle

## **Sustainable Supply Chain Management**

2013-05-06

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 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 decisions 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 economie des transports transport economy laboratory at university lumière lyon ii in france her fields of research concern economic environmental and societal logistics

## Implementing Triple Bottom Line Sustainability into Global Supply Chains

2017-09-08

the global sustainability challenge is urgent tremendous and increasing from an ecological perspective the current worldwide resource footprint requires approximately 1.5 planets to sustain existing life and with current usage would require two planets by 2030 the social impact of ever growing resource use disproportionately affects the world's poor the 3 billion people living on less than 2.50 a day as they struggle to acquire what is needed to survive the serious ecological and social challenges we face in trying to establish global sustainable supply chains must not be underestimated yet so far research has largely ignored the social dimension in favour of the environmental and economic so how can we develop business strategies that move away from a primary economic focus and give equal weight to people planet and profit how can we create sustainable supply chains that take a true triple bottom line approach implementing triple bottom line sustainability into global supply chains features innovative research highlighting new cases approaches and concepts in how to successfully implement sustainability covering economic

ecological and social dimensions into global supply chains the four parts cover the rationale for sustainable global supply chains key enablers case studies showing clear implementation steps and directions for future research and development this book is a must read for any academic researching in sustainable supply chain management procurement or business strategy and for business leaders seeking cases that will inform a critical step forward for csr programmes

## **Handbook of Research on Supply Chain Management for Sustainable Development**

2018-05-11

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 redesign their operations more effectively the handbook of research on supply chain management for sustainable development is a critical scholarly resource that examines academic and corporate interest in sustainability in all facets of business management featuring coverage on a wide range of topics such as green supply chains environmental standards and production planning this book is geared toward professionals researchers and managers seeking current and relevant research on optimizing supply chains to ensure fair labor practices lower emissions and a cleaner environment

### ***Green Supply Chain Management for Sustainable Business***

#### ***Practice***

2016-07-27

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

## **Developing Sustainable Supply Chains to Drive Value**

2017-08-24

sustainability is changing and changing rapidly it is becoming more widespread as companies and customers uncover its power attractiveness and sustainability as well as receiving more attention in the press support for sustainability lies within new tools frameworks and approaches the authors capture these and other developments in this second volume of developing sustainable supply chains in the first volume the authors assess major management opportunities this second volume focuses on implementation when combined the result is a complete action oriented treatment of sustainability written by two of the leading academic researchers in this area this series introduces the reader whether a student manager or experienced sustainability advocate to the various tools frameworks and approaches that work

## **Sustainable Development Goals and Sustainable Supply Chains in the Post-global Economy**

2019-05-21

this book presents a collection of studies on current best practices for delivering sustainable development policies within supply chains it critiques the limitations of existing business theory and practice on sustainable supply chain management and discusses opportunities for new

conceptual models for businesses to engage with sustainable development goals sdgs it examines how businesses can work towards implementing sustainable development goals in the contexts of entrepreneurial initiative industry collaboration and regional development sdgs renew the sustainable development agenda for global communities and ask businesses and organisations to reset their sustainable development policies a strategy to embed sustainable development principles into business operations along the supply chain operations which has been a conceptual and in many instances practitioner business and industry achievement of the past decades is not enough to shift the economic and social conditions of poor populations around the world how would the global supply chains of the future look like what social relations does it envisage how will businesses and organisations engage with societies environments and complex institutional contexts in emerging markets and developing countries which are faced with issues of population growth needed leaps in infrastructure provision educational and health improvements cultural and institutional shifts the books challenges current approaches to sustainable supply chain practices guided by discussion on sdgs it reviews implementation issues of existing sustainable development approaches assesses the advancement of sustainable development strategies and examines the opportunities for global value chains to increase their positive social and environmental inputs in regions communities and organisations the book collects both conceptual and empirical studies set in a variety of business and organisational contexts such as manufacturing retail procurement cities and industrial parks it contests the accepted axioms of sustainable practices in the global supply chains and proposes new models for organisations and production networks to engage with societies and address market and production effects on communities and institutions

## **Sustainability theory and practice. Sustainable supply chain**

## management attempts of GlaxoSmithKline

2020-03-24

submitted assignment from the year 2019 in the subject business economics supply production logistics course msc project management language english abstract report on sustainable supply chain management attempts to integrate environmental economic and social issues into normal supply chain practice defining the word sustainability is somewhat hard as it contains several characteristics depending on the point of understanding though looking at the word beginning sustainability is obtained from the latin word sustinere which literally means to hold up when looking up in various vocabularies sustainability has the denotation of preserve support or endure business sustainability is called as the management of the triple bottom line it is a process by where corporations control their economic social and environmental risks responsibilities and prospects furthermore above 3 impressions are occasionally mentioned as people planet and profit nevertheless this method depends on an economical perception and do not entirely imprisonment the time component which is essential inside a sustainable business

## Sustainability Delivered

2012

suitable for graduate students in engineering or business executive mba students and mid to upper level non profits and business managers this book provides guidelines and tools for analyzing the current or proposed supply chain and concepts for improving the sustainability dimensions of the system

## Private Data and Public Value

2016-02-26

this book investigates the ways in which these systems can promote public value by encouraging the disclosure and reuse of privately held data in ways that support collective values such as environmental sustainability supported by funding from the national science foundation the authors research team has been working on one such system designed to enhance consumers ability to access information about the sustainability of the products that they buy and the supply chains that produce them pulled by rapidly developing technology and pushed by budget cuts politicians and public managers are attempting to find ways to increase the public value of their actions policymakers are increasingly acknowledging the potential that lies in publicly disclosing more of the data that they hold as well as incentivizing individuals and organizations to access use and combine it in new ways due to technological advances which include smarter phones better ways to track objects and people as they travel and more efficient data processing it is now possible to build systems which use shared transparent data in creative ways the book adds to the current conversation among academics and practitioners about how to promote public value through data disclosure focusing particularly on the roles that governments businesses and non profit actors can play in this process making it of interest to both scholars and policy makers

## Innovative Solutions for Sustainable Supply Chains

2018-08-28

this book presents the latest tools techniques and solutions that decision makers use to overcome the challenges faced by their sustainable supply chains given the ever increasing significance of socio economic and environmental factors the management of sustainable supply chains has become a complex and dynamic task multiple and conflicting objectives of

stakeholders including suppliers manufacturers service providers and retailers add to the complexity of decisions that modern day managers of supply chains face with the unprecedented technological developments and innovations at hand sustainability can be maximized for all the activities of a supply chain including service concept and product design material sourcing and procurement manufacturing processes delivery of the final product and end of life management of the product consequently the sustainable supply chains problems require a systematic and integrated approach modeling and simulation in general as well as system dynamics and agent based modeling in particular have the capabilities to deal with the complexity of sustainable supply chain related problems this book will appeal to professionals and researchers in the field

## **Social and Environmental Dimensions of Organizations and Supply Chains**

2017-07-13

this book focuses on environmental and social factors in international supply chains and industry networks it explores whether socially responsible and environmentally conscious operations are complementary or conflictive to economic targets the book elaborates on innovative approaches to manage the economic ecological and social performance in supply networks from different perspectives in addition it links sustainability to operational processes and illustrates specific application contexts moreover it covers the social dimension of sustainability the rise of sustainability in management forces enterprises to revisit the concept of profitability that drives their operations social standards and ecological targets represent critical factors that challenge industry networks the interplay of these goals requires new insights from scientific research and managerial practice new approaches and systems are needed to minimize environmental and social harms and to promote sustainability

# ***Global Perspectives on Green Business Administration and Sustainable Supply Chain Management***

2019-12-15

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

## **Developing Sustainable Supply Chains to Drive Value**

2013

this book presents you with an integrated business oriented treatment of sustainable supply chain management that explores why it is no longer enough for a firm to focus on sustainability within the four walls of the firm

## ***Tools, Methodologies and Techniques Applied to Sustainable Supply Chains***

2020-02-21

supply chains are currently globalized and companies operate internationally owing to the fact that raw materials production processes and the consumption of the final products are carried out in different countries this implies high material and information flow which incurs high costs associated with the supply chain and logistics sometimes up to 60 of the total cost of the product therefore companies seek to optimize their resources to reduce these costs and improve sustainability in a globalized market this book entitled tools methodologies and techniques applied to sustainable supply chains contains 15 chapters that report case studies applied to industrial and service sectors the authors come from areas such as mexico colombia italy sweden slovakia china and australia they indicate how managers make use of tools and techniques to solve problems associated with supply chains to reduce their cost and remain competitive a great effort has been made to analyze this problem and the methodologies are clearly described here to facilitate the reproducibility of each technique and tool this was done in the hope that hoping that they may one day be applied in more companies

## **Operations Management for Business Excellence**

2019-10-28

all businesses strive for excellence in today s technology based environment in which customers want solutions at the touch of a button this highly regarded textbook provides in depth coverage of the principles of operations and supply chain management and explains how to design implement and maintain processes for sustainable competitive advantage this text offers a unique combination of theory and practice with a strategic results driven approach now in its fourth

edition operations management for business excellence has been updated to reflect major advances and future trends in supply chain management a new chapter on advanced supply chain concepts covers novel logistics technology information systems customer proximity sustainability and the use of multiple sales channels as a platform for discussion the exploration of future trends includes self driving vehicles automation and robotics and omnichannel retailing features include a host of international case studies and examples to demonstrate how theory translates to practice including airbus hewlett packard puma and toyota a consistent structure to aid learning and retention each chapter begins with a detailed set of learning objectives and finishes with a chapter summary a set of discussion questions and a list of key terms fully comprehensive with an emphasis on the practical this textbook should be core reading for advanced undergraduate and postgraduate students of operations management and supply chain management it would also appeal to executives who desire an understanding of how to achieve and maintain excellence in business online resources include lecture slides a glossary test questions downloadable figures and a bonus chapter on project management

## **Ethics and Sustainability in Global Supply Chain Management**

2016-12-02

this book 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

### ***Supply Chain Sustainability in Small and Medium Sized***



## ***Enterprises***

2022-09-29

this book examines the sustainability of supply chains in small and medium sized enterprises smes in developed and emerging economies drawing on contributions from experts in the field and examining case studies from a range of countries including thailand bangladesh france spain austria and greece this book provides researchers and industry practitioners with guidance on how to make smes more sustainable through appropriate trade offs between economic environmental and social aspects over the course of the book the authors examine the current state of sustainable supply chain practices highlight the key issues and challenges and identify critical success factors across different industries and geographical locations they also explore how supply chain carbon footprints and effectiveness are measured and navigate the delicate balance between reducing the carbon footprint whilst still ensuring enhanced productivity finally the book reflects on how the circular economy model might facilitate higher sustainability of smes supply chain sustainability in small and medium sized enterprises will be of great interest to scholars and practitioners of supply chain management and sustainable business

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

2020-06-26

many fields are beginning to 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

## ***Supply Chain Management for Sustainable Food Networks***

2016-01-19

an interdisciplinary framework for managing sustainable agrifood supply chains supply chain management for sustainable food networks provides an up to date and interdisciplinary framework for designing and operating sustainable supply chains for agri food products focus is given to decision making procedures and methodologies enabling policy makers managers and practitioners to design and manage effectively sustainable agrifood supply chain networks authored by high profile researchers with global expertise in designing and operating sustainable supply chains in the agri food industry this book features the entire hierarchical decision making process for managing sustainable agrifood supply chains covers knowledge based farming management of agricultural wastes sustainability green supply chain network design safety security and traceability it in agrifood supply chains carbon footprint management quality management risk management and policy making explores green supply chain management sustainable knowledge based farming corporate social responsibility environmental management and emerging trends in agri food retail supply chain operations examines sustainable practices that are unique for agriculture as well as practices that already have been implemented in other industrial sectors such as green logistics and corporate social responsibility csr supply chain management for sustainable food networks provides a useful resource for researchers practitioners policy makers regulators and c level executives that deal with strategic decision

making post graduate students in the field of agriculture sciences engineering operations management logistics and supply chain management will also benefit from this book

## **Sustainable Logistics and Supply Chain Management (Revised Edition)**

2015-03-03

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 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 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

# **The Critical Success Factors of Green Supply Chain Management in Emerging Economies**

2020-04-21

this book outlines the scope of sustainability and green practice in supply chain operations which has continued to grow with a rapid speed the book includes core aspects of sustainability and green supply chain management philosophy and practice covering general concepts principles strategies and best practices which not only protect socio environmental sustainability but spur economic growth the book will aid practitioners in using sustainable supply chains to reduce cost and improve service as well as keep up to date with different features of green supply chains and logistics in a global market the book will also be a valuable resource for candidates undertaking certification examinations and students studying for degrees in related fields of sustainability and green supply chain management

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

2020-12-12

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

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