Plants And Society Levetin Free

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Climate Change and Cities - Cynthia Rosenzweig 2018-03-29
The Urban Climate Change Research Network's Second Assessment Report on Climate Change in Cities (ARC3.2) is the second in a series of global, science-based reports to examine climate risk, adaptation, and mitigation efforts in cities. The book explicitly seeks to explore the implications of changing climatic conditions on critical urban physical and social infrastructure sectors and intersectoral concerns. The primary purpose of ARC3.2 is to inform the development and implementation of effective urban climate change policies, leveraging ongoing and planned investments for populations in cities of developing, emerging, and developed countries. This volume, like its predecessor, will be invaluable for a range of audiences involved with climate change and cities: mayors, city officials and policymakers; urban planners; policymakers charged with developing climate change mitigation and adaptation programs; and a broad spectrum of researchers and advanced students in the environmental sciences.
Botany Illustrated - Janice Glimn-Lacy 2012-12-06
This is a discovery book about plants. It is for students In the first section, introduction to plants, there are sev of botany and botanical illustration and everyone inter eral sources for various types of drawings. Hypotheti ested in plants. Here is an opportunity to browse and cal diagrams show cells, organelles, chromosomes, the choose subjects of personal inter. est, to see and learn plant body indicating tissue systems and experiments about plants as they are described. By adding color to with plants, and flower placentation and reproductive the drawings, plant structures become more apparent structures. For example, there is no average or stan and show how they function in life. The color code dard-looking flower; so to clearly show the parts of a clues tell how to color for definition and an illusion of flower (see 27), a diagram shows a stretched out and depth. For more information, the text explains the illus exaggerated version of a pink (Dianthus) flower (see trations. The size of the drawings in relation to the true 87). A basswood (Tifia) flower is the basis for diagrams size of the structures is indicated by X 1 (the same size) of flower types and ovary positions (see 28). Another to X 3000 (enlargement from true size) and X n/n source for drawings is the use of prepared microscope (reduction from true size). slides of actual plant tissues.
Working with Ferns - Helena Fernández 2010-11-11
This well timed volume features a selection of chapters composed by experts in their respective fields. It covers a broad range of topics, from its fundamental biology to the fern’s population genetics and environmental and therapeutic applications.
Indoor Air Quality - Kathleen Hess-Kosa 2018-12-12
Indoor Air Quality: The Latest Sampling and Analytical Methods, Third Edition is a practical, user-friendly guide to the identification and assessment of the indoor air contaminants that contribute to building-related illness in commercial buildings, institutions, and residences. It covers the basic concepts of indoor air quality assessment, including its historic evolution. The book describes the most common substances encountered in an indoor air quality investigation, their health effects, and their occurrence in the environment. Drawing from the author’s experience, observations, and extensive research, this easy-to-read guide provides readers with a working knowledge of the latest approaches to sampling protocols and cutting-edge trends as well as suggested sampling strategies, helpful experience related tips, and a means for interpreting results. Additionally, in the later part of the book, there is considerable discussion of failure modes of building materials and systems—sources of many indoor air quality problems! This third edition details up-to-date strategies and analytical methods and addresses some of the more recent, as well as less common, concerns on indoor air pollutants. All chapters in the third edition have been updated to adhere to the more recent developments in indoor air quality. Also a new chapter on the illusive data and sampling approaches on ozone has been added. New in the Third Edition Revised and updated standards and guidelines Updated U.S. EPA NAAQS Updated LEEDv4 Standard Updated ANSI/ASHRAE Standard 189.1 Latest approaches to sampling and analytical methods Expanded discussion on controversial inhalable airborne particulate sampling methods Updated and expanded tables and data Updated and expanded figures and schematics Inclusion of a new chapter on ozone
Economic Botany - Pandey B.P. 1999
For The Students of B.Sc. , M.Sc. and Competitive Examinations
Australian Medicinal Plants - Eric V. Lassak 2001
An invaluable resource for all those interested in herbal medicine, Aboriginal culture and Australian flora. Australia's varied flora provided Aborigines with their medicines for thousands of years. In this book hundreds of species are described and their uses as painkillers, antiseptics, etc are explained.
Fundamentals of mold growth in indoor environments and strategies for healthy living - Olaf C.G. Adan 2011-09-18
Today, indoor mold and moisture, and their associated health effects, are a society-wide problem. The economic consequences of indoor mold and moisture are enormous. Their global dimension has been emphasized in several recent international publications, stressing that the most important means for avoiding adverse health effects is the prevention (or minimization) of persistent dampness and microbial growth on interior surfaces and in building structures. This book aims to describe the fundamentals of indoor mold growth as a prerequisite to tackle mold growth in the existing building stock as well as in future energy efficient buildings. It brings together different disciplinary points of view on indoor mold, ranging from physics and material science to microbiology and health sciences. The contents have been outlined according to three main issues: Fundamentals, particularly addressing the crucial roles of water and materials, Health, including a state-of-the-art description of the health-related effects of indoor molds, and Strategies, integrating remediation, prevention and policies.
Essential Plant Pathology - Gail Lynn Schumann 2010
Provides an explanation of how plant diseases are diagnosed, the 'plant disease triangle', how to determine the cause of a specific disease, what 'biotrophs' and necrotrophs are, disease cycles and how they can be utilized. Specific chapters address plant diseases caused by fungi, bacteria, nematodes, viruses, parasitic flowering plants, abiotic factors of the environment including light, temperature, and atmospheric gases, pathogens, how people influence plant disease epidemics, the prevention or management of plant disease epidemics, and more.
An Introduction to Plant Structure and Development - Charles B. Beck 2010-04-22
A plant anatomy textbook unlike any other on the market today. Carol A. Peterson described the first edition as 'the best book on the subject of plant anatomy since the texts of Esau'. Traditional plant anatomy texts include primarily descriptive aspects of structure, this book not only provides a comprehensive coverage of plant structure, but also introduces aspects of the mechanisms of development, especially the genetic and hormonal controls, and the roles of plasmodesmata and the cytoskeleton. The evolution of plant structure and the relationship between structure and function are also discussed throughout. Includes extensive bibliographies at the end of each chapter. It provides students with an introduction to many of the exciting, contemporary areas at the forefront of research in the development of plant structure and prepares them for future roles in teaching and research in plant anatomy.
Introduction to Agronomy: Food, Crops, and Environment - Craig C. Sheaffer 2012-08-08
This full-color introduction to agronomy and crop science offers both traditional agricultural students and students with nonagricultural

backgrounds a timely look at the principles of crop science, sustainable agriculture, and a host of related societal issues. A must-read text for anyone interested in what are arguably the most profoundly important issues of our time, INTRODUCTION TO AGRONOMY, second edition addresses the basics of safe and sustainable food and fiber production as well as big picture topics such as energy, ecology, and environmental quality. Throughout the text, readers will find information and illustrations on the latest agricultural methods, regulations, and practices--and how each is impacting our society and each individual within it. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Functional Food - María Chávarri Hueda 2017-08-02

In recent years, the concern of society about how food influences the health status of people has increased. Consumers are increasingly aware that food can prevent the development of certain diseases, so in recent years, the food industry is developing new, healthier products taking into account aspects such as trans fats, lower caloric intake, less salt, etc. However, there are bioactive compounds that can improve the beneficial effect of these foods and go beyond the nutritional value. This book provides information on impact of bioactive ingredients (vitamins, antioxidants, compounds of the pulses, etc.) on nutrition through food, how functional foods can prevent disease, and tools to evaluate the effects of bioactive ingredients, functional foods, and diet.

Biology of Microfungi - De-Wei Li 2016-03-18

This reference book includes 24 chapters written by a group of experts in the different fields of microfungi and cover a broad range of topics on microfungi. It provides the most updated information on the latest development in systematics and taxonomy of microfungi, new techniques which were developed in the last ten years and their application in microfungal research. After the International Code of Nomenclature for algae, fungi, and plants (Melbourne Code) was adopted by the Eighteenth International Botanical Congress Melbourne, Australia, July 2011, it has had a profound impact on mycology and its research. Fungal nomenclature changes and its significance to fungal taxonomy and naming of microfungi in the future is discussed in detail. Since dual names system for fungi developing both sexual and asexual states, and fungi developing only asexual state is no longer available, the first five chapters will clarify some confusion and provides perspective views on the direction for future research. The next nine chapters cover microfungi and their ecological roles or functions in the different habitats (air, indoor, aquatic, marine, plants, soils, etc). The remaining 13 chapters cover the relationship of microfungi and humans (good and bad) and usage or application microfungi in different industries, such as food, agriculture, forestry, green technology, pharmaceutics, and medicine, as well as in our daily life. The book bridges the gap between basic mycological research and applied mycology and provide readers a unique set of information and knowledge of microfungi generated from multiple angles in different fields of mycology.

Ecological Management of Pine Forests - 2019-01-24

Natural pine forests characterize many landscapes preserved over time, either as a result of a specific forest management practice or a disturbance. In the event of a lack of management over a long period of time, these formations could evolve with increasingly chaotic structures towards other formations. This process can lead to landscape change, the spread of insects and pathogens, and the risk of fires and watercourse obstruction. Pine forest plantations should be considered as transient tree populations, destined to evolve into more complex and stable formations. However, sometimes they should be preserved for their cultural value. Careful management of these forests also takes into account the close relationship between forest and human settlements. As a first step, ecological management assumes the definition of these two macro types. These approaches include the application of integrated methods for determining the reference conditions of the main functional and structural ecosystem components of forests. The reference conditions are the historical (or natural) variability range of ecological structures and processes, reflecting the recent evolution and dynamic interaction of biotic and abiotic conditions and patterns of disturbance. These conditions form the basis for comparison with contemporary ecosystem processes and structures and are a frame of reference for designing ecological restoration treatments and conservation plans. The productive aspects must not be overlooked; rather, they have to be considered, planned, and managed with a perspective of sustainability and ecosystem functionality. This should be considered for a common approach to forest management, for a forest rehabilitation, and for forest restoration activities.

Ebook: Plants and Society - Estelle Levetin 2014-10-16

This introductory, one quarter/one-semester text takes a multidisciplinary approach to studying the relationship between plants and people. The authors strive to stimulate interest in plant science and encourage students to further their studies in botany. Also, by exposing students to society's historical connection to plants, Levetin and McMahon hope to instill a greater appreciation for the botanical world. Plants and Society covers basic principles of botany with strong emphasis on the economic aspects and social implications of plants and fungi.

Nature Helps... - Heinz Mehlhorn 2011-06-15

Nature helps... of course at first itself by developing measures that give bacteria, fungi, plants and animals a chance to be successful in their struggle for life. As a latecomer on Earth, Homo sapiens was gifted with some droplets of the divine spirit of recognition and thus became able to observe, to analyse and recombine skills of other living beings and to use them for his overwhelming career over the last 10,000 years. Of course fungi, plants, animals and even bacteria were primarily used by mankind as food or as lifestyle products such as beer, but soon it became clear that there was much more potential hidden in these organisms and that they could be used for other purposes, too. Extracts of plants and fungi were recognized as powerful remedies, as medicines, as insecticides or acarizides, as repellents against parasites or even as weapons, e.g. when poisonous compounds from frogs or plants were applied to arrowheads. Over the last 110 years the pharmaceutical industry has often simulated nature by analyzing complex organic substances taken from living organisms and then producing by synthesis absolutely pure compounds, which mostly consisted of only one single active substance. These products had the advantage of acting against precisely one target and thus produced fewer possible side effects than the complex plant extracts. However, the more serious side effect was that disease agents could develop resistances to pure medicinal products much more easily. Thus after 70 years of excellent prospects for chemotherapy, some dark clouds appeared and quickly gathered, so that several therapeutic remedies now no longer work. Therefore in many countries - especially in those where the pure chemotherapeutics are too expensive for the poor population - the cry “back to nature” is becoming louder and louder. This has led to an enormous increase of studies that again use natural extracts as remedies in the fight against diseases. The present book summarizes examples of promising aspects in a broad spectrum of applications and shows how extracts derived from bacteria, marine organisms, plants or even animals may help to treat infectious diseases, how such organisms may keep away parasites and pests from the bodies of plants or animals, including humans, and how they can be used directly to aid in diagnosis, promote wound healing and even to help catch criminals. These 15 chapters offer not only basic research on these different fields, but also show how useful and effective products can be developed from research.

Biodiversity and Human Health - Francesca Grifo 1997-02

Biodiversity and Human Health brings together leading thinkers on the global environment and biomedicine to explore the human health consequences of the loss of biological diversity.

Climate Change, the Indoor Environment, and Health - Institute of Medicine 2011-10-01

The indoor environment affects occupants' health and comfort. Poor environmental conditions and indoor contaminants are estimated to cost the U.S. economy tens of billions of dollars a year in exacerbation of illnesses like asthma, allergic symptoms, and subsequent lost productivity. Climate change has the potential to affect the indoor environment because conditions inside buildings are influenced by conditions outside them. Climate Change, the Indoor Environment, and Health addresses the impacts that climate change may have on the indoor environment and the resulting health effects. It finds that steps taken to mitigate climate change may cause or exacerbate harmful indoor environmental conditions. The book discusses the role the Environmental Protection Agency (EPA) should take in informing the public, health professionals, and those in the building industry about potential risks and what can be done to address them. The study also recommends that building codes account for climate change projections; that federal agencies join to develop or refine protocols and testing standards for evaluating emissions from materials, furnishings, and appliances used in buildings; and that building weatherization efforts include consideration of health effects. Climate Change, the Indoor Environment, and Health is written primarily for the EPA and other federal agencies, organizations, and researchers with interests in public

health; the environment; building design, construction, and operation; and climate issues.

Earth Observation Open Science and Innovation - Pierre-Philippe Mathieu 2018-01-23

This book is published open access under a CC BY 4.0 license. Over the past decades, rapid developments in digital and sensing technologies, such as the Cloud, Web and Internet of Things, have dramatically changed the way we live and work. The digital transformation is revolutionizing our ability to monitor our planet and transforming the way we access, process and exploit Earth Observation data from satellites. This book reviews these megatrends and their implications for the Earth Observation community as well as the wider data economy. It provides insight into new paradigms of Open Science and Innovation applied to space data, which are characterized by openness, access to large volume of complex data, wide availability of new community tools, new techniques for big data analytics such as Artificial Intelligence, unprecedented level of computing power, and new types of collaboration among researchers, innovators, entrepreneurs and citizen scientists. In addition, this book aims to provide readers with some reflections on the future of Earth Observation, highlighting through a series of use cases not just the new opportunities created by the New Space revolution, but also the new challenges that must be addressed in order to make the most of the large volume of complex and diverse data delivered by the new generation of satellites.

Healing Herbal Teas - Brigitte Mars 2009-04-10

In Healing Herbal Teas, you'll find profiles of forty-five common herbs with extraordinary therapeutic potential, along with advice on obtaining, storing, and brewing teas from them. Have a specific health concern you'd like to address? Author Brigitte Mars offers more than 100 simple formulas for a vast range of health concerns, from relieving allergy symptoms to clearing up the skin to nourishing a growing baby in utero. Want to customize your own herbal blends? Mars, who is often applauded for her ability to bring together the wisdom of disparate healing traditions, shows you how, offering basic guidelines as well as theories from different cultures and eras. And, as Mars explains, teas are not just for sipping! For treating everything from wounds and rashes to sore muscles, colds and flu, and dandruff, try topical applications of tea.

Recognition, Evaluation, and Control of Indoor Mold - Bradley Prezant 2008

The Desktop Guide to Herbal Medicine - Brigitte Mars 2009-08-31

The Desktop Guide to Herbal Medicine If you're interested in the amazing power of herbs, whether you're a novice or an experienced practitioner, this is the ultimate reference for your collection. Herbal medicine is the most time-tested healing tradition in the world, having evolved over hundreds of thousands of years in disparate regions and diverse cultures. In The Desktop Guide to Herbal Medicine, renowned herbalist Brigitte Mars draws from healing traditions around the world to offer a concise, comprehensive, eclectic guide to the vast array of medicinal herbs commonly available in North America. You'll find detailed monographs of more than 180 herbs, from the commonplace tea and raspberry to the weedy dandelion and goldenrod to the more exotic ho shou wu and zedoary. Each monograph gives a broad range of information about the herb, from its physiological effects and constituents to its energetics, historical and current medicinal uses, edible properties, and natural range - all in a quick-study format that allows you to access the information you need swiftly and simply. When we welcome herbs into our lives and learn to use them safely, effectively, and confidently, we empower ourselves to take charge of our own health. This one-stop reference is an invaluable companion in that pursuit: the study, prescription, and use of herbs to achieve vibrant health, mitigate illness, and correct physiological imbalances. As she does in her many other books, Mars writes with the goal of guiding readers toward the safe and effective use of plants as healing and preventive medicine. Her forthright tone, pragmatic advice, and gentle humor shine here, inviting readers to use The Desktop Guide to Herbal Medicine as both a study aid and a wide-ranging exploration of the plant realm.

Proteomic Applications in Biology - Joshua Heazlewood 2012-01-18

The past decade has seen the field of proteomics expand from a highly technical endeavor to a widely utilized technique. The objective of this book is to highlight the ways in which proteomics is currently being employed to address issues in the biological sciences. Although there have been significant advances in techniques involving the utilization of proteomics in biology, fundamental approaches involving basic sample visualization and protein identification still represent the principle techniques used by the vast majority of researchers to solve problems in biology. The work presented in this book extends from overviews of proteomics in specific biological subject areas to novel studies that have employed a proteomics-based approach. Collectively they demonstrate the power of established and developing proteomic techniques to characterize complex biological systems.

Plants and Society - Estelle Levetin 2016-04-01

Microbiomes of the Built Environment - National Academies of Sciences, Engineering, and Medicine 2017-10-06

People's desire to understand the environments in which they live is a natural one. People spend most of their time in spaces and structures designed, built, and managed by humans, and it is estimated that people in developed countries now spend 90 percent of their lives indoors. As people move from homes to workplaces, traveling in cars and on transit systems, microorganisms are continually with and around them. The human-associated microbes that are shed, along with the human behaviors that affect their transport and removal, make significant contributions to the diversity of the indoor microbiome. The characteristics of "healthy" indoor environments cannot yet be defined, nor do microbial, clinical, and building researchers yet understand how to modify features of indoor environmentsâ€"such as building ventilation systems and the chemistry of building materialsâ€"in ways that would have predictable impacts on microbial communities to promote health and prevent disease. The factors that affect the environments within buildings, the ways in which building characteristics influence the composition and function of indoor microbial communities, and the ways in which these microbial communities relate to human health and well-being are extraordinarily complex and can be explored only as a dynamic, interconnected ecosystem by engaging the fields of microbial biology and ecology, chemistry, building science, and human physiology. This report reviews what is known about the intersection of these disciplines, and how new tools may facilitate advances in understanding the ecosystem of built environments, indoor microbiomes, and effects on human health and well-being. It offers a research agenda to generate the information needed so that stakeholders with an interest in understanding the impacts of built environments will be able to make more informed decisions.

Plants & Society - Estelle Levetin 2020

Laboratory Manual for Applied Botany - Karen McMahon 2001-07-16

Science education is experiencing a revitalization, as it is recognized that science should be accessible to everyone, not just society’s future scientists. One way to make the study of science more substantive to the non-major is to require a laboratory component for all science courses. The subject of applied botany with its emphasis on the practical aspects of plant science, the authors believe, will be appealing to the non-major as it exemplifies how a basic science can be applied to problem solving. Laboratory Manual for Applied Botany will make students realize that the study of plants is relevant to their lives and that they can participate in the discovery process of science. Although the manual includes much of the basic plant anatomy found in standard botany manuals, it differs in taking a practical approach, examining those plants and plant products that have sustained or affected human society.

Introduction to Fungi - John Webster 1980-06-19

"This new edition of the universally acclaimed and widely used textbook on fungal biology has been completely rewritten, drawing directly on the authors' research and teaching experience. The text takes account of the rapid and exciting progress that has been made in the taxonomy, cell and molecular biology, biochemistry, pathology and ecology of the fungi. Features of taxonomic significance are integrated with natural functions, including their relevance to human affairs."--BOOK JACKET.

Successful Aging - Daniel J. Levitin 2020-01-07

INSTANT TOP 10 BESTSELLER *New York Times *USAToday *Washington Post *LA Times "Debunks the idea that aging inevitably brings infirmity and unhappiness and instead offers a trove of practical, evidence-based guidance for living longer and better." —Daniel H. Pink, author of When and Drive SUCCESSFUL AGING delivers powerful insights: • Debunking the myth that memory always declines with age • Confirming that "health span"—not "life span"—is what matters • Proving that sixty-plus years is a unique and newly recognized developmental stage • Recommending that people look forward to joy, as reminiscing doesn't promote health Levitin looks at the science behind what we all can learn from those who age joyously, as well as how to adapt our culture to take full advantage of older people's wisdom and experience.

Throughout his exploration of what aging really means, using research from developmental neuroscience and the psychology of individual differences, Levitin reveals resilience strategies and practical, cognitive enhancing tricks everyone should do as they age. Successful Aging inspires a powerful new approach to how readers think about our final decades, and it will revolutionize the way we plan for old age as individuals, family members, and citizens within a society where the average life expectancy continues to rise.

Photo Atlas for Botany - James W. Perry 1998

Written by James Perry and David Morton, the full-color atlas includes photos of botanical specimens, utilizing light, transmission, and electron microscopy. It also contains macro photography of whole specimens, microscope parts and techniques, and biological tests commonly used in the laboratory.

An American Anarchist - Paul Avrich 2018-05-08

“An American Anarchist closes a major gap in our understanding of American an- archism and particularly a gap in our understanding of its deep roots in American radicalism. It makes the same contribution to our understanding of American feminism.” —Richard Drinnon, author of Rebel in Paradise: A Biography of Emma Goldman "Paul Avrich's book is very well researched—it fascinated me as I am sure it will fascinate many other people who are interested in the anarchist personality." —George Woodcock An American Anarchist marked the trail historians of American anarchism are still following today: above all else, to understand anarchists as human beings. Narrative-driven like all of Paul Avrich’s works, this story highlights famous characters like Emma Goldman and Alexander Berkman and the infamous, like Dyer D. Lum—Voltairine de Cleyre’s lover and the man who sneaked a dynamite cartridge into Louis Lingg’s cell so the accused Haymarket Martyr could die at his own hand and not the state’s. De Cleyre (1866–1912), born in Michigan, is noted as the first prominent American-born anarchist. From her voluminous writings and speeches, the illnesses that plagued her, the shooting on a streetcar in Philadelphia that left de Cleyre clinging for life, to her eventual death at forty- five in Chicago, she worked tirelessly for her ideal.

The Cumulative Book Index - 1999

Botany - James D. Mauseth 2016-07-06

The Sixth Edition of Botany: An Introduction to Plant Biology provides a modern and comprehensive overview of the fundamentals of botany while retaining the important focus of natural selection, analysis of botanical phenomena, and diversity.

Loose Leaf for Levetin Plants and Society - Karen McMahon 2019-04-09

This introductory, one quarter/one-semester text takes a multidisciplinary approach to studying the relationship between plants and people. The authors strive to stimulate interest in plant science and encourage students to further their studies in botany. Also, by exposing students to society's historical connection to plants, Levetin and McMahon hope to instill a greater appreciation for the botanical world. Plants and Society covers basic principles of botany with strong emphasis on the economic aspects and social implications of plants and fungi.

Fiber Plants - K.G. Ramawat 2016-10-27

This book assesses the potential effects of biotechnological approaches, particularly genetic modification, on the present state of fiber crop cultivation and sustainable production. Leading international researchers discuss and explain how biotechnology can affect and solve problems in connection with fiber crops. The topics covered include biology, biotechnology, genomics and applications of fiber crops like cotton, flax, jute and bamboo. Providing complete, comprehensive and broad subject-based reviews, the book offers a valuable resource for students, teachers, and researchers including agriculturists, biotechnologists and botanists, as well as industrialists and government agencies involved in the planning of fiber crop cultivation.

Clinical Practice of Medical Mycology in Asia - Arunaloke Chakrabarti 2019-11-16

This book discusses the unique epidemiology of fungal infections in Asia, illustrating that the situation in these countries is different from that in Western countries in terms of the causative species, natural history and management strategies. Asia, the world’s largest continent and home to more than half the global population, has conditions that favor the growth of many fungi, including a number of unique species. Further, socio-economic conditions such as overcrowding, compromised health care facilities and lack of awareness add to the morbidity and mortality due to fungal diseases in this part of the world. Since the majority of Asian countries do not have good diagnostic mycology laboratories, antifungal management is often based on experience. The limited data from Asian countries suggest a very high incidence of fungal infections. This book addresses epidemiology of fungal infections in general and specific populations of Asia, fungal allergy, and diagnosis and management in resource-limited environments. The book is must read for busy clinicians, microbiologists and critical care providers.

Laboratory Protocols in Fungal Biology - Vijai Kumar Gupta 2012-12-09

Laboratory Protocols in Fungal Biology presents the latest techniques in fungal biology. This book analyzes information derived through real experiments, and focuses on cutting edge techniques in the field. The book comprises 57 chapters contributed from internationally recognised scientists and researchers. Experts in the field have provided up-to-date protocols covering a range of frequently used methods in fungal biology. Almost all important methods available in the area of fungal biology viz. taxonomic keys in fungi; histopathological and microscopy techniques; proteomics methods; genomics methods; industrial applications and related techniques; and bioinformatics tools in fungi are covered and complied in one book. Chapters include introductions to their respective topics, list of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and notes on troubleshooting. Each chapter is self-contained and written in a style that enables the reader to progress from elementary concepts to advanced research techniques. Laboratory Protocols in Fungal Biology is a valuable tool for both beginner research workers and experienced professionals. Coming Soon in the Fungal Biology series: Goyal, Manoharachary / Future Challenges in Crop Protection Against Fungal Pathogens Martín, García-Estrada, Zeilinger / Biosynthesis and Molecular Genetics of Fungal Secondary Metabolites Zeilinger, Martín, García-Estrada / Biosynthesis and Molecular Genetics of Fungal Secondary Metabolites, Volume 2 van den Berg, Maruthachalam / Genetic Transformation Systems in Fungi Schmoll, Dattenbock / Gene Expression Systems in Fungi Dahms / Advanced Microscopy in Mycology

Economic Botany - Beryl Brintnall Simpson 1995

Emphasis on U.S. & Western world.

Plants and Society - Karen McMahon 2011-01-31

This introductory, one quarter/one-semester text takes a multidisciplinary approach to studying the relationship between plants and people. The authors strive to stimulate interest in plant science and encourage students to further their studies in botany. Also, by exposing students to society's historical connection to plants, Levetin and McMahon hope to instill a greater appreciation for the botanical world. Plants and Society covers basic principles of botany with strong emphasis on the economic aspects and social implications of plants and fungi.

Plants and Society - Estelle Levetin 1999

This introductory text focuses on how humans interact with plants. The topics covered include: botanical principles; commercial products derived from plants; plants and human health; fungi; and plants and the environment.

Plant Diversity - Andrew Hipp 2007

This book surveys the world's green plant diversity, from green algae through flowering plants, in a taxonomic and evolutionary context.