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Enhancing Traceability and Transparency of Sustainable Value Chains in the Garment and Footwear Sector Supply Chain Management for Sustainable Food Networks Transparency for Sustainability in the Food Chain Beyond regulatory compliance – Seafood traceability benefits and success cases Greening the Food Chain Case Studies on Sustainability in the Food Industry Mandatory Labels Reflecting the Traceability of Sustainability of Fashion Products in Order to Create Awareness Among Consumers Sustainable Product Development Ethical Traceability and Communicating Food Sustainable Supply Chain Management Working with Smallholders Advances in Food Security and Sustainability Food Supply Chain Management Towards Sustainable Customization: Bridging Smart Products and Manufacturing Systems Analytics & Blockchain For Sustainable Markets Sustainable Fashion The UN Sustainable Development Goals for the Textile and Fashion Industry Feasibility study for application of digital technologies for improved traceability and transparency along the agrifood value chains Blockchain Technologies for Sustainability Seafood Authenticity and Traceability Sustainable Agriculture for Food Security Industry 4.0 Technologies: Sustainable Manufacturing Supply Chains Timber traceability – A management tool for governments Fashion Industry 2030 Food Policy Modelling Sustainable Development of Food Safety Sustainability in the Food Industry E-Innovation for Sustainable Development of Rural Resources During Global Economic Crisis Food and Environment Sustainability in Fashion Governing Sustainable Seafood Sustainable Apparel Global Sustainability Inside and Outside the Territory Driving Agribusiness With Technology Innovations Food Industry 4.0 Geospatial Technology for Sustainable Oil Palm Industry Coffee Government Impact on Sustainable and Responsible Supply Chain Management Corporate Sustainability in the 21st Century Technologies in Food Processing

Enhancing Traceability and Transparency of Sustainable Value Chains in the Garment and Footwear Sector

2022

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

Supply Chain Management for Sustainable Food Networks

2016-01-19

transparency for sustainability in the food chain lays out the key issues and challenges in food safety food quality chain integrity the link with consumers and the technological base of tracking and tracing systems this succinct volume brings readers up to speed on the state of the art in these areas and the research trends in specific domains transparency in the food sector especially to consumers is one of the priority issues on the agenda of consumer policy representatives food scandals and deficiencies in consumer communication have drawn increasing demands for food policies that ensure that food is safe and of the quality consumers expect further consumers increasingly expect that food production processes limit negative impacts on the environment and consider social concerns moving toward improved transparency requires action by stakeholders of the food chain but also knowledge on where and how to move researchers and professionals working in food sourcing regulation safety and distribution will benefit from this clear overview specifies research to increase transparency in consumer communication details the state of the art and research challenges in several specific food supply domains involves food safety food quality chain integrity the link with consumers and the technological base of tracking and tracing systems

Transparency for Sustainability in the Food Chain

2013-08-01

since the mid 1990s traceability has become a popular concept in industrial logistics regardless of the production regime and type of product implementing traceability systems across the food supply chain is seen as crucial for increasing food quality and safety for

optimizing production or for documenting sustainability however implementation of traceability systems in the seafood sector seems to be stagnating against this backdrop the main objective of this study is to define and analyse in detail seafood traceability benefits related to regulatory compliance supply chain management improvements market access facilitation and risk mitigation to support this objective the study collects and compiles policy incentives from governments and industry associations to encourage the establishment of company seafood traceability in addition this study updates information regarding existing traceability standards and norms serving various purposes in the seafood sector based on a thorough analysis of speciality literature and the extensive experience of the authors this study formulates several recommendations that are relevant for a wide range of stakeholders in the seafood sector

Beyond regulatory compliance – Seafood traceability benefits and success cases

2020-06-01

the world s population continues to grow year after year putting pressure on all global resources this book provides examples of how we can deal with all the challenges associated with aspects of population growth in the quest for sustainable development it presents case studies on different areas of sustainability in the food industry which includes food production and consumption the collection of illustrative examples includes cases from agriculture and fisheries the food refining sector the supply chain wholesale and retail channels and other relevant aspects that enhance our understanding of how sustainability takes place in this global sector the book will appeal to a wide readership from practitioners to researchers teachers and students worldwide

Greening the Food Chain

2008

this book offers a comprehensive review of sustainability and product design providing useful information on the relevant regulations and standards for industries to meet increasing market demands for eco products while reducing their impact on the environment the examples and methods presented allow readers to gain insights into sustainable products the authors also explain how to develop products with sustainability features by applying tools and methods for sustainable design and manufacture these tools methods include regulations directives related to sustainable product development popular lifecycle analysis software packages environmental and social lifecycle impact assessment methods lifecycle inventory databases eco point and eco accounting infrastructure ict and traceability technologies for sustainable product development sustainable design and manufacture integrated approach for sustainable product development a description of each sustainability tool is accompanied by easy to understand guidelines as well as sustainable product development methods five different case studies are also presented to illustrate how to apply the tools and methods into the development of real sustainable products in view of the increasing pressure on industries to meet the sometimes conflicting demands of the market and environment this book is a valuable resource for engineers and managers in manufacturing companies wishing to update their knowledge of sustainable product development it is also suitable for researchers and consultants who are involved or interested in sustainable product development as well as for students studying sustainable development production and engineering management

Case Studies on Sustainability in the Food Industry

2022-09-23

the theme of this book evolved from the idea of linking three concepts around food traceability ethics and informed choice we believe that the current development and implementation of traceability in the agri food sector offers an interesting way not only of handling food safety but also of addressing and communicating ethical issues arising from current food production practices practices in the agri food sector worry food consumers as we all are since we need to eat and drink to stay alive but how can consumers act upon their concerns paradoxically although consumers are bombarded with information on food from the media the food industry food authorities ngos and interest groups details about how foods are actually produced is often hard to find much of the information available is superficial conflicting or partial and it is hard for consumers seeking to make informed food choices to know which information to trust the consumers we interviewed for this project felt that information about food products was withheld and manipulated traceability which provides a record of the history and journey of a given food and which is increasingly used in the food sector for legal and commercial reasons has the potential to communicate a more authentic picture of how food is produced

Mandatory Labels Reflecting the Traceability of Sustainability of Fashion Products in Order to Create Awareness Among Consumers

2020

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

Sustainable Product Development

2020-05-12

this handbook addresses the challenges that agribusiness companies face when working with

smallholder suppliers in their value chain

Ethical Traceability and Communicating Food

2008-06-12

advances in food security and sustainability volume four takes a scientific look at the challenges constraints and solutions necessary to maintain a healthy and accessible food supply in different communities this ongoing series addresses a wide range of issues on food sustainability and security with this release focusing on the evolution of food security policy in lao pdr continuity and change in the era of the sustainable development goals food system resilience and diversity a pliable pillar how the social dimension of sustainability has been framed in uk public food policy and much more contains expertise from leading contributions on the topics covers a vast array of subjects relating to food security and sustainability explores challenges related to protecting environmental resources while also meeting human nutritional requirements

Sustainable Supply Chain Management

2013-05-06

this fully updated new edition of a respected text retains the original s comprehensive and practical approach to food supply chain management and introduces a global perspective and a wide range of new material more than ever this is the food supply chain management textbook with an introduction that speaks to academic and non academic audiences alike the second edition of food supply chain management covers all new topics such as cold chain management last mile logistics blockchain and traceability in the food supply chain and the implications

of global trade and climate change case studies examine the farm to table movement sustainable co ops and more with quick facts and mini cases that are engaging and thought provoking this textbook is appropriate for upper level undergraduate and postgraduate students of agricultural business natural resources and food science as well as supply chain management students supporting online materials include lecture slides test banks and instructor manuals

Working with Smallholders

2018-12-05

this book features state of the art contributions from two well established conferences changeable agile reconfigurable and virtual production conference carv2020 and mass customization and personalization conference mcpc2020 together they focus on the joint design development and management of products production systems and business for sustainable customization and personalization the book covers a large range of topics within this domain ranging from industrial success factors to original contributions within the field

Advances in Food Security and Sustainability

2019-10-04

this edited volume comprises ideas visions strategies and dreams of entrepreneurs managers scientists and political experts who share their best practice experience relating to the joint goal of a more sustainable humanistic and responsible fashion industry readers will find a variety of approaches and strategies that in sum represent a rich pool of insights and cases for anyone interested in the study of new management perspectives and in the systematic advancement of sustainable fashion in 14 chapters international authors discuss topics such as

sustainable business models cradle to cradle circular economy human rights ethical supply chain management sustainable fashion consumption certification and auditing traceability impact measurement and industry transformation business case studies include h m filippa k melawear otto tauko and tchibo further brands that are discussed in the book are prada burberry hermès hugo boss and many more the book demonstrates that sustainable fashion can hardly be realized by just one actor or by using just one business tool or governance instrument the sustainable transformation of the textile sector requires concerted action of businesses governments ngos and consumers to clearly demonstrate a coalition for change and a willingness and power to end inhumane and unsustainable business practices in the 21st century the sum of innovative approaches and solutions presented in this book shows that the momentum for change is strong and that mutual learning respect and collaboration can lead to interesting and effective new paths of co creation and shared responsibility in the fashion industry

Food Supply Chain Management

2021-03-28

this book highlights the sustainable development goals sdgs as part of the 2030 agenda for sustainable development these universally agreed upon aspirational goals for people the planet prosperity and peace will not be achieved without all global and local actors governments the private sector and civil society playing their part the sdgs offer a unique opportunity to align existing sustainability initiatives through a common framework and accelerate the industry's efforts to address important challenges in the global textile value chain future sourcing models will largely be redefined by how this sector addresses the underlying themes as sourcing countries prioritize the goals and integrate them into their national plans stimulating discussion and exploring the many different ways in which the textile and clothing

industry can implement the un sdgs this informative book provides readers with a comprehensive understanding of the topic and presents various approaches including reflexive empirical hands on or applied theoretical

Towards Sustainable Customization: Bridging Smart Products and Manufacturing Systems

2021-10-31

agrifood value chains of small and medium sized producers in the near east and north africa region have the potential to generate more value through improved access to high value markets limited logistics capacity in the region coupled with lack of access to continuous cold chain has resulted in weak supply chain management high level of food loss lack of compliance with food quality and safety standards information asymmetries and unfair value distribution affecting income and livelihood of small and medium sized producers improving traceability and transparency along the agrifood value chains can help building consumers trust by better tracking the origin of food identifying detecting and mitigating the impact of food safety and quality issues in a timely manner and enhancing price visibility and information sharing on value distribution in each stage of the value chain digital technologies can play an important role in enhancing traceability and transparency by ensuring the collection of comprehensive consistent and reliable data along the supply chain real time tracking easy aggregation integration analysis and sharing of data despite the recognition of game changing potential few studies have analysed the feasibility of application of these technologies to improve traceability and transparency of value chains from farm gate to market in the region to fill this gap in knowledge this study was conducted to understand the digital landscape in the region examine barriers and incentives for uptake of these technologies and to propose

solutions that can improve the adoption rate and sustainability of digital technologies for small and medium sized producers

Analytics & Blockchain For Sustainable Markets

2023-05-15

this book highlights the applications of blockchain technologies to foster sustainable development in different fields the concept of sustainability has grown widespread in today s context and there are many requirements to achieve sustainability in any industrial sector including mapping tracing the supply chain to ensure sustainable supply chain management reliable and transparent efficient data is one of the key requirements for sustainability in today s advanced industrial context achievement of sustainability objectives in this advanced era demands various technological advancements such as blockchain technologies the core competencies of blockchain technology namely transparency data auditability privacy value transfer and process efficiency and automation are very much essential for achieving the multifold objectives under sustainability

Sustainable Fashion

2018-05-30

seafood authenticity and traceability a dna based perspective is a concise reference showcasing the latest developments in the field written for those in food authenticity who may not have a technical molecular biology background the book covers methods used for dna analysis and an overview of their applications in fish and seafood also providing reviews of the technology and processes for each method it offers a practical and succinct overview of the relationship

between accurate identification traceability sustainability and safety of seafood including an overview of the supply chain and the industry s need for improved traceability presents current and future perspectives in the emerging field of traceability including solid coverage of dna analysis for origin detection includes molecular authentication tools to improve species identification throughout the seafood industry provides reviews of the technology and processes for each dna analysis method offers a comprehensive overview for those in food authenticity who may not have an in depth molecular biology background

The UN Sustainable Development Goals for the Textile and Fashion Industry

2019-06-24

sustainable agriculture for food security a global perspective takes an analytical approach to issues related to current agricultural practices it looks at global geographical data and key statistical reports to aid readers in comparing understanding and making agricultural decisions the book is divided into chapters with each dealing with a specific problem and its solutions keeping in mind the context of geographical variations the book first provides a historical overview of the socioeconomic importance of agriculture around the world along with a discussion on threats and opportunities in the agricultural sector it goes on to explore the importance of water sources for agriculture including rain fed agriculture practices water harvesting techniques sustainable irrigation practices and irrigation water management guidance on the usage of agrochemicals and solutions to their detrimental effects from non standardized consumption is also addressed the volume also includes a discussion on organic farming methods certification standards and key restrictions in crop production part 2 goes on to examine postharvest management practices used in different geographical areas along with

analysis on the role of technology and obstacles in implementation the commercialization of agriculture through food processing branding and retailing is reviewed along with suggestions on available marketing platforms and promotional aspects it goes on to outline the situational analysis of food adulteration as well as norms and regulations of food security at the international level lastly the concept of biofortification is explained along with methods and strategies of biofortified food production the impact of biofortification over socioeconomic development of a specific country is also analyzed written for a wide audience this volume is a thoughtful overview and analysis of the increasingly necessary topic of sustainable agriculture for food security and will be of interest to faculty and research scholars working professionals social activists policymakers farmers and institutions and organizations involved in agricultural education research and development

Feasibility study for application of digital technologies for improved traceability and transparency along the agrifood value chains

2023-09-18

this book brings forth the fundamental understanding of the role of industry 4.0 technologies in sustainable manufacturing supply chain readers will get an overview of the challenges opportunities and requirements for the implementation of digital technologies and how they can support manufacturing supply chains to be sustainable the book presents many applications of industry 4.0 including integration of iot ai big data blockchain procurement 4.0 logistics 4.0 and lean 4.0 in different contexts the book therefore provides a platform for researchers academicians and professionals from diverse backgrounds to gain state of the art knowledge for using industry 4.0 in sustainable manufacturing supply chains readers will also be able to

identify the practical significance and opportunities for future work directions

Blockchain Technologies for Sustainability

2021-10-24

there are growing demands for countries to develop national timber traceability systems these demands range from a country s own needs to track timber and collect associated revenues consistently to international demands for due diligence regarding the legality of the timber for imports and in some cases where a country has entered into a voluntary partnership agreement vpa with the eu in response many countries have made considerable efforts to develop national systems which track timber flow from producer through processing to the point of sale and there are different approaches and tools available for doing this this report aims to document lessons and best practices in the planning of government led timber traceability systems in latin america to provide a reference for government officials in other countries who are tasked with developing and implementing similar systems it also seeks to help other audiences recognize that traceability is global trend and is becoming a new norm for conducting business and trade in international wood markets the report focuses on experiences in latin america where governments have proactively implemented traceability systems and demonstrated a relatively high capacity in doing so leveraging technologies and equipment to respond to the unique needs of their countries as many of these of systems are modular successful and relevant elements can easily be transferred from one context to another and adapted to suit the needs of those tasked with designing similar systems

Seafood Authenticity and Traceability

2016-08-29

the book explains in detail and with many examples the concept of responsible innovation by answering the following questions how will the fashion industry be in 2030 what can the different stakeholders do in order to speed the responsible innovation which will be the role of traceability circularity cradle to cradle collaborative consumption b corporations how technologies can catalyze the change how the consumers interested in sustainability can contribute to this change

Sustainable Agriculture for Food Security

2021-10-01

in the present economic political societal and environmental landscape which is dominated by the covid 19 pandemic the emergence of challenges and issues that demand immediate and urgent responses is more intense than ever policymakers international organizations governmental and non governmental institutions around the globe are seeking effective and sustainable policies as they try to tackle far reaching issues that affect all aspects of the economy and agriculture including the food sector in this context this book presents new modelling approaches and their application to complex problems in the agro food chain in order to address today s pressing food policy issues the respective chapters showcase national and regional studies on sustainable communities rural environments and ecosystems taken together they offer a valuable reference guide for scholars and practitioners alike

Industry 4.0 Technologies: Sustainable Manufacturing Supply Chains

2023-09-30

the nordic countries denmark finland iceland norway and sweden published a strategy for sustainable developments for 2001 2004 this new strategy for 2005 2008 has 10 goals and some selected indicators the 10 goals set for 2005 2008 are to improve efforts for animal health and welfare in relation to food safety strengthen efforts against zoonoses and pathogenic micro organisms strengthen safe food handling and food production in industry and with consumers restrict the occurrence of chemical contaminants and ensure that only well examined production aids food additives and flavors are used increase knowledge and reduce the risk of natural inherent toxicants strengthen efforts for prevention and improve knowledge on diet related hypersensitivity reactions strengthen knowledge about the relationship between diet nutrition and health strengthen traceability and in house control strengthen scientific knowledge of food safety and strengthen consumer knowledge

Timber traceability – A management tool for governments

2022-06-20

sustainability is beginning to transform the food industry with environmental economic and social factors being considered evaluated and implemented throughout the supply chain like never before sustainability in the food industry defines sustainability with a comprehensive review of the industry s current approach to balancing environmental economic and social considerations throughout the supply chain in addition tools and information are provided to

enhance future progress to achieve this the book combines technical research summaries case studies and marketing information coverage includes sustainability as it relates to agricultural practices food processing distribution waste management packaging life cycle analysis food safety and health environmental labeling consumer insight and market demand product development practices in food manufacturing companies food retailing and food service an international group of authors covers the information from a global perspective sustainability in the food industry offers an overview of sustainable sources of impact and improvement how they relate to the key sectors of the food industry and how programs may be implemented for further improvement

Fashion Industry 2030

2020-04-06T13:30:00+02:00

implementation of technology into social and economic developments have provided key strengths in improving competitiveness and meeting the demands of modern society for life and the economy including adapting to green development as a means to confront the economic crisis e innovation for sustainable development of rural resources during global economic crisis brings together a multidisciplinary exchange of knowledge on the application of electronic and mobile innovations towards the sustainable development of the economy providing an opportunity to identify effective e innovation and successful practices this book is essential for researchers students rural developers and academics in the fields of economics sustainable development informatics and the environment

Food Policy Modelling

2022-09-13

the many advances in food production made over the past century have made it possible to feed the whole of humanity but food production and processing can have detrimental effects on the environment major challenges remain with industrial scale higher productivity and larger volumes should not come at the expense of product quality or animal suffering food related problems in spite of their importance have not been sufficiently well discussed in relation to their possible consequences it is essential to understand the consequences of food production processes and demands of the rising standard of living can have on the food consumed daily by the world population of particular importance are the effects on human health and the well being of the population as well as the more general issues related to possible damage to the environment and ecology this book includes contributions presented at the first international conference convened to examine these challenges topics include food processing issues contamination of food pharmaceuticals in food obesity related issues pesticides and nutrients hormonal effects food and fecundity genetic engineering freezing and thawing heavy metals pathogens salination problems desertification transportation problems traceability threshold values modern farming changing climate laws and regulations epidemiological studies water resources problems and animal welfare the book will be of interest to food scientists and nutritionists as well as agricultural ecological and environmental health experts interested in all these challenges

Sustainable Development of Food Safety

2004

this book provides a critical insight into sustainability and fashion in a retailing and marketing context examining a truly global industry sustainability in fashion offers international application with a view to contextualising important developments within the industry contributors use their diverse backgrounds and expertise to provide a contemporary approach in examining key theoretical concepts constructs and developments topics include consumer behaviour communications circular economy and supply chain management the individual chapters focus on sustainability and provide a range of fashion sector examples from high street to luxury apparel

Sustainability in the Food Industry

2009-03-10

taking a social science approach this book explores the governance of sustainable seafood which is fundamental to food and nutrition security as well as being an important source of income and employment in many regions due to the importance of protein and other fishery and aquaculture by products many wild fisheries are coming under pressure and this increasing demand has created a strong driver to expand aquaculture as a result the social and environmental sustainability of these production systems have come into question the authors of the book explore the governance of sustainable seafood taking into account the rise of social movements through environmental non governmental organisations the nature and perceived limits of government regulation within and beyond the state and the promise of market based approaches to governance such as ecolabelling the book focuses on how concern over sustainable seafood has been translated into different current forms of governance it then assesses what alternative governance approaches are starting to emerge that combine movements states and markets for sustainable seafood production and consumption and their effects the book concludes with a vision for the future through key principles for evaluating the collective

impact of governing sustainable seafood this timely volume will be key reading for researchers interested in fisheries and aquaculture governance as well as coastal and marine policies and sustainable food movements more broadly it will also be of interest to practitioners and policymakers engaged in creating fishery policies and sustainable fishery development

E-Innovation for Sustainable Development of Rural Resources During Global Economic Crisis

2013-09-30

sustainability is an issue that increasingly concerns all those involved in the apparel industry including textile manufacturers apparel designers retailers and consumers this important book covers recent advances and novel technologies in the key areas of production processing and recycling of apparel part one addresses sustainable finishing and dyeing processes for textiles the first two chapters concentrate on the environmental impact of fabric finishing including water consumption emissions and waste management further chapters focus on plasma and enzymatic treatments for sustainable textile processing and the potential for improving the sustainability of dyeing technologies part two covers issues of design retail and recycling and includes discussions of public attitudes towards sustainability in fashion methods of measuring apparel sustainability and social trends in the re use of apparel reviews sustainable finishing and dyeing processes for textiles addresses social attitudes towards and methods for measuring sustainability in the apparel industry and retail sectors covers recycling of apparel

Food and Environment

2011

this book contains the proceedings of the international workshop on global sustainability held in benevento italy on february 2014 the proceedings consist of 10 invited and contributed papers related to the broad range of aspects of sustainability in a global scenario including food safety monitoring soil mapping healthcare territorial intelligence local food production greenhouse gas emissions renewable energy sources integrated development sustainability strategies smart bio territories replete with case studies this book aims to provide the perspective of the diverse problems in global sustainability and the many disciplines that could work together in achieving it the workshop itself led to the signing of international agreements for the protection and enhancement of endangered species in the area of north africa contents a greater sustainability is possible carmine nardone and maria luisa varricchio the new development of renewable energy sources in the world a potential path towards global sustainability carlo sinatra global sustainable and integrated development the case of global sustainable and social energy program gssep onlus carlo sinatra a proposal for advanced services and data processing aiming at the territorial intelligence development salvatore rampone and gianni d'angelo visible near infrared reflectance spectroscopy for field scale digital soil mapping a case study antonio p. leone fulvio fragnito giovanni morelli maurizio toska natalia leone massimo bilancia and maria luisa varricchio mediterranean agency for remote sensing and environmental control satellite monitoring and mapping roberto tartaglia polcini evaluation of greenhouse gas emissions of e-commerce valerio morfino alessandro perrella and salvatore rampone pre feasibility study save the camels maria luisa varricchio and carmine nardone a food safety and traceability system based on rfid technology and internet of things gianni d'angelo gianfranco de luca and salvatore rampone wtc we take care experimental smartphone app to follow up and take care of patients with chronic

infectious disease which impact on patients life style alessandro perrella and valerio morfino
global sustainability for a world of smart bio territories donato matassino readership
students researchers and professionals interested in the latest attempt for global
sustainability key features this book evidences an integrated approach to the broad range of
aspects of sustainability in a global scenariokeywords sustainability strategies renewable
energy sources integrated development territorial intelligence endangered species smart bio
territories

Sustainability in Fashion

2017-06-27

modern web based applications are pertinent for businesses as they often encourage their core
competencies and capabilities as such the agribusiness sector must begin to take advantage of
the open networks and advances in communication and information technologies in order to grow
their businesses exponentially driving agribusiness with technology innovations highlights
innovative business models and theories that encourage the use of emerging technological
advances to produce thriving enterprises featuring extensive coverage on relevant topics
including digital environments mobile agriculture supply chain platforms and internet
marketing models this publication is an important reference source for business managers
practitioners professionals and engineers who are interested in discovering emerging
technology trends for agribusiness

Governing Sustainable Seafood

2019-01-08

developments in food quality and safety series is the most up to date resource covering trend topics such as advances in the analysis of toxic compounds and control of food poisoning food fraud traceability and authenticity revalorization of agrifood industry natural antimicrobial compounds and application to improve the preservation of food non thermal processing technologies in the food industry nanotechnology in food production and intelligent packaging and sensors for food applications volume 4 food industry 4 0 emerging trends and technologies in food production and consumption covers several technologies e g robotics smart sensors artificial intelligence and big data at different development and research levels in order to provide holistic multidisciplinary approaches that embrace simultaneously as many industry 4 0 technologies as possible reflecting the long journey of food from farm or sea to fork chapters explore automation digitalization and green technologies besides food quality food safety food traceability processing and preservation 4 0 topics such as smart sensors artificial intelligence and big data revolution additive manufacturing and emerging food trends are also explored the series is edited by dr josé manuel lorenzo and authored by a team of global experts in the fields of food quality and safety providing comprehensive knowledge to food industry personals and scientists provides a comprehensive view of industry 4 0 technologies as applied to the food industry covers the most trend topics related to novel foods in the light of emerging innovations and developments discusses how implementing innovative technologies holds significant potential to increase efficiency and value added save time and cost and increase profitability in various food sectors

Sustainable Apparel

2015-08-28

oil palm cultivation is a significant contributor to the global agricultural industry providing valuable resources for various products while it has faced challenges including

concerns about deforestation and environmental degradation it is crucial to understand the geographical distribution of oil palms to ensure responsible and sustainable management this book introduces the application of geospatial technology to the palm oil industry demonstrating how these tools can address key issues while promoting responsible practices the topics discussed in the book aim to tackle challenges such as illegal deforestation and the monitoring of environmental impacts associated with oil palm cultivation key features the first book to explore the use of remote sensing and geospatial technologies for mapping and monitoring oil palm plantations introduces cutting edge techniques from the fourth industrial revolution including the use of the internet of things iot artificial intelligence big data and analytics block chain and 5g technology for effective oil palm tree monitoring addresses current environmental concerns affecting the industry including issues like floods changes in precipitation temperature humidity and el niño events explores the scientific aspects of promoting sustainability in oil palm developments and the responsible conversion of rainforests into oil palm plantations provides a wealth of application data for early detection and continuous monitoring of environmental challenges this book serves as an insightful resource for those interested in geospatial technologies and their positive impact on monitoring and mitigating environmental changes in the context of the palm oil industry

Global Sustainability Inside and Outside the Territory

2014-12-23

coffee is one of the most popular drinks in the world but how does the production influence chemistry and quality this book covers coffee production quality and chemistry from the plant to the cup written by an international collection of contributors in the field who concentrate on coffee research it is edited expertly to ensure quality of content consistency and organization across the chapters aimed at advanced undergraduates postgraduates and

researchers and accompanied by a sister volume covering how health is influenced by the consumption of coffee these titles provide an impactful and accessible guide to the current research in the field

Driving Agribusiness With Technology Innovations

2017-03-20

a supply chain comprises different actors existing in different countries including suppliers producers and customers clothes are supplied from asia to all other regions most coffee beans are supplied from south america and cocoa is produced in africa protecting the rights of people who produce goods in different countries is essential in fact according to this evolutionary law companies need to identify analyze and prioritize the risks in their supply chains and new policies must be established based on these results new measures are taken to prevent or minimize violations of human rights and damage to the environment companies also need to set up grievance channels for people in the supply chains for regular reporting on supply chain practices the german supply chain act gives consumers the security that companies are managed based on fair production and many similar legislations are likely to follow in other nations businesses around the world must prepare for these types of policies to impact their own supply chain management strategy before they are enforced if they wish to avoid revenue impacting delays government impact on sustainable and responsible supply chain management is edited by atour taghipour with about a decade of experience as a director in automobile and high tech industries provides new and innovative ways to integrate social and environmental analysis into global value chains and adapt the law that regulates corporate responsibility for the observance of sustainability and human rights in the supply chain this book is ideal for professionals and researchers working in governmental and private organizations in supply chain management operations management logistics and operations

research moreover the book provides insights and support for executives in managing expertise knowledge information and organizational development in different work communities and environments

Food Industry 4.0

2024-04-15

corporate sustainability needs a rethink we have entered the human influenced anthropocene age and we are witnessing accelerating changes in earth system processes businesses current initiatives such as product innovation and pollution reduction are not enough to combat the intensifying social ecological challenges that face us corporate sustainability in the 21st century is an innovative new textbook which provides a fresh conceptual framework for understanding and engaging with sustainability now and in the future business in nature this book critically discusses key concepts and topics related to corporate sustainability with a focus on corporate sustainability strategies and corporate value chains setting itself apart from existing books it introduces ideas from global ecology and the natural sciences to provide readers with a new language for discussing business and sustainability this book maintains an international perspective throughout with a wealth of examples case studies and discussion questions it will be a valuable text for students of corporate sustainability business nature and society and environmental studies and will also be useful for managers seeking a new perspective on how being green can fit with business goals

Geospatial Technology for Sustainable Oil Palm Industry

2024-05-15

with the unprecedented increase in the world's population the need for different food processing techniques becomes extremely important and with the increase in awareness of and demand for food quality processed products with improved quality and better taste that are safe are also important aspects that need to be addressed in this volume experts examine the use of different technologies for food processing they look at technology with ways to preserve nutrients eliminate anti nutrients and toxins add vitamins and minerals reduce waste and increase productivity topics include among others applications of ohmic heating cold plasma in food processing the role of biotechnology in the production of fermented foods and beverages the use of modification of food proteins using gamma irradiation edible coatings to restrain migration of moisture oxygen and carbon dioxide natural colorants as opposed to synthetic coloring which may have toxic effects hurdle technology in the food industry the unrecognized potential of agro industrial waste

Coffee

2019-01-11

Government Impact on Sustainable and Responsible Supply Chain Management

2023-07-19

Corporate Sustainability in the 21st Century

2018-12-07

Technologies in Food Processing

2018-07-17

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