

The Meat Crisis Developing More Sustainable And E

Yeah, reviewing a ebook **The Meat Crisis Developing More Sustainable And E** could grow your near friends listings. This is just one of the solutions for you to be successful. As understood, feat does not recommend that you have fabulous points.

Comprehending as without difficulty as promise even more than extra will manage to pay for each success. next-door to, the notice as well as acuteness of this **The Meat Crisis Developing More Sustainable And E** can be taken as without difficulty as picked to act.

The New Meatways and Sustainability - Minna Kanerva 2021-06-30

Social practice theories help to challenge the often hidden paradigms, worldviews, and values at the basis of many unsustainable practices. Discourses and their boundaries define what is seen as possible, as well as the range of issues and their solutions. By exploring the connections between practices and discourses, Minna Kanerva develops a conceptual approach enabling purposive change in unsustainable social practices. Radical transformation towards new meatways is arguably necessary, yet complex psychological, ideological, and power-related mechanisms currently inhibit change.

The Real Cost of Cheap Food - Michael Carolan 2013-10-30

This challenging but accessible book critically examines the dominant food regime on its own terms, by seriously asking whether we can afford cheap food and exploring what exactly cheap food affords us. Detailing the numerous ways that food has become reduced to a state, such as a price per ounce, combination of nutrients, yield per acre, or calories, the book argues for a more contextual understanding of food when debating its affordability. The author makes a compelling case for why today's global food system produces just the opposite of what it promises. The food produced under this regime is in fact exceedingly expensive. Thus meat production and consumption are inefficient uses of resources and contribute to climate change; the use of pesticides in industrial-scale agriculture may produce cheap food, but there are hidden costs to

environmental protection, human health and biodiversity conservation. Many of these costs will be paid for by future generations - cheap food today may mean expensive food tomorrow. By systematically assessing these costs the book delves into issues related, but not limited, to international development, national security, health care, industrial meat production, organic farming, corporate responsibility, government subsidies, food aid and global commodity markets. The book concludes by suggesting ways forward, going beyond the usual solutions such as farmers markets, community supported agriculture, and community gardens. Exploding the myth of cheap food requires we have at our disposal a host of practices and policies. Some of those proposed and explored include microloans, subsidies for consumers, vertical agriculture, and the democratization of subsidies for producers.

Sustainable Agricultural Development - Mohamed Behnassi 2011-02-09

Due to many challenges (i.e. climate change, energy, water and land shortage, high demands on food, land grabbing, etc.), agriculture production potential is expected to be seriously affected; thus, increasing food insecurity and hunger in many already affected regions (especially in Africa). In this context, sustainable agriculture is highly recommended as an eco-system approach where soil, water, plants, environment and living organisms live in harmony. Innovative technologies and research should be developed to ensure sustainable agriculture and productivity using modern irrigation systems, improved varieties, improved soil

quality, etc. In the meantime, the preservation of natural environment should be based on resource conservation technologies and best management practices. Sustainable Agricultural Development, not only raises the serious ethical and social issues underlying these huge environmental problems, but also aims at presenting successful experiences from all over the world in relation with sustainable farming, sustainable management of water and land resources, and innovative processes in livestock production. It also aims at providing inputs to decision making processes and encouraging the transfer of relevant know-how, technologies and expertise to different countries where similar agro-climatic conditions may exist; thus saving precious resources and promoting sustainable agricultural development as a relevant approach to tackle the food security challenge. Finally, this book focuses on the paradigmatic and policy dimensions and call for an innovative approach by analyzing the key themes in a complex and interrelated manner.

High Steaks - Eleanor Boyle 2012-10-09

Each year the average North American ingests well over two hundred pounds of animal protein. Meanwhile the global appetite for meat has increased dramatically. But feeding our meat addiction comes at tremendous cost. Maintaining our current level of consumption is ecologically impossible in the longterm and undermines our personal health and community well-being. High Steaks documents the disastrous consequences of modern large-scale industrial meat production and excessive consumption, including: *The loss of vast tracts of arable land and fresh water to intensive livestock production *Increased pollution, loss of biodiversity, deforestation, and accelerating climate change *The environmental and health impacts of too much animal fat, and of antibiotics and other chemicals in our food. Timely and compelling, this powerful book offers a modest, commonsense approach to a serious problem, suggesting strategies for all of us to cut back on our consumption of animal products and ensure that the meat we do consume is produced in a sustainable, ecologically responsible manner. At the same time, High Steaks describes progressive food policy shifts

that will discourage factory farming and encourage people to eat in ways that support ecosystems and personal health. Eleanor Boyle has been teaching and writing for twenty-five years, with a focus on food systems and their social, environmental, and health consequences. As well as working with organizations aiming for better food policy, she holds an MSc in food policy and is an instructor at the Centre for Sustainability at the University of British Columbia.

Global Governance in the Age of the Anthropocene - Markus Fraundorfer 2022

Chapter 1: Introduction -- Chapter 2: Global Governance and the Anthropocene: An Entangled History -- Chapter 3: Conceptual Toolbox -- Chapter 4: Global Governance of Infectious Disease Outbreaks -- Chapter 5: Global Food Production -- Chapter 6: Transboundary Water Governance? -- Chapter 7: Global Energy Governance -- Chapter 8: Global Environmental Governance -- Chapter 9: Conclusion. .

Food Wars - Tim Lang 2015-10-16

In the years since publication of the first edition of Food Wars much has happened in the world of food policy. This new edition brings these developments fully up to date within the original analytical framework of competing paradigms or worldviews shaping the direction and decision-making within food politics and policy. The key theme of the importance of integrating human and environmental health has become even more pressing. In the first edition the authors set out and brought together the different strands of emerging agendas and competing narratives. The second edition retains the same core structure and includes updated examples, case studies and the new issues which show how these conflicting tendencies have played out in practice over recent years and what this tells us about the way the global food system is heading. Examples of key issues given increased attention include: nutrition, including the global rise in obesity, as well as chronic conditions, hunger and under-nutrition the environment, particularly the challenges of climate change, biodiversity loss, water stress and food security food industry concentration and market power volatility and uncertainty over food prices and policy responses tensions over food, democracy and

citizenship social and cultural aspects impacting food and nutrition policies.

The Meat Crisis - John Webster 2013-10-18

Meat and dairy production and consumption are in crisis. Globally 60 billion farm animals are used for food production every year. It is well accepted that methane emissions from cattle and other livestock are major contributors to greenhouse gas levels and to climate change. The Food and Agriculture Organization of the United Nations (FAO) predicts a rough doubling of meat and milk consumption by 2050, with particularly rapid growth occurring in the developing economies of Asia. This could raise the number of farm animals used annually to nearer 120 billion. What will this mean for the health and wellbeing of those animals, of the people who consume ever larger quantities of animal products, and for the health of the planet itself? This powerful and challenging book explores these issues surrounding the global growth in the production and consumption of meat and dairy animals and products, including cultural and health factors, and the implications of the likely intensification of farming for both small-scale producers and for the animals. Several chapters explore the related environmental issues, from resource use of water, cereals and soya, to the impact of livestock production on global warming and issues concerning biodiversity, land use and the impacts of different farming systems on the environment. A final group of chapters addresses ethical and policy implications for the future of food and livestock production and consumption. The overall message is clearly that we must eat less meat to help secure a more sustainable and equitable world.

Routledge Handbook of Food and Nutrition Security - Bill Pritchard 2016-03-31

The concept of food and nutrition security has evolved and risen to the top of the international policy agenda over the last decade. Yet it is a complex and multi-faceted issue, requiring a broad and inter-disciplinary perspective for full understanding. This Handbook represents the most comprehensive compilation of our current knowledge of food and nutrition security from a global perspective. It is organized to reflect the

wide scope of the contents, its four sections corresponding to the accepted current definitional frameworks prevailing in the work of multilateral agencies and mainstream scholarship. The first section addresses the struggles and progression of ideas and debates about the subject in recent years. The other sections focus on three key themes: how food has been, is and should be made available, including by improvements in agricultural productivity; the ways in which politico-economic and social arenas have shaped access to food; and the effects of food and nutrition systems in addressing human health, known as food utilisation. Overall, the volume synthesizes a vast field of information drawn from agriculture, soil science, climatology, economics, sociology, human and physical geography, the nutrition and health sciences, environmental science and development studies.

Environmental Engineering and Sustainable Design - Bradley Striebig 2022-01-05

Focus on critical contemporary issues as you examine engineering design and technologies within the context of models for managing systems' sustainability with ENVIRONMENTAL ENGINEERING AND SUSTAINABLE DESIGN, 2nd Edition. This best-selling invaluable resource, specifically designed for those studying engineering or applied environmental science, is updated with the latest developments and current, relevant case studies from across the globe. You learn how to incorporate sustainable practices into engineering design process, technological systems and the built environment. Expanded active learning exercises for each chapter guide you in applying theory to real situations. New chapters address developing issues and help bring sustainability science, environmental impact analysis and models of sustainability in engineering practice to the forefront. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Emerging Challenges to Food Production and Security in Asia, Middle East, and Africa - Mohamed Behnassi 2021-07-28

This book, as a part of a series of CERES publications, provides a multi-regional and cross-sectoral analysis of food and water security, especially

in the era of climate risks, biodiversity loss, pressure on scarce resources, especially land and water, increasing global population, and changing dietary preferences. It includes both conceptual research and empirically-based studies, which provides context-specific analyses and recommendations based on a variety of case studies from Africa, Middle East, and Asia regarding the fostering of long-term resilience of food and water security. The core approach of the volume consists of: assessing the structural drivers affecting the vulnerability of food and water security, under the persistence of current trends; identifying the best solutions and practices to enhance the climate resilience for food and water security; and fostering climate adaptation and biodiversity protection for food and water security.

Sustainable Protein Sources - Sudarshan Nadathur 2016-10-02

Protein plays a critical role in human nutrition. Although animal-derived proteins constitute the majority of the protein we consume, plant-derived proteins can satisfy the same requirement with less environmental impact. *Sustainable Protein Sources* allows readers to understand how alternative proteins such as plant, fungal, algal, and insect protein can take the place of more costly and less efficient animal-based sources. *Sustainable Protein Sources* presents the various benefits of plant and alternative protein consumption, including those that benefit the environment, population, and consumer trends. The book presents chapter-by-chapter coverage of protein from various sources, including cereals and legumes, oilseeds, pseudocereals, fungi, algae, and insects. It assesses the nutrition, uses, functions, benefits, and challenges of each of these proteins. The book also explores opportunities to improve utilization and addresses everything from ways in which to increase consumer acceptability, to methods of improving the taste of products containing these proteins, to the ways in which policies can affect the use of plant-derived proteins. In addition, the book delves into food security and political issues which affect the type of crops that are cultivated and the sources of food proteins. The book concludes with required consumer choices such as dietary changes and future research ideas that necessitate vigorous debate for a sustainable planet.

Introduces the need to shift current animal-derived protein sources to those that are more plant-based Presents a valuable compendium on plant and alternate protein sources covering land, water, and energy uses for each type of protein source Discusses nutritive values of each protein source and compares each alternate protein to more complete proteins Provides an overview of production, including processing, protein isolation, use cases, and functionality Presents solutions to challenges, along with taste modulation Focuses on non-animal derived proteins Identifies paths and choices that require consumer and policymaker debate and action

Engineering Applications in Sustainable Design and Development -

Bradley Striebig 2015-01-01

ENGINEERING APPLICATIONS IN SUSTAINABLE DESIGN AND DEVELOPMENT is an invaluable resource for today's engineering student. Focusing on pressing contemporary issues, the text puts product design in the context of models of sustainability. Relevant case studies from across the globe will be of interest to engineers in training, and active learning exercises in each chapter help students learn to apply theory to real world situations. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Sustainable Food System Assessment (Open Access) - Alison Blay-

Palmer 2019-12-12

Sustainable Food System Assessment provides both practical and theoretical insights about the growing interest in and response to measuring food system sustainability. Bringing together research from the Global North and South, this book shares lessons learned, explores intended and actual project outcomes, and highlights points of conceptual and methodological convergence. Interest in assessing food system sustainability is growing, as evidenced by the Milan Urban Food Policy Pact and the importance food systems initiatives have taken in serving as a lever for attaining the UN Sustainable Development Goals. This book opens by looking at the conceptual considerations of food systems indicators, including the place-based dimensions of food systems

indicators and how measurements are implicated in sense-making and visioning processes. Chapters in the second part cover operationalizing metrics, including the development of food systems indicator frameworks, degrees of indicator complexities, and practical constraints to assessment. The final part focuses on the outcomes of assessment projects, including impacts on food policy and communities involved, highlighting the importance of building connections between sustainable food systems initiatives. The global coverage and multi-scalar perspectives, including both conceptual and practical aspects, make this a key resource for academics and practitioners across planning, geography, urban studies, food studies, and research methods. It will also be of interest to government officials and those working within NGOs.

Food and Sustainability in the Twenty-First Century - Paul Collinson
2019-06-06

Sustainability is one of the great problems facing food production today. Using cross-disciplinary perspectives from international scholars working in social, cultural and biological anthropology, ecology and environmental biology, this volume brings many new perspectives to the problems we face. Its cross-disciplinary framework of chapters with local, regional and continental perspectives provides a global outlook on sustainability issues. These case studies will appeal to those working in public sector agencies, NGOs, consultancies and other bodies focused on food security, human nutrition and environmental sustainability.

Encyclopedia of Food Security and Sustainability - 2018-11-08

The Encyclopedia of Food Security and Sustainability covers the hottest topics in the science of food sustainability, providing a synopsis of the path society is on to secure food for a growing population. It investigates the focal issue of sustainable food production in relation to the effects of global change on food resources, biodiversity and global food security. This collection of methodological approaches and knowledge derived from expert authors around the world offers the research community, food industry, scientists and students with the knowledge to relate to, and report on, the novel challenges of food production and sustainability.

This comprehensive encyclopedia will act as a platform to show how an interdisciplinary approach and closer collaboration between the scientific and industrial communities is necessary to strengthen our existing capacity to generate and share research data. Offers readers a 'one-stop' resource on the topic of food security and sustainability. Contains articles split into sections based on the various dimensions of Food Security and Food Sustainability. Written by academics and practitioners from various fields and regions with a "farm to fork" understanding. Includes concise and accessible chapters, providing an authoritative introduction for non-specialists and readers from undergraduate level upwards, as well as up-to-date foundational content for those familiar with the field.

[The Meat Crisis](#) - Joyce D'Silva 2017-08-23

Meat and dairy production and consumption are in crisis. Globally, 70 billion farm animals are used for food production every year. It is well accepted that livestock production is a major contributor to greenhouse gas emissions. The Food and Agriculture Organization of the United Nations (FAO) predicts a rough doubling of meat and milk consumption in the first half of the 21st century, with particularly rapid growth occurring in the developing economies of Asia. What will this mean for the health and wellbeing of those animals, of the people who consume ever larger quantities of animal products, and for the health of the planet itself? The new edition of this powerful and challenging book explores the impacts of the global growth in the production and consumption of meat and dairy, including cultural and health factors, and the implications of the likely intensification of farming for both small-scale producers and for animals. Several chapters explore the related environmental issues, from resource use of water, cereals and soya, to the impact of livestock production on global warming and issues concerning biodiversity, land use and the impacts of different farming systems on the environment. A final group of chapters addresses ethical and policy implications for the future of food and livestock production and consumption. Since the first edition, published in 2010, all chapters have been updated, three original chapters re-written and six new chapters added, with additional coverage of dietary effects of milk and

meat, antibiotics in animal production, and the economic, political and ethical dimensions of meat consumption. The overall message is clearly that we must eat less meat to help secure a more sustainable and equitable world.

Green Meat? - Ryan M. Katz-Rosene 2020-04-16

It seems an irrefutable truth that raising animals for meat has become unsustainable. Land is being eroded and destroyed, water resources overdrawn, greenhouse gases overemitted, and energy and crops unnecessarily diverted - all to satiate a growing and inequitable global overconsumption of meat. But is all meat unsustainable? Sustainable food systems are multiple and varied and represent the diversity and complexity we see in the world. A range of socio-ecological and political-economic challenges and solutions are involved in the question of whether sustainable meat consumption exists. *Green Meat?* teases out some of that complexity in order to consider what roles animals and their products might play in the future as the world works towards new ways of living. Through an interdisciplinary lens, scholars and practitioners critically examine the multifaceted dimensions of "green meat": contributors confront the industrial production and slaughter of animals, ask what it means to be a carnivore, and consider the possibilities of regenerative animal agriculture and cellular agriculture. The book analyzes ongoing damage to the landscape, the climate, and water systems caused by conventional livestock production and looks at current debates about the place of meat in sustainable agri-food systems. An expansive inquiry into food production practices, *Green Meat?* will inspire the kind of discussion and debate necessary to grapple with the complex issue of sustainability.

Natural Resources Management: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2016-09-08

The perseveration of our natural environment has become a critical objective of environmental scientists, business owners, and citizens alike. Because we depend on natural resources to survive, uncovering methods for preserving and maintaining these resources has become a focal point

to ensure a high quality of life for future generations. *Natural Resources Management: Concepts, Methodologies, Tools, and Applications* emphasizes the importance of land, soil, water, foliage, and wildlife conservation efforts and management. Focusing on sustainability solutions and methods for preserving the natural environment, this critical multi-volume research work is a comprehensive resource for environmental conservationists, policymakers, researchers, and graduate-level students interested in identifying key research in the field of natural resource preservation and management.

Farming, Food and Nature - Joyce D'Silva 2018-10-25

Livestock production and its use of finite resources is devastating biodiversity and pushing wildlife to the brink of extinction. This powerful book examines the massive global impact caused by intensive livestock production and then explores solutions, ranging from moving to agroecological farming to reducing consumption of animal products, including examples of best practice and innovation, both on land and within the investment and food industries. Leading international contributors spell out the problems in terms of planetary limits, climate change, resources, the massive use of cereals and soy for animal feed, and the direct impact of industrial farming on the welfare of farmed animals. They call for an urgent move to a flourishing food system for the sake of animals, the planet and us. Some offer examples of global good practice in farming or the power of the investment community to drive change, and others highlight food business innovation and exciting developments in protein diversification. Providing a highly accessible overview of key issues, this book creates a timely resource for all concerned about the environmental, social and ethical issues facing food, farming and nature. It will be an invaluable resource and provide inspiration for students, professionals, non-governmental organisations (NGOs) and the general reader.

Impact of Meat Consumption on Health and Environmental Sustainability - Raphaely, Talia 2015-10-19

Meat consumption impacts all aspects of human life and humanity's long-term survival prospects. Despite this knowledge, society continues

to ignore the negative impact of consuming meat, which include excessively high contributions to global greenhouse gas emissions, land and water pollution and depletion, antimicrobial resistance, and negative impacts on human health. *Impact of Meat Consumption on Health and Environmental Sustainability* addresses the difficulties, challenges, and opportunities in reducing excessive meat consumption in order to mitigate human and environmental damage. Policymakers, academicians, researchers, advanced-level students, technology developers, and government officials will find this text useful in furthering their research exposure to pertinent topics such as dietary recommendations for limiting meat consumption, trade and the meat industry, ethics of meat production and consumption, and the environmental impacts of meat consumption.

Animal Husbandry Regained - John Webster 2013

The farming of animals for meat and milk confronts a stark dilemma. While world demand from a growing and more affluent human population is increasing rapidly, there are strong counter-arguments that we should eat less meat and pay more attention to environmental protection, animal welfare and human health and well-being. The aim of this book is to identify and explain the causes and contributors to current problems in animal husbandry, especially those related to 'factory farming', and advance arguments that may contribute to its successful re-orientation. Husbandry is considered in its broadest sense, namely the productive and sustainable use of the land for the good of all (plants, humans and other animals). The first part of the book outlines principles and arguments necessary to engage with current problems: depletion of natural resources and destruction of environment, animal welfare, food and health, fair trade and sharing resources. These arguments are illustrated by examples and sufficient evidence to justify the argument without obscuring the message. The second part presents a series of constructive proposals for change and development in animal husbandry, both in the developed world and subsistence agriculture. These include more integrated crop and livestock farming systems, the ethics of animal welfare and environmental management, and the evolution of a new

social contract whereby the rights of the people to a fair share of good, safe food and a green and pleasant land are matched by a shared responsibility to preserve these things.

Sustainable Food Security in the Era of Local and Global Environmental Change - Mohamed Behnassi 2013-07-01

This volume discusses a broad range of vital issues encompassing the production and consumption of food in the current period of climate change. All of these add up to looming, momentous challenges to food security, especially for people in regions where malnutrition and famine have been the norm during numerous decades. Furthermore, threats to food security do not stop at the borders of more affluent countries - governance of food systems and changes in eating patterns will have worldwide consequences. The book is arranged in four broad sections. Part I, *Combating Food Insecurity: A Global Responsibility* opens with a chapter describing the urgent necessity for new paradigm and policy set to meet the food security challenges of climate change. Also in this section are chapters on meat and the dimensions of animal welfare, climate change and sustainability; on dietary options for mitigating climate change; and the linkage of forest and food production in the context of the REDD+ approach to valuation of forests. Part II, *Managing Linkages Between Climate Change and Food Security* offers a South Asian perspective on Gender, Climate Change and Household Food Security; a chapter on food crisis in sub-Saharan Africa; and separate chapters on critical issues of food supply and production in Nigeria, far-Western Nepal and the Sudano-Sahelian zone of Cameroon. Part III examines Food Security and patterns of production and consumption, with chapters focused on Morocco, Thailand, Bahrain, Kenya and elsewhere. The final section discusses successful, innovative practices, with chapters on Food Security in Knowledge-Based Economy; Biosaline Agriculture in the Gulf States; Rice production in a cotton zone of Benin; palm oil in the production of biofuel; and experiments in raised-bed wheat production. The editors argue that technical prescriptions are insufficient to manage the food security challenge. They propose and explain a holistic approach for adapting food systems to global

environmental change, which demands the engagement of many disciplines - a new, sustainable food security paradigm.

Routledge International Handbook of Rural Studies - Mark Shucksmith 2016-05-20

Rural societies around the world are changing in fundamental ways, both at their own initiative and in response to external forces. The Routledge International Handbook of Rural Studies examines the organisation and transformation of rural society in more developed regions of the world, taking an interdisciplinary and problem-focused approach. Written by leading social scientists from many countries, it addresses emerging issues and challenges in innovative and provocative ways to inform future policy. This volume is organised around eight emerging social, economic and environmental challenges: Demographic change. Economic transformations. Food systems and land. Environment and resources. Changing configurations of gender and rural society. Social and economic equality. Social dynamics and institutional capacity. Power and governance. Cross-cutting these challenges are the growing interdependence of rural and urban; the rise in inequality within and between places; the impact of fiscal crisis on rural societies; neoliberalism, power and agency; and rural areas as potential sites of resistance. The Routledge International Handbook of Rural Studies is required reading for anyone concerned with the future of rural areas.

Understanding the Dairy Cow - John Webster 2020-02-25

A comprehensive and thoroughly revised text on dairy science that contains information on the most recent developments The fully updated third edition of *Understanding the Dairy Cow* explores the scientific principles that provide a foundation for understanding the animal's body system. The comprehensive text also reveals how to properly manage dairy cattle with economic efficiency whilst taking into consideration the cow's welfare. The revised new edition contains expanded coverage on topics including insight into cow behaviour and welfare, genetic selection indices, new strategies for control of mastitis and lameness and information on the overworked cow. It also contains the most recent developments in breeding, nutrition and management. Is an authoritative

text on the dairy cow that covers a wide-ranging subject area including the science, disease and husbandry Presents the information and knowledge necessary for the efficient and humane management of cows Includes expanded coverage on a variety of topics such as cow behaviour and welfare, and genetic selection indices Highlights major new developments in the field Covering both the basics and recent developments in dairy science, *Understanding the Dairy Cow 3rd Edition* is ideal for students in agriculture and veterinary science and for professionals working in the complex business of dairy farming.

Political Ecologies of Meat - Jody Emel 2015-05-15

Livestock production worldwide is increasing rapidly, in part due to economic growth and demand for meat in industrializing countries. Yet there are many concerns about the sustainability of increased meat production and consumption, from perspectives including human health, animal welfare, climate change and environmental pollution. This book tackles the key issues of contemporary meat production and consumption through a lens of political ecology, which emphasizes the power relations producing particular social, economic and cultural interactions with non-human nature. Three main topics are addressed: the political ecology of global livestock production trends; changes in production systems around the world and their implications for environmental justice; and existing and emerging governance strategies for meat production and consumption systems and their implications. Case studies of different systems at varying scales are included, drawn from Asia, Africa, the Americas and Europe. The book includes an editorial introduction to set the context and synthesize key messages for the reader.

The Meat Crisis - Joyce D'Silva 2010

'This book contains truths too important to dismiss, too frightening to ignore.' Joanna Lumely, actor and campaigner --

New Aspects of Meat Quality - Peter P. Purslow 2017-03-22

New Aspects of Meat Quality: From Genes to Ethics provides a reference source that covers what constitutes meat quality in the minds of consumers, marketers, and producers in the 21st century, using the same scientific authority as texts on traditional meat quality values.

Traditional measures in meat quality, such as texture, waterholding, color, flavor/aroma, safety/microbiology, and processing characteristics are still important, however, additional quality attributes now have huge importance in the purchasing intentions of consumers in many countries. These include, amongst others, animal welfare, the impacts of meat on human health, quality assurance schemes, organic/free range, ethical meat production, and the desirability of genetically modified organisms. The book is divided into three main sections, with the first section covering the developments in our understanding of how muscle structure affects the eating qualities of cooked meat. The second section highlights recently developed techniques for measuring, predicting, and producing meat quality, and how these new techniques help us minimize variability in eating quality and/or maximize value. The final section identifies the current qualities of consumer and public perceptions, and what is sustainable, ethical, desirable, and healthy in meat production and consumption. Brings together top researchers in the field to provide a comprehensive overview of the new elements of meat quality Provides a reference source that covers the new aspects of meat quality with the same scientific authority as texts on traditional meat quality values“/li> Edited by an extremely well respected expert in the field who is an Associate Editor of the journal Meat Science (published by Elsevier), the largest global journal within this area

The Water Footprint of Modern Consumer Society - Arjen Y. Hoekstra
2019-06-28

Using the water footprint concept, this impactful book aids our understanding of how we can reduce water consumption and pollution to sustainable levels. Since the publication of the first edition, the question of how to reduce our water footprint has become even more urgent. Freshwater scarcity is increasingly perceived as a global systemic risk and overconsumption of water is widespread. The water footprint, a concept founded by the author, is an indicator of direct and indirect freshwater use by a consumer or producer that can be used to analyze water usage along supply chains and assess the sustainability, efficiency and fairness of our water use. This new edition is fully revised and

updated to reflect continued developments in this rapidly growing field of knowledge. New chapters are added covering the history of the water footprint concept; the environmental footprint of the human species versus planetary boundaries; and the human right to water as a foundation to equitable sharing. All other chapters are fully revised with new findings, applications and references, including major new research on energy, vegetarian diets and intelligent water allocation over competing demands. The Water Footprint of Modern Consumer Society is a key textbook for students of interdisciplinary water studies and those taking other related courses within the environmental sciences. It will also be of interest to those working in the governmental sector, environmental and consumer organizations, the business sector and UN institutions, where there is growing interest in the water footprint concept.

Sustainable Diets - Pamela Mason 2017-03-27

How can huge populations be fed healthily, equitably and affordably while maintaining the ecosystems on which life depends? The evidence of diet's impact on public health and the environment has grown in recent decades, yet changing food supply, consumer habits and economic aspirations proves hard. This book explores what is meant by sustainable diets and why this has to be the goal for the Anthropocene, the current era in which human activities are driving the mismatch of humans and the planet. Food production and consumption are key drivers of transitions already underway, yet policy makers hesitate to reshape public eating habits and tackle the unsustainability of the global food system. The authors propose a multi-criteria approach to sustainable diets, giving equal weight to nutrition and public health, the environment, socio-cultural issues, food quality, economics and governance. This six-pronged approach to sustainable diets brings order and rationality to what either is seen as too complex to handle or is addressed simplistically and ineffectually. The book provides a major overview of this vibrant issue of interdisciplinary and public interest. It outlines the reasons for concern and how actors throughout the food system (governments, producers, civil society and consumers) must

engage with (un)sustainable diets.

Environmental Nutrition - Joan Sabate 2019-04-15

Environmental Nutrition: Connecting Health and Nutrition with Environmentally Sustainable Diets explores the connection between diet, environmental sustainability and human health. Current food systems are a major contributor to our most pressing health and environmental issues, including climate change, water scarcity, food insecurity and chronic diseases. This book not only seeks to increase our understanding of the interrelatedness of these major global issues, but also aids in the creation of new solutions. Sections discuss the diet, the health and environment trilemma, food systems and their trends, environmental nutrition as an all-encompassing discipline, and the environmental nutrition model. Demonstrates how the food system, the environment and human health are inter-related Explores how dietary patterns impact food production and agriculture choices Identifies the imbalance between current food production relative to demand Addresses how the current food system negatively impacts the environment Provides practical solutions to how diets can be both healthy and sustainable

From Field to Fork - Paul B. Thompson 2015

Covering diet and health issues, livestock welfare, world hunger, food justice, environmental ethics, green revolution technology and GMOs in this concise but comprehensive study, Paul B. Thompson shows how food can be a nexus for integrating larger social issues in social inequality, scientific reductionism and the eclipse of morality.

Sustainable Animal Agriculture - Ermias Kebreab 2013-12-13

In order to meet increasing global demand for meat and animal by-products increasingly intensive animal production is necessary. Creating a sustainable system in animal agriculture that works in different production environments is a major challenge for animal scientists. This book draws together themes on sustainability that have emerged as the most pressing in recent years. Addressing practical topics such as air quality, manure management, animal feeds, production efficiency, environmental sustainability, biotechnology issues, animal welfare concerns, societal impacts and an analysis of the data used to assess the

economic sustainability of farms.

Climate Crisis and Creation Care - Christina Nellist 2021-09-28

This volume considers the interconnectedness of all creatures in relation to our planetary boundaries. Through our constant consumption of resources, we have had a distinctly negative impact on the world around us—affecting everything from the weather, food availability, sea levels and the social fabric of our society. This book explores how we arrived at such an unstable world and offers ecological, theological and economically sustainable solutions to a global crisis.

Meat Makes People Powerful - Wilson J. Warren 2018-02-15

From large-scale cattle farming to water pollution, meat—more than any other food—has had an enormous impact on our environment. Historically, Americans have been among the most avid meat-eaters in the world, but long before that meat was not even considered a key ingredient in most civilizations' diets. Labor historian Wilson Warren, who has studied the meat industry for more than a decade, provides this global history of meat to help us understand how it entered the daily diet, and at what costs and benefits to society. Spanning from the nineteenth century to current and future trends, Warren walks us through the economic theory of food, the discovery of protein, the Japanese eugenics debate around meat, and the environmental impact of livestock, among other topics. Through his comprehensive, multifaceted research, he provides readers with the political, economic, social, and cultural factors behind meat consumption over the last two centuries. With a special focus on East Asia, Meat Makes People Powerful reveals how national governments regulated and oversaw meat production, helping transform virtually vegetarian cultures into major meat consumers at record speed. As more and more Americans pay attention to the sources of the meat they consume, Warren's compelling study will help them not only better understand the industry, but also make more informed personal choices. Providing an international perspective that will appeal to scholars and nutritionists alike, this timely examination will forever change the way you see the food on your plate.

Risk and Food Safety in China and Japan - Louis Augustin-Jean

2018-10-03

Around the world, food has probably never been as safe as it is today. However, periodic crises have aroused consumer anxiety and contributed to a general lack of confidence in the agro-industrial system. The diverse nature of these crises increases governments' and industry difficulties in predicting and tackling them. This book addresses the relations between risk and food theoretically and empirically through case studies from Japan and China. Part I of the book examines the interaction between theoretical aspects and decision-making. The book theorizes the links between food and risk and analyses the decision-making process in light of risks and governance. The relationship between food risks, governance systems and economic decisions is assessed to explore ideas such as the "pact of nutrition" and the theory of weak signals. Part II examines case studies from China and Japan in the aftermaths of recent crises such as the milk powder scandal in China and food safety following the Fukushima nuclear accident and tsunami in Japan. This book will be an important resource for scholars, academics and policy-makers in the fields of sociology, economics, food studies, Chinese studies and Japanese studies and theories of risks and safety.

Sustainable food planning: evolving theory and practice - André Viljoen 2012-03-30

Half the world's population is now urbanised and cities are assuming a larger role in debates about the security and sustainability of the global food system. Hence, planning for sustainable food production and consumption is becoming an increasingly important issue for planners, policymakers, designers, farmers, suppliers, activists, business and scientists alike. The rapid growth of the food planning movement owes much to the unique multi-functional character of food systems. In the wider contexts of global climate change, resource depletion, a burgeoning world population, competing food production systems and diet-related public health concerns, new paradigms for urban and regional planning capable of supporting sustainable and equitable food systems are urgently needed. This book addresses this urgent need. By working at a range of scales and with a variety of practical and

theoretical models, this book reviews and elaborates definitions of sustainable food systems, and begins to define ways of achieving them. Four different themes have been defined as entry-points into the discussion of 'sustainable food planning'. These are (1) urban food governance, (2) integrating health, environment and society, (3) urban agriculture (4) planning and design. 'This is an important compilation on a timely topic. It brings together the work of planners and designers from both sides of the Atlantic, and challenges us to think about how to create food systems that deliver healthy, just, and sustainable communities and vital places. The book moves dexterously between the grassroots and policy halls and draws valuable lessons for theory and practice.' Dr. Kami Pothukuchi, Department of Urban Studies & Planning, Wayne State University 'To address the problems of urban food production we need to look at the city in a completely different way. This timely book will act as an important source for those who have an ethical interest, not only in food, but in improving the quality and justice of life in our city communities.' Prof. Flora Samuel, School of Architecture, University of Sheffield and member of Royal Institute of British Architects Research and Development Committee 'This publication provides a lot of "food for thought", not just for persons professionally involved in the food sector and officials dealing with national food policies, but especially for local and regional authorities, urban planners and architects, NGOs and community based organisations, health and environmental officers and concerned consumers. Against the background of the growing awareness of the elevated social, health and ecological costs of the mainstream globalized agri-food system, this book analyses the emergence of a new vision and many initiatives that seek to reconnect (sustainable) production with (sustainable) consumption Hence, the book delivers what is promised in its title: it discusses new concepts related to food and sustainable urban/regional planning based on a critical review of innovative practices at various levels.' Ir. Henk de Zeeuw, Director RUAF Foundation 'For those who work to address the future challenges facing city development, this book is a must. Why? Because today practitioners and professionals are being asked to

understand urban food production within a social, economic and ecological context. This book shows us how these connections are being made. The chapters are accessible and fascinating and will help beginners and experts to deal with food production in their everyday work.' Dr. Carlo W. Becker, bgmr Landscape Architects Berlin/Leipzig and Technical University Cottbus

Food and Urbanism - Susan Parham 2015-02-26

Cities are home to over fifty percent of the world's population, a figure which is expected to increase enormously by 2050. Despite the growing demand on urban resources and infrastructure, food is still often overlooked as a key factor in planning and designing cities. Without incorporating food into the design process - how it is grown, transported, and bought, cooked, eaten and disposed of - it is impossible to create truly resilient and convivial urbanism. Moving from the table and home garden to the town, city, and suburbs, *Food and Urbanism* explores the connections between food and place in past and present design practices. The book also looks to future methods for extending the 'gastronomic' possibilities of urban space. Supported by examples from places across the world, including the UK, Norway, Germany, France, Spain, Portugal, Greece, Romania, Australia and the USA, the book offers insights into how the interplay of physical design and socio-spatial practices centred around food can help to maintain socially rich, productive and sustainable urban space. Susan Parham brings together the latest research from a number of disciplines - urban planning, food studies, sociology, geography, and design - with her own fieldwork on a range of foodscapes to highlight the fundamental role food has to play in shaping the urban future.

Critical Role of Animal Science Research in Food Security and Sustainability - National Research Council 2015-03-31

By 2050 the world's population is projected to grow by one-third, reaching between 9 and 10 billion. With globalization and expected growth in global affluence, a substantial increase in per capita meat, dairy, and fish consumption is also anticipated. The demand for calories from animal products will nearly double, highlighting the critical

importance of the world's animal agriculture system. Meeting the nutritional needs of this population and its demand for animal products will require a significant investment of resources as well as policy changes that are supportive of agricultural production. Ensuring sustainable agricultural growth will be essential to addressing this global challenge to food security. *Critical Role of Animal Science Research in Food Security and Sustainability* identifies areas of research and development, technology, and resource needs for research in the field of animal agriculture, both nationally and internationally. This report assesses the global demand for products of animal origin in 2050 within the framework of ensuring global food security; evaluates how climate change and natural resource constraints may impact the ability to meet future global demand for animal products in sustainable production systems; and identifies factors that may impact the ability of the United States to meet demand for animal products, including the need for trained human capital, product safety and quality, and effective communication and adoption of new knowledge, information, and technologies. The agricultural sector worldwide faces numerous daunting challenges that will require innovations, new technologies, and new ways of approaching agriculture if the food, feed, and fiber needs of the global population are to be met. The recommendations of *Critical Role of Animal Science Research in Food Security and Sustainability* will inform a new roadmap for animal science research to meet the challenges of sustainable animal production in the 21st century.

The Sociology of Food and Agriculture - Michael Carolan 2016-02-12
In this second edition of *The Sociology of Food and Agriculture*, students are provided with a substantially revised and updated introductory text to this emergent field. The book begins with the recent development of agriculture under capitalism and neo-liberal regimes, and the transformation of farming and peasant agriculture from a small-scale, family-run way of life to a globalized system. Topics such as the global hunger and obesity challenges, GM foods, and international trade and subsidies are assessed as part of the world food economy. The final section concentrates on themes of sustainability, food security, and food

sovereignty. The book concludes on a positive note, examining alternative agri-food movements aimed at changing foodscapes at levels from the local to the global. With increased coverage of the financialization of food, food and culture, gender, ethnicity and justice, food security, and food sovereignty, the book is perfect for students with little or no background in sociology and is also suitable for more advanced courses as a comprehensive primer. All chapters include learning objectives, suggested discussion questions, and recommendations for further reading to aid student learning.

Principles of Cattle Production, 3rd Edition - Clive J C Phillips

2018-11-02

This edition is expanded to include more on animal welfare, sustainability and production systems in low and middle income countries, including smallholder production systems. - Has undergone a thorough review of all the existing chapters, with new content on the future role of cattle. - Contains quality colour illustrations, so that key information can be found at a glance. - Is beautifully written with many examples and pointers for further information. - Tackles key issues of sustainability and the requirement for increased production.