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Adventure Tourism R. Buckley 2006-10-24 Adventure tourism is a new, rapidly growing area at both practical and academic levels. Written at an introductory level, Adventure Tourism provides a basic background and covers commercial adventure tourism products across a range of adventure tourism sectors.

Jatropha, Challenges for a New Energy Crop Nicolas Carels 2012-12-15 The book will be a broad and comprehensive look on Jatropha until the details since the book is being contributed by international experts worldwide that have already published works in the international press of Science. Illustrations, tables geographic maps, GPS location, etc are added by each contributors according to the feeling they have concerning what they think their contribution should be. This book will benefit the scientific community immensely. Being aware of any challenges related to Jatropha, i.e. (i) its economy in Asia (India, China) and South America (Brazil), (ii) basics of biofuel technology, (iii) physiology, (iv) farming, (v) byproducts, (vi) biotechnology, (vii) genetic resource (germplasm) and their benefit for the crop by genetic transfer, (viii) genetic map, (ix) comparative genetics, (x) genomics. Breeders and technologist will have access to a complete digested view on Jatropha to decide where and how they should move on with their investigations.

Flaxseed in Human Nutrition, Second Edition Lilian U. Thompson 2003-09-30 Since 1995, when the first edition of Flaxseed in Human Nutrition was published, the consumer and food industry interest in flaxseed as a beneficial component in the human diet has continued to grow as the scientific literature on this subject has expanded over the past decade. This second edition of Flaxseed in Human Nutrition provides the current status of the knowledge about the analysis and composition of flaxseed, the metabolism and bioavailability of its major components, the effect of flaxseed on development and disease, processing of flaxseed, and availability of flaxseed products. Some of the research in these areas was just emerging in the early to mid-1990's and was incomplete or not described when the first edition was published.

The Million Word Crossword Dictionary Stanley Newman 2010-11-09 With more than 1,300,000 answers, this volume contains more than twice as many words as any other crossword dictionary. Meticulously compiled by two crossword professionals with a combined fifty years in the field and based on a massive analysis of current crosswords, there has never been a crossword dictionary with the breadth, depth, and currency of this one. From Jim Carrey to Sister Carrie, Homer Simpson to Homer's Iliad, the wide-ranging entries include 500,000+ synonyms, 3,000+ literary works, 3,000+ films, 20,000+ famous people from all fields, and more than 50,000 fill-in-the-blank clues so popular in today's crosswords. Featuring an introduction by New York Times crossword editor Will Shortz, The Million Word Crossword Dictionary makes every other crossword dictionary obsolete. This edition offers thousands of new entries, including slang terms; brand names; celebrity names; and films, novelists' works, sports Hall of Famers, automobile models, and more. The larger type size makes finding the answers easier than ever.

Nutritive Value of Indian Foods C. Gopalan 2014 This hand book provides detailed information on the nutrient composition of a wide range of common Indian foods available in different parts of India. It also includes a write-up on the basic aspects of human nutrition. The nutrient composition covers 600 foods, both familiar and less familiar. Only those foods with confirmed scientific names have been included. Besides English, names of the foods in several Indian languages are also given for easy identification by the user. The data on nutrient composition of foods given in this book are entirely based on Indian work, mostly carried out at the National Institute of Nutrition, Hyderabad, and other research Institutes and University laboratories. An attempt has been made to give a simple

account of current concepts of nutritional principles, nutritional chemistry of major food groups and nutritional deficiency diseases, prevalent in the country. This book should be useful to the lay public as well as to the health professionals. Uptodate information on nutritional requirement and Recommended Dietary Allowances and Guidelines for formulation of nutritionally adequate diets are also given, for the benefit of professionals and informed public.

Plant Biotechnology: Principles and Applications Malik Zainul Abdin 2017-03-10 The book traces the roots of plant biotechnology from the basic sciences to current applications in the biological and agricultural sciences, industry, and medicine. Providing intriguing opportunities to manipulate plant genetic and metabolic systems, plant biotechnology has now become an exciting area of research. The book vividly describes the processes and methods used to genetically engineer plants for agricultural, environmental and industrial purposes, while also discussing related bioethical and biosafety issues. It also highlights important factors that are often overlooked by methodologies used to develop plants' tolerance against biotic and abiotic stresses and in the development of special foods, bio-chemicals, and pharmaceuticals. The topics discussed will be of considerable interest to both graduate and postgraduate students. Further, the book offers an ideal reference guide for teachers and researcher alike, bridging the gap between fundamental and advanced approaches.

Petey (new cover) Ben Mikaelson 2010-06-22 In 1922, at the age of two, Petey's distraught parents commit him to the state's insane asylum, unaware that their son is actually suffering from severe cerebral palsy. Bound by his wheelchair and struggling to communicate with the people around him, Petey finds a way to remain kind and generous despite the horrific conditions in his new "home." Through the decades, he befriends several caretakers but is heartbroken when each eventually leaves him. Determined not to be hurt again, he vows to no longer let hope of lifelong friends and family torment him. That changes after he is moved into a nursing home and meets a young teen named Trevor Ladd; he sees something in the boy and decides to risk friendship one last time. Trevor, new to town and a bit of a loner, is at first weary of the old man in the wheelchair. But after hearing more of his story, Trevor learns that there is much more to Petey than meets the eye. Petey is a touching story of friendship, discovery, and the uplifting power of the human spirit.

COVID-19 Pandemic Trajectory in the Developing World Mukunda Mishra 2021-04-21 We are witnessing an unprecedented global outbreak of COVID-19, which has been devastating in its consequences. Beyond the acute health hazard, the pandemic has carried with it other threats for mankind associated with the human economy, society, culture, psychology and politics. Amidst these multifarious dimensions of the pandemic, it is high time for global solidarity to save humankind. Human society, its ambient environment, the process of socio-economic development, and politics and power – all are drivers to establish the world order. All these parameters are intimately and integrally related. The interconnections of these three driving forces have a significant bearing on life, space and time. In parallel, the interrelationship between all these drivers is dynamic, and they are changed drastically with time and space. The statistics serve to align the thought, based on which social scientists need to understand the prevailing equation to project the unforeseen future. The trajectory of the future world helps in planning and policymaking with a scientific direction. The practitioners of all academic disciplines under the umbrella of the social sciences need a common platform to exchange ideas that may be effective in the sustainable management of the crisis and the way forward after it is mitigated. This book provides multidisciplinary contributions for expressing the solidarity of academic knowledge to fight against this global challenge. It is crucial that there should be an on-going discussion and exchange of ideas, not only from the perspective of the current times but keeping in view the preparedness for unforeseen post-COVID crises as well.

Vegetarian and Plant-Based Diets in Health and Disease Prevention François Mariotti 2017-05-23 Vegetarian and Plant-Based Diets in Health and Disease Prevention examines the science of vegetarian and plant-based diets and their nutritional impact on human health. This book assembles the science related to vegetarian and plant-based diets in a comprehensive, balanced, single reference that discusses both the overall benefits of plant-based diets on health and the risk of disease and issues concerning the status in certain nutrients of the individuals, while providing overall consideration to the entire spectrum of vegetarian diets. Broken into five sections, the first provides a general overview of vegetarian / plant-based diets so that readers have a foundational understanding of the topic. Dietary choices and their relation with nutritional transition and sustainability issues are discussed. The second and third sections provide a comprehensive description of the relationship between plant-based diets and health and disease prevention. The fourth section provides a deeper look into how the relationship between plant-based diets and health and disease prevention may differ in populations with different age or physiological status. The fifth and final section of the book details the nutrients and substances whose intakes are related to the proportions of plant or animal products in the diet. Discusses the links between health and certain important characteristics of plant-based diets at the level of food groups Analyzes the relation between plant-based diet and health at the different nutritional levels, i.e. from dietary patterns to specific nutrients and substances Provides a balanced evidence-based approach to analyze the positive and negative aspects of vegetarianism Addresses the different aspects of diets predominantly based on plants, including geographical and cultural variations of vegetarianism

Case Studies in Ecotourism Ralf Buckley 2003-01-01 As a counterpart to the growing volume of more theoretical literature in ecotourism, this volume presents a global compilation and analysis of over 170 real-life case studies in

ecotourism, selected after an extensive screening process. It includes ecotours on land and sea, ecolodges and resorts, private reserves and public parks. The case studies range from the world's best models to test cases, small and large, unique to representative. Data has been drawn from independent audits by the author and others, as well as from published reports from universities, multilateral and non-government organizations. The book shows what ecotourism can achieve, what constraints it faces, and provides a convenient and comprehensive reference for ecotourism enterprises, development agencies and university teaching.

Energy Democracy Denise Fairchild 2017-10-12 The near-unanimous consensus among climate scientists is that the massive burning of gas, oil, and coal is having cataclysmic impacts on our atmosphere and climate. These climate and environmental impacts are particularly magnified and debilitating for low-income communities and communities of color. Energy democracy tenders a response and joins the environmental and climate movement with broader movements for social and economic change in this country and around the world. Energy Democracy brings together racial, cultural, and generational perspectives to show what an alternative, democratized energy future can look like. The book will inspire others to take up the struggle to build the energy democracy movement.

Soil Analysis: Recent Trends and Applications Amitava Rakshit 2020-04-07 Soil analysis is critically important in the management of soil-based production systems. In the absence of efficient methods of soil analysis our understanding of soil is pure guesswork. Ideally the pro-active use of laboratory analysis leads to more sustainable soil productivity. Unfortunately, most of the world's agriculture is still reactionary, waiting for obvious yield declines to occur before taking action to identify the reasons. The modern soil laboratory is pivotal to informing soil managers what adaptive practices are needed to address chemical and physical imbalances before they occur, and the intelligent adaptive use of laboratory data not only greatly speeds up and reduces the cost of empirical soil study, but can even render it unnecessary. This book provides a synopsis of the analytical procedures used for soil analysis, discussing the common physical, chemical and biological analytical methods used in agriculture and horticulture. Written by experienced experts from institutions and laboratories around the globe, it provides insights for a range of users, including those with limited laboratory facilities, and helps students, teachers, soil scientists and laboratory technicians increase their knowledge and skills and select appropriate methods for soil analysis.

Indian Democracy Suhas Palshikar 2017 India's democracy often receives extreme responses of exaggerated appreciation or enlarged criticism. It is necessary that public debates on democracy in India are based on a more informed analysis. This short introduction will help the reader to put the various debated issues in perspective and arrive at a critical appreciation of the endeavour called democracy. The book takes the reader through a tour of key issues of contestations and mobilization that have occupied the terrain of democratic politics in India. Calling India's democracy 'work in progress', this short tract draws attention to the central paradoxes of Indian democracy. While taking a long term view of democracy, the book is alive to the more contemporary challenges as well. Readers may agree or disagree, but they cannot ignore the central argument that while India's democracy wades through many paradoxes, it faces the challenge of distortion if majoritarian tendencies become pervasive and if the core feature of diversity is weakened. This book is a timely warning about the possibilities and distortions that democracy in India contains.

Water, Cultural Diversity, and Global Environmental Change Barbara Rose Johnston 2011-12-07 Co-published with UNESCO A product of the UNESCO-IHP project on Water and Cultural Diversity, this book represents an effort to examine the complex role water plays as a force in sustaining, maintaining, and threatening the viability of culturally diverse peoples. It is argued that water is a fundamental human need, a human right, and a core sustaining element in biodiversity and cultural diversity. The core concepts utilized in this book draw upon a larger trend in sustainability science, a recognition of the synergism and analytical potential in utilizing a coupled biological and social systems analysis, as the functioning viability of nature is both sustained and threatened by humans.

Communication and Public Participation in Environmental Decision Making Stephen P. Depoe 2004-02-03 Looks at the critical role of community members and other interested parties in environmental policy decision making.

Future Directions for the Global Functional Foods Market Leatherhead International Limited. Strategic Insights Department 2014

Caribbean Religious History Ennis Barrington Edmonds 2010-06-02 The colonial history of the Caribbean created a context in which many religions, from indigenous to African-based to Christian, intermingled with one another, creating a rich diversity of religious life. Caribbean Religious History offers the first comprehensive religious history of the region. Ennis B. Edmonds and Michelle A. Gonzalez begin their exploration with the religious traditions of the Amerindians who flourished prior to contact with European colonizers, then detail the transplantation of Catholic and Protestant Christianity and their centuries of struggles to become integral to the Caribbean's religious ethos, and trace the twentieth century penetration of American Evangelical Christianity, particularly in its Pentecostal and Holiness iterations. Caribbean Religious History also illuminates the influence of Africans and their descendants on the shaping of such religious traditions as Vodou, Santeria, Revival Zion, Spiritual Baptists, and Rastafari, and the success of Indian indentured laborers and their descendants in reconstituting Hindu and Islamic practices in their new environment. Paying careful attention to the region's social and political history, Edmonds and Gonzalez present a one-volume panoramic introduction to this religiously vibrant part of the world.

Agroforestry and Biodiversity Conservation in Tropical Landscapes Götz Schroth 2013-03-22 Agroforestry -- the

practice of integrating trees and other large woody perennials on farms and throughout the agricultural landscape -- is increasingly recognized as a useful and promising strategy that diversifies production for greater social, economic, and environmental benefits. *Agroforestry and Biodiversity Conservation in Tropical Landscapes* brings together 46 scientists and practitioners from 13 countries with decades of field experience in tropical regions to explore how agroforestry practices can help promote biodiversity conservation in human-dominated landscapes, to synthesize the current state of knowledge in the field, and to identify areas where further research is needed. *Agroforestry and Biodiversity Conservation in Tropical Landscapes* is the first comprehensive synthesis of the role of agroforestry systems in conserving biodiversity in tropical landscapes, and contains in-depth review chapters of most agroforestry systems, with examples from many different countries. It is a valuable source of information for scientists, researchers, professors, and students in the fields of conservation biology, resource management, tropical ecology, rural development, agroforestry, and agroecology.

Climate Change, Water and Food Security Hugh Turrall 2011 The rural poor, who are the most vulnerable, are likely to be disproportionately affected.

Use and Conservation of the Biosphere Unesco 1970

Microbial Interventions in Agriculture and Environment Dhananjaya Pratap Singh 2019-11-16 Microbial communities and their functions play a crucial role in the management of ecological, environmental and agricultural health on the Earth. Microorganisms are the key identified players for plant growth promotion, plant immunization, disease suppression, induced resistance and tolerance against stresses as the indicative parameters of improved crop productivity and sustainable soil health. Beneficial belowground microbial interactions with the rhizosphere help plants mitigate drought and salinity stresses and alleviate water stresses under the unfavorable environmental conditions in the native soils. Microorganisms that are inhabitants of such environmental conditions have potential solutions for them. There are potential microbial communities that can degrade xenobiotic compounds, pesticides and toxic industrial chemicals and help remediate even heavy metals, and thus they find enormous applications in environmental remediation. Microbes have developed intrinsic metabolic capabilities with specific metabolic networks while inhabiting under specific conditions for many generations and, so play a crucial role. The book *Microbial Interventions in Agriculture and Environment* is an effort to compile and present a great volume of authentic, high-quality, socially-viable, practical and implementable research and technological work on microbial implications. The whole content of the volume covers protocols, methodologies, applications, interactions, role and impact of research and development aspects on microbial interventions and technological outcomes in prospects of agricultural and environmental domain including crop production, plant-soil health management, food & nutrition, nutrient recycling, land reclamation, clean water systems and agro-waste management, biodegradation & bioremediation, biomass to bioenergy, sanitation and rural livelihood security. The covered topics and sub-topics of the microbial domain have high implications for the targeted and wide readership of researchers, students, faculty and scientists working on these areas along with the agri-activists, policymakers, environmentalists, advisors etc. in the Government, industries and non-government level for reference and knowledge generation.

Bowser the Hound Thornton W. Burgess 2012-09-19 Bowser the Hound, outsmarted so often by Old Man Coyote, is taken advantage of once again when the coyote leads him on a long chase that ends far from the canine's home.

Functional Foods and Cardiovascular Disease Mohammed H. Moghadasian 2012-02-10 Cardiovascular disease remains the number one killer in North America and around the world. The staggering medical costs involved in treating patients suffering from this disease demand an alternative approach to prevent or minimize its development. In *Functional Foods and Cardiovascular Disease*, international researchers reveal essential up-to-date information on the role that functional foods and nutraceuticals play in preventing the development of heart disease. Highlighting the physiological benefits of a host of functional foods, the book examines: The pathogenesis of coronary artery disease Genetic methods for enhancing bioactives in foods and new techniques for extracting bioactive components for developing functional foods Clinical and experimental evidence of the cardiovascular benefits of fish oils and plant oils, particularly flaxseed oil The importance of folic acid in homocysteine metabolism and its impact on cardiovascular disease Clinical and experimental evidence for the cardiovascular benefits of plant sterols The beneficial effects of wine, garlic products, eggs, fiber, cocoa and chocolate, and coffee and tea on cardiovascular health While there have been great improvements in treating coronary heart disease through surgery and medications, prevention through diet and exercise should remain an essential priority in maintaining the health of the aging population. Nutritionists, food scientists, and those working in the health industry will find that this book enhances their understanding of the potential role of functional foods in combating cardiovascular disease before more aggressive treatment is needed.

Flaxseed Production Theodore E. Stoa 1924

Methods and Approaches in Forest History Mauro Agnoletti 2000 A companion to *Forest History: International Studies on Socioeconomic and Forest Ecosystem Change* which includes over 20 papers from the same conference. This book focuses on the different approaches and methods adopted in the study of forest history. The interdisciplinary nature of these studies is emphasized, bringing in the different perspectives of anthropologists, botanists, ecologists, foresters, historians, geneticists and geographers. This volume demonstrates the rich diversity of approaches and methods to forest history and the need to integrate them to give a more meaningful

understanding of human-nature interactions, making forest history a more effective tool for the management of forest ecosystems.

Ethnopharmacology of Wild Plants Mahendra Rai 2020-10 Wild plants signify a vital health and economic constituent of biodiversity. In recent years, research interest on wild plants has increased. This book contains valuable information on wild plants and their ethnopharmacological properties. It deliberates on traditional usage and ethnopharmacological properties of wild plants. It will be useful to policy makers, researchers working in the areas of biodiversity, ethnopharmacology, ethno-biology, conservation biology and biodiversity prospecting.

Dictators and Autocrats Klaus Larres 2021-10-31 In order to truly understand the emergence, endurance, and legacy of autocracy, this volume of engaging essays explores how autocratic power is acquired, exercised, and transferred or abruptly ended through the careers and politics of influential figures in more than 20 countries and six regions. The book looks at both traditional "hard" dictators, such as Hitler, Stalin, and Mao, and more modern "soft" or populist autocrats, who are in the process of transforming once fully democratic countries into autocratic states, including Recep Tayyip Erdoğan in Turkey, Brazilian leader Jair Bolsonaro, Rodrigo Duterte in the Philippines, Narendra Modi in India, and Viktor Orbán in Hungary. The authors touch on a wide range of autocratic and dictatorial figures in the past and present, including present-day autocrats, such as Vladimir Putin and Xi Jinping, military leaders, and democratic leaders with authoritarian aspirations. They analyze the transition of selected autocrats from democratic or benign semi-democratic systems to harsher forms of autocracy, with either quite disastrous or more successful outcomes. An ideal reader for students and scholars, as well as the general public, interested in international affairs, leadership studies, contemporary history and politics, global studies, security studies, economics, psychology, and behavioral studies.

Twelve Years a Slave Solomon Northup 2021-01-01 "Having been born a freeman, and for more than thirty years enjoyed the blessings of liberty in a free State—and having at the end of that time been kidnapped and sold into Slavery, where I remained, until happily rescued in the month of January, 1853, after a bondage of twelve years—it has been suggested that an account of my life and fortunes would not be uninteresting to the public." -an excerpt

Dynamic Secrets in Communication Security Sheng Xiao 2013-08-13 Dynamic secrets are constantly generated and updated from messages exchanged between two communication users. When dynamic secrets are used as a complement to existing secure communication systems, a stolen key or password can be quickly and automatically reverted to its secret status without disrupting communication. "Dynamic Secrets in Communication Security" presents unique security properties and application studies for this technology. Password theft and key theft no longer pose serious security threats when parties frequently use dynamic secrets. This book also illustrates that a dynamic secret based security scheme guarantees impersonation attacks are detected even if an adversary steals a user's password or their key is lost. Practitioners and researchers working in network security or wireless communications will find this book a must-have reference. "Dynamic Secrets in Communication Security" is also a valuable secondary text for advanced-level students in computer science and electrical engineering.

The Anthropology of Parliaments Emma Crewe 2021-05-14 The Anthropology of Parliaments offers a fresh, comparative approach to analysing parliaments and democratic politics, drawing together rare ethnographic work by anthropologists and politics scholars from around the world. Crewe's insights deepen our understanding of the complexity of political institutions. She reveals how elected politicians navigate relationships by forging alliances and thwarting opponents; how parliamentary buildings are constructed as sites of work, debate and the nation in miniature; and how politicians and officials engage with hierarchies, continuity and change. This book also proposes how to study parliaments through an anthropological lens while in conversation with other disciplines. The dive into ethnographies from across Africa, the Americas, Asia, Europe, the Middle East and the Pacific Region demolishes hackneyed geo-political categories and culminates in a new comparative theory about the contradictions in everyday political work. This important book will be of interest to anyone studying parliaments but especially those in the disciplines of anthropology and sociology; politics, legal and development studies; and international relations.

Cell-Penetrating Peptides Ulo Langel 2002-05-29 One of the major problems with drug delivery is the inability of large hydrophilic compounds to pass through the lipid membrane of the cell, thus making drugs such as polypeptides and oligonucleotides of limited therapeutic value. Until recently, the transport of such molecules into the cytoplasmic and nuclear compartments of living cells seemed a

Nutritional Antioxidant Therapies: Treatments and Perspectives Kaïs Hussain Al-Gubory 2018-03-10 This book offers a collection of expert reviews on the use of plant-based antioxidant therapies in disease prevention and treatment. Topics discussed include the uses of plant and nutritional antioxidants in the contexts of reproductive health and prenatal development, healthcare and aging, noncommunicable chronic diseases, and environmental pollution. The text is complemented by a wealth of color figures and summary tables.

Integrating Landscapes: Agroforestry for Biodiversity Conservation and Food Sovereignty Florencia Montagnini 2018-01-24 Agroforestry systems (AFS) are becoming increasingly relevant worldwide as society has come to recognize their multiple roles and services: biodiversity conservation, carbon sequestration, adaptation and mitigation of climate change, restoration of degraded ecosystems, and tools for rural development. This book summarizes advances in agroforestry research and practice and raises questions as to the effectiveness of AFS to solve the development and environmental challenges the world presents us today. Currently AFS are considered to

be a land use that can achieve a compromise among productive and environmental functions. Apparently, AFS can play a significant role in rural development even in the most challenging socioeconomic and ecological conditions, but still there is a lot of work to do to reach these goals. Considerable funding is spent in projects directed to enhancing productivity and sustainability of smallholders forestry and agroforestry practices. These projects and programs face many questions and challenges related to the integration of traditional knowledge to promote the most suitable systems for each situation; access to markets for AFS products, and scaling up of successful AFS. These complex questions need innovative approaches from varying perspectives and knowledge bases. This book gathers fresh and novel contributions from a set of Yale University researchers and associates who intend to provide alternative and sometimes departing insights into these pressing questions. The book focuses on the functions that AFS can provide when well designed and implemented: their role in rural development as they can improve food security and sovereignty and contribute to provision of energy needs to the smallholders; and their environmental functions: contribution to biodiversity conservation, to increased connectivity of fragmented landscapes, and adaptation and mitigation of climate change. The chapters present conceptual aspects and case studies ranging from traditional to more modern approaches, from tropical as well as from temperate regions of the world, with examples of the AFS functions mentioned above.

Farm and Community Forestry Gerald Foley 1984

Molecular Approaches in Plant Biology and Environmental Challenges Sudhir P. Singh 2019-10-01 This book discusses molecular approaches in plant as response to environmental factors, such as variations in temperature, water availability, salinity, and metal stress. The book also covers the impact of increasing global population, urbanization, and industrialization on these molecular behaviors. It covers the natural tolerance mechanism which plants adopt to cope with adverse environments, as well as the novel molecular strategies for engineering the plants in human interest. This book will be of interest to researchers working on the impact of the changing environment on plant ecology, issues of crop yield, and nutrient quantity and quality in agricultural crops. The book will be of interest to researchers as well as policy makers in the environmental and agricultural domains.

Global Perspectives on Underutilized Crops Munir Ozturk 2018-05-17 Increase in world population, extreme weather conditions, decrease in fresh water supplies, and changes of dietary habits are major issues that affect global food security. We are expected to face the challenges of land use by 2050 because population will reach 9 billion while agricultural productivity losses are expected due to overuse of lands. How can we feed the next generations in a manner that respects our finite natural resources? Managing our resources in a sustainable way have only begun for selected crops. Much remains to be done to increase food yield. Cropping practices capable of sustainable production need to be elaborated, especially in fragile ecosystems. Typical applications will include the improvement and use of genetic resources; crop management and diversification; diffusion of improved varieties; development of cropping systems; sustainable cropping systems for areas prone to environmental degradation; use of agro-ecological data for crop production forecasting; and networks for regional coordination, and data exchange. The impetus behind this book is to bring attention to a cropping system that bears direct relevance to sustainable agriculture and food security. "Underutilized" crops are found in numerous agricultural ecosystems and often survive mainly in marginal areas. It is timely to review their status because, in recent decades, scientific and economic interests have emerged which focus on lesser-known cultivated species. Underutilized crops have a great potential to alleviate hunger directly, through increasing food production in challenging environments where major crops are severely limited. "Global Perspectives on Underutilized Crops" is therefore topical and highlights the unmet agricultural challenges that we face today. This book is an important resource for students and researchers of crop science and agricultural policy makers.

Gene Therapy in Neurological Disorders Mingjie Li 2018-05-25 Gene therapy has tremendous potential for the treatment of neurological disorders. There has been substantial progress in the development of gene therapy strategies for neurological disorders over the last two decades. Gene Therapy in Neurological Disorders thoroughly reviews currently available gene therapy tools and presents examples of their application in a variety of neurological diseases. The book begins with general reviews of gene therapy strategies with a focus on neurological disorders. The remainder of the chapters present approaches to specific neurological disorders. Each chapter gives an in-depth introduction to the relevant field before diving into the specific tool or application. The book aims to help investigators, students and research staff better understand the principles of gene therapy and its application in the nervous system. Provides background information and experimental details of gene therapy tools applied for neuroscience research and neurological disorders Covers a broad range of gene delivery and regulation tools, therapeutic agents, and target cells, including emerging new technologies such as CRISPR/Cas9 genome editing Discusses applications of gene therapy tools to neurological disorders including neurodegeneration, muscular dystrophy, trauma and chronic pain, and neoplastic diseases

Sustainable Livelihood Systems in Nepal Ambika P. Adhikari 2015

Ecology in Practice Francesco Di Castri 1984

Fruits Grown in Highland Regions of the Himalayas Syed Zameer Hussain 2021-06-15 This book discusses different fruit crops and provides first-hand information on the nutritional composition of commercially important, as well as unexplored fruits, which are grown in Jammu, Kashmir and Ladakh. A detailed nutritional profile of each fruit

is presented in the book. The potential health implications against cardiovascular diseases, diabetes, carcinoma, oxidative damage, asthma, aging and cognition are discussed and explained. Besides, nutritional composition and medicinal implications, origin, morphology, taxonomy and production scenarios of unexplored, as well as commercially important fruits, have also been highlighted in the book. This book will be of interest to students and researchers involved in agricultural sciences, food science, nutrition and the Indian medicine system.