

Shibu George Ent

Final Edge Towards Ubiquitous Low-power Image Processing Platforms Crossing Empire's Edge Vanilla Landscapes Autophagy Medicinal Plants and Fungi: Recent Advances in Research and Development CNS Infections Intelligent Distributed Computing XIII Drug Interactions in Infectious Diseases Synthetic Seeds Mountain, Water, Rock, God Smart Study Series - ENT Strategies for Learning Molecular Feminisms Japanese Demon Lore Smart Study Series - Ent E-Book Basic Concepts in Head & Neck Surgery and Oncology Prospects in Bioscience: Addressing the Issues SURGERY SIXER FOR NB Diseases of Ear, Nose and Throat, 6/e Placing Empire Singapore in Global History Basho and the Dao Cyanobacterial Harmful Algal Blooms: State of the Science and Research Needs Sss-Otorhinolaryngology And Head & Neck Surgery Microbial Applications Vol.2 The Thumb Advances in Nature-Inspired Computing and Applications Agroforestry - The Future of Global Land Use World Philology Tracing Manuscripts in Time and Space through Paratexts Ecological Basis of Agroforestry Reviews on Biomarker Studies in Aging and Anti-Aging Research Kabuki's Forgotten War The Carbon Farming Solution The Birth of the Japanese Labor Movement On Their Own Terms Becoming One The Conservation of Artifacts Made from Plant Materials The Sorghum Genome

Final Edge

This volume contains a solid body of the current state of knowledge on the various themes and activities in agroforestry worldwide. It is organized into three sections: the Introduction section consists of the summaries of six keynote speeches at the 2nd World Congress of Agroforestry held in Nairobi, Kenya, in 2009; that is followed by two sections of peer-reviewed thematic chapters grouped as "Global Perspectives" (seven chapters) and "Regional Perspectives" (eleven chapters), authored by professional leaders in their respective agroforestry-related fields worldwide. A total of 130 professionals from institutions in 33 countries in both developing and the industrialized temperate regions of the world contributed to the book as chapter authors and/or reviewers. Thus, the book presents a comprehensive and authoritative account of the global picture of agroforestry today.

Towards Ubiquitous Low-power Image Processing Platforms

This important overview explores the connections between Singapore's past with historical developments worldwide until present day. The contributors analyse Singapore as a city-state seeking to provide an interdisciplinary perspective to the study of the global dimensions contributing to Singapore's growth. The book's global perspective demonstrates that many of the discussions of Singapore as a city-state have relevance and implications beyond Singapore to include Southeast Asia and the world. This vital volume should not be missed by economists, as well as those interested in imperial history.

Crossing Empire's Edge

International development programs strive not only to alleviate poverty but to

transform people, aid workers and recipients alike. *Becoming One* grapples with this process by exploring the work of OISCA*, a prominent Japanese NGO in central Myanmar. OISCA's postwar origins at the intersection of Shinto, secularism, and rightwing politics, and its vision of inter-Asian solidarity and a sustainable future helped shape the organization's ideology and activities. By delving into the world of its aid workers—their everyday practices, discourses, and aspirations—author Chika Watanabe seeks to understand the NGO's political, social, and ethical effects. At OISCA training centers, Japanese and local staff teach sustainable agricultural skills and organic farming methods to rural youth. Much of the teaching involves laboring in the fields, harvesting produce, and caring for livestock: what they can't use themselves is sold at nearby markets. Watanabe's detailed and multi-sited ethnography shows how Japanese and Burmese actors mobilize around the idea of "becoming one" with Mother Earth and their human counterparts within a shared communal lifestyle. By exploring the tension between intentions and political effects—spanning environmentalism, cultural-nationalist ideologies of "Japaneseness," and aspirations to make the world a better place—Watanabe highlights fascinating questions and both positive and negative outcomes. *Becoming One* weaves together vivid descriptions of the intensive, intimate, and "muddy labor" of "making persons" (*hitozukuri*) with the wider historical resonances of these efforts, decentering common understandings of development, NGOs, and their moral and political promises. This engaging and thought-provoking book combines insights from anthropology, development studies, and religious studies to add to our understanding of modern Japan.

*Organization for Industrial, Spiritual and Cultural Advancement

Vanilla Landscapes

A free ebook version of this title is available through Luminos, University of California Press's Open Access publishing program. Visit www.luminosoa.org to learn more. In *Mountain, Water, Rock, God*, Luke Whitmore situates the disastrous flooding that fell on the Hindu Himalayan shrine of Kedarnath in 2013 within a broader religious and ecological context. Whitmore explores the longer story of this powerful realm of the Hindu god Shiva through a holistic theoretical perspective that integrates phenomenological and systems-based approaches to the study of religion, pilgrimage, place, and ecology. He argues that close attention to places of religious significance offers a model for thinking through connections between ritual, narrative, climate destabilization, tourism, development, and disaster, and he shows how these critical components of human life in the twenty-first century intersect in the human experience of place.

Autophagy

This contributed volume provides insights into multiple applications using microbes to promote productivity in agriculture, to produce biochemicals or to respond to challenges in biomedicine. It highlights the microbial production of nanocompounds with medical functionality alongside new anti-mycobacterial strategies, and introduces plant-growth-promoting Rhizobacteria as well as the correlation between biofilm formation and crop productivity. Further, the authors illustrate the green synthesis of biochemical compounds, such as hydroxamid acid or biosurfactants, using microbial and fungal enzymes. It inspires young

researchers and experienced scientists in the field of microbiology to explore the combined use of green, white and red biotechnology for industrial purposes, which will be one of the central topics for future generations.

Medicinal Plants and Fungi: Recent Advances in Research and Development

For more than half a century, the Japanese Ministry of Foreign Affairs (Gaimusho) possessed an independent police force that operated within the space of Japan's informal empire on the Asian continent. Charged with "protecting and controlling" local Japanese communities first in Korea and later in China, these consular police played a critical role in facilitating Japanese imperial expansion during the late nineteenth and twentieth centuries. Remarkably, however, this police force remains largely unknown. *Crossing Empire's Edge* is the first book in English to reveal its complex history. Based on extensive analysis of both archival and recently published Japanese sources, Erik Esselstrom describes how the Gaimusho police became deeply involved in the surveillance and suppression of the Korean independence movement in exile throughout Chinese treaty ports and the Manchurian frontier during the 1920s and 1930s. It had in fact evolved over the years from a relatively benign public security organization into a full-fledged political intelligence apparatus devoted to apprehending purveyors of "dangerous thought" throughout the empire. Furthermore, the history of consular police operations indicates that ideological crime was a borderless security problem; Gaimusho police worked closely with colonial and metropolitan Japanese police forces to target Chinese, Korean, and Japanese suspects alike from Shanghai to Seoul to Tokyo. Esselstrom thus offers a nuanced interpretation of Japanese expansionism by highlighting the transnational links between consular, colonial, and metropolitan policing of subversive political movements during the prewar and wartime eras. In addition, by illuminating the fervor with which consular police often pressed for unilateral solutions to Japan's political security crises on the continent, he challenges orthodox understandings of the relationship between civil and military institutions within the imperial Japanese state. While historians often still depict the Gaimusho as an inhibitor of unilateral military expansionism during the first half of the twentieth century, Esselstrom's exposé on the activities and ideology of the consular police dramatically challenges this narrative. Revealing a far greater complexity of motivation behind the Japanese colonial mission, *Crossing Empire's Edge* boldly illustrates how the imperial Japanese state viewed political security at home as inextricably connected to political security abroad from as early as 1919—nearly a decade before overt military aggression began—and approaches northeast Asia as a region of intricate and dynamic social, economic, and political forces. In doing so, *Crossing Empire's Edge* inspires new ways of thinking about both modern Japanese history and the modern history of Japan in East Asia.

CNS Infections

This book provides insights into the current state of sorghum genomics. It particularly focuses on the tools and strategies employed in genome sequencing and analysis, public and private genomic resources and how all this information is

leading to direct outcomes for plant breeders. The advent of affordable whole genome sequencing in combination with existing cereal functional genomics data has enabled the leveraging of the significant novel diversity available in sorghum, the genome of which was fully sequenced in 2009, providing an unmatched resource for the genetic improvement of sorghum and other grass species. Cultivated grain sorghum is a food and feed cereal crop adapted to hot and dry climates, and is a staple for 500 million of the world's poorest people. Globally, sorghum is also an important source of animal feed and forage, an emerging biofuel crop and model for C4 grasses, particularly genetically complex sugarcane.

Intelligent Distributed Computing XIII

This book highlights the latest international research on different aspects of medicinal plants and fungi. Studies over the last decade have demonstrated that bioactive compounds isolated from medicinal fungi have promising antitumor, cardiovascular, immunomodulatory, anti-allergic, anti-diabetic, and hepatoprotective properties. In the light of these studies, the book includes chapters (mostly review articles) by eminent researchers from twelve countries across the globe working in different disciplines of medicinal plants and fungi. It discusses topics such as the prevention of major neurodegenerative and neurotoxic mechanisms by *Centella asiatica*; the medicinal properties and therapeutic applications of several mushrooms species found in different parts of the world; and fungal endophytes as a source of bioactive metabolites including anticancer and cardioprotective agents. There are also chapters on strategies for identifying bioactive secondary metabolites of fungal origin; the use of genomic information to explore the biotechnological potential of medicinal mushrooms; and solid state fermentation of agro-industrial and forestry residues for the production of medicinal mushrooms. It is a valuable resource for the researchers, professionals and students working in the area of medicinal plants and fungi.

Drug Interactions in Infectious Diseases

Philology—the discipline of making sense of texts—is enjoying a renaissance within academia. World Philology charts the evolution of philology across the many cultures and time periods in which it has been practiced and demonstrates how this branch of knowledge, like philosophy and mathematics, is essential to human understanding.

Synthetic Seeds

The book entitled “Prospects in Bioscience: Addressing the issues” is a collection of selected research papers presented at the International Conference on Advances in Biological Sciences (ICABS) organized by the Department of Biotechnology and Microbiology and the Inter University Centre for Bioscience, Kannur University, Kerala, India. ICABS witnessed a unique spectrum of Scientific Programmes on the most recent and exciting developments in modern biology. The conference displayed the numerous breakthroughs and significant developments in the important areas of modern biology and their relevance to the welfare of global society. The Book contains 50 well written chapters, each one discussing

scientifically organized findings of original research work done in reputed laboratories. Needless to say, they deal with advances in various disciplines of modern biology including Cell and Molecular Biology, Structural Biology, Industrial and Environmental Biotechnology, Food and Agricultural Biotechnology and Medical Biotechnology. As the title rightly indicates, the chapters project the prospects in the respective areas and the issues in them. Specific issues discussed in the book includes development of transgenic plants, bioremediation of toxic industrial effluents, biotransformation for novel antibiotics, biofertilizer development, molecular drug designing and structure elucidation, molecular identification of pathogens, production of anti microbials, biocontrol agents and bioactive molecules, cancer biology, plant breeding and hybrid seed production etc. The book with its contents spreading across the vast arena of modern biology is expected to cater to the need of researchers, technologists and students.

Mountain, Water, Rock, God

The Immensely popular SSS-ENT and Head& Neck Surgery is back in the ALL NEW, REVISED 3rd Edition. Thorough review and revamp of all chapters makes it CURRENT, CONCISE & COMPLETE. The hugely appreciated basic theme, easy to learn 'Question- Answer format' maintained throughout by the author with his proven stamp of perfection and finesse; allows broader scope of use among students and residents. The Immensely popular SSS-ENT and Head& Neck Surgery is back in the ALL NEW, REVISED 3rd Edition. Thorough review and revamp of all chapters makes it CURRENT, CONCISE & COMPLETE. The hugely appreciated basic theme, easy to learn 'Question- Answer format' maintained throughout by the author with his proven stamp of perfection and finesse; allows broader scope of use among students and residents. Comprehensive coverage of the Subject, Subspecialties & Allied specialties in all its diversities, brilliantly linked to topics of PGMEET questions for past 30 years, updated up to 2015. Brevity and clarity allows A-Z revision of the subject irrespective of the pattern of examination; this perennial best seller should be the unequivocal choice and 'must read' for any PGMEET preparation.

Smart Study Series - ENT

Oni, ubiquitous supernatural figures in Japanese literature, lore, art, and religion, usually appear as demons or ogres. Characteristically threatening, monstrous creatures with ugly features and fearful habits, including cannibalism, they also can be harbingers of prosperity, beautiful and sexual, and especially in modern contexts, even cute and lovable. There has been much ambiguity in their character and identity over their long history. Usually male, their female manifestations convey distinctively gendered social and cultural meanings. Oni appear frequently in various arts and media, from Noh theater and picture scrolls to modern fiction and political propaganda, They remain common figures in popular Japanese anime, manga, and film and are becoming embedded in American and international popular culture through such media. Noriko Reider's book is the first in English devoted to oni. Reider fully examines their cultural history, multifaceted roles, and complex significance as "others" to the Japanese.

Strategies for Learning

With carbon farming, agriculture ceases to be part of the climate problem and becomes a critical part of the solution. Agriculture is rightly blamed as a major culprit of our climate crisis. But in this groundbreaking new book, Eric Toensmeier argues that agriculture—specifically, the subset of practices known as “carbon farming”—can, and should be, a linchpin of a global climate solutions platform. Carbon farming is a suite of agricultural practices and crops that sequester carbon in the soil and in aboveground biomass. Combined with a massive reduction in fossil fuel emissions—and in concert with adaptation strategies to our changing environment—carbon farming has the potential to bring us back from the brink of disaster and return our atmosphere to the “magic number” of 350 parts per million of carbon dioxide. Toensmeier’s book is the first to bring together these powerful strategies in one place, including in-depth analysis of the available research and, where research is lacking, a discussion of what it will take to get us there. Carbon farming can take many forms. The simplest practices involve modifications to annual crop production. Although many of these modifications have relatively low sequestration potential, they are widely applicable and easily adopted, and thus have excellent potential to mitigate climate change if practiced on a global scale. Likewise, grazing systems such as silvopasture are easily replicable, don’t require significant changes to human diet, and—given the amount of agricultural land worldwide that is devoted to pasture—can be important strategies in the carbon farming arsenal. But by far, agroforestry practices and perennial crops present the best opportunities for sequestration. While many of these systems are challenging to establish and manage, and would require us to change our diets to new and largely unfamiliar perennial crops, they also offer huge potential that has been almost entirely ignored by climate crusaders. Many of these carbon farming practices are already implemented globally on a scale of millions of hectares. These are not minor or marginal efforts, but win-win solutions that provide food, fodder, and feedstocks while fostering community self-reliance, creating jobs, protecting biodiversity, and repairing degraded land—all while sequestering carbon, reducing emissions, and ultimately contributing to a climate that will remain amenable to human civilization. Just as importantly to a livable future, these crops and practices can contribute to broader social goals such as women’s empowerment, food sovereignty, and climate justice. The Carbon Farming Solution does not present a prescription for how cropland should be used and is not, first and foremost, a how-to manual, although following up on references in a given section will frequently provide such information. Instead, The Carbon Farming Solution is—at its root—a toolkit. It is the most complete collection of climate-friendly crops and practices currently available. With this toolkit, farmers, communities, and governments large and small, can successfully launch carbon farming projects with the most appropriate crops and practices to their climate, locale, and socioeconomic needs. Toensmeier’s ultimate goal is to place carbon farming firmly in the center of the climate solutions platform, alongside clean solar and wind energy. With The Carbon Farming Solution, Toensmeier wants to change the discussion, impact policy decisions, and steer mitigation funds to the research, projects, and people around the world who envision a future where agriculture becomes the protagonist in this fraught, urgent, and unprecedented drama of our time. Citizens, farmers, and funders will be inspired to use the tools presented in this important new book to transform degraded lands around the world into

productive carbon-storing landscapes.

Molecular Feminisms

Few subjects have been so cursorily treated as the first Japanese unions. Yet their history contains much to intrigue the student of human events: The American Federation of Labor organizer who founded the Japanese labor movement; the Japanese Activists who spent years in AMERICA studying unionism a major railway strike that won the hearts of the people of Japan; a major Japanese union newspaper with most of its copy in Japanese but always a few pages in English. These and other puzzling events can be understood only in the context of the development of Japan's labor movement between 1868 and 1900. Stephen E. Marsland effectively brings together primary and secondary sources to demonstrate how social, political, economic, technological, and historical factors shaped the philosophical outlook and the organizational structure of the labor movement in Japan. He shows that Japanese workers and their leaders tended to choose the "shop" form of unionism rather than the prevalent forms in the industrialized Western nations. The shop form, the author contends, was the structural forerunner of the present-day "enterprise" unions that multiplied so typically in post World War II Japan. The marriage of Western economic centres with Japanese social structure and philosophy forged a uniquely Japanese unionism that has remained strong and vibrant to this day, sustained by the traditions created by the early Japanese labor movements and its leaders. The Birth of the Japanese Labor Movement will be of interest to Japanese studies specialists, particularly in history and the social sciences, and scholars in the fields of industrial relations and labor history.

Japanese Demon Lore

Smart Study Series - Ent E-Book

The new edition of this book is a complete guide to the diagnosis and management of head and neck cancers. Divided into seven sections, the text covers thyroid, salivary glands and parapharyngeal tumours, neck, paranasal sinuses, oral cavity and oropharynx, larynx, hypopharynx and nasopharynx, with a final section on general topics. Each topic includes discussion on pathology, imaging, and medical and surgical management. The second edition has been fully revised to provide the latest advances in the field, and includes new chapters on parathyroid tumours, infratemporal fossa, temporal bone tumours, facial nerve tumours, tracheostomy, and skin cancers. Recent changes in the American Joint Cancer Committee (AJCC) 8th Edition staging system have been incorporated. More than 300 photographs, illustrations and tables further enhance the comprehensive text. Key points

Comprehensive guide to diagnosis and management of head and neck cancers
Fully revised, second edition with many new topics included
Covers recent changes in the American Joint Cancer Committee (AJCC) 8th Edition staging system
Previous edition (9789351527916) published in 2015

Basic Concepts in Head & Neck Surgery and Oncology

This book summarizes the key scientific outcomes of the Horizon 2020 research project TULIPP: Towards Ubiquitous Low-power Image Processing Platforms. The main focus lies on the development of high-performance, energy-efficient embedded systems for the growing range of increasingly complex image processing applications. The holistic TULIPP approach is described in the book, which addresses hardware platforms, programming tools and embedded operating systems. Several of the results are available as open-source hardware/software for the community. The results are evaluated with several use cases taken from real-world applications in key domains such as Unmanned Aerial Vehicles (UAVs), robotics, space and medicine. Discusses the development of high-performance, energy-efficient embedded systems for the growing range of increasingly complex image processing applications; Covers the hardware architecture of embedded image processing systems, novel methods, tools and libraries for programming those systems as well as embedded operating systems to manage those systems; Demonstrates results with several challenging applications, such as medical systems, robotics, drones and automotive.

Prospects in Bioscience: Addressing the Issues

This teaching guide covers the identification, deterioration, and conservation of artifacts made from plant materials. Detailed information on plant anatomy, morphology, and development, focusing on information useful to the conservator in identifying plant fibers are described, as well as the processing, construction, and decorative techniques commonly used in such artifacts. A final chapter provides a thorough discussion of conservation, preservation, storage, and restoration methods. This is a valuable resource to conservators and students alike.

SURGERY SIXER FOR NBE

Although haiku is well known throughout the world, few outside Japan are familiar with its precursor, haikai (comic linked verse). Fewer still are aware of the role played by the Chinese Daoist classics in turning haikai into a respected literary art form. *Bashō and the Dao* examines the haikai poets' adaptation of Daoist classics, particularly the Zhuangzi, in the seventeenth century and the eventual transformation of haikai from frivolous verse to high poetry. The author analyzes haikai's encounter with the Zhuangzi through its intertextual relations with the works of Bashō and other major haikai poets, and also the nature and characteristics of haikai that sustained the Zhuangzi's relevance to haikai poetic construction. She demonstrates how the haikai poets' interest in this Daoist work was rooted in the intersection of deconstructing and reconstructing the classical Japanese poetic tradition. Well versed in both Chinese and Japanese scholarship, Qiu explores the significance of Daoist ideas in Bashō's and others' conceptions of haikai. Her method involves an extensive hermeneutic reading of haikai texts, an in-depth analysis of the connection between Chinese and Japanese poetic terminology, and a comparison of Daoist traits in both traditions. The result is a penetrating study of key ideas that have been instrumental in defining and rediscovering the poetic essence of haikai verse. *Bashō and the Dao* adds to an increasingly vibrant area of academic inquiry—the complex literary and cultural relations between Japan and China in the early modern era. Researchers and

students of East Asian literature, philosophy, and cultural criticism will find this book a valuable contribution to cross-cultural literary studies and comparative aesthetics.

Diseases of Ear, Nose and Throat, 6/e

· Most preferred book of surgery for PG aspirants in 2018 · Only book on surgery for PGMEET written by leading faculty and super specialty surgeon · First book to cover sample video questions on Surgery seeing the changing trends of examinations · The complete content has been updated from the latest Editions of Bailey and Love 27/e, Sabiston's 20/e, Schwartz 10/e, Campbell-Walsh Urology 11/e, Harrison's 20/e, Blumgart's 6/e, Shackelford's 8/e and Devita 11/e · Latest updates of AJCC Cancer staging 8th Edition & ATLS 10th Edition included · All chapters are reviewed and inputs are given by the concerned super specialty consultants · Every chapter starts with One Liners which will help you learn the basic points related to the respective chapter · Several important points like—Extra-Mile, Recent Advances, Must Know, Controversy Desk and High Yield Facts are added to pay special attention while you read the text. · Highest number of illustrations are given to supplement the text for better understanding of intricate concepts · Author's Facebook Help Group Page “Surgery Sixer” to clarify all doubts of the readers.

Placing Empire

As records of the link between a manuscript and the texts it contains, paratexts document many aspects of a manuscript's life: production, transmission, usage, and reception. Comprehensive studies of paratexts are still rare in the field of manuscript studies, and the universal categories of time and space are used to create a common frame for research and comparisons. Contributions in this volume span over three continents and one millennium.

Singapore in Global History

This clinically oriented book covers selected infections of the central nervous system which are of considerable current interest. Aspects that are less well documented, such as spinal cord infections, central nervous system infections in patients with cancer, tropical infections, healthcare-associated ventriculitis or meningitis and immunological problems in the international traveler are also discussed, as these are all problems relevant to daily practice. CNS Infections: A Clinical Approach is of value to the busy clinician; the neurological international community as well as all primary care doctors, internal medicine specialists and residents who take care of patients with suspected neurological infections.

Basho and the Dao

Since the middle of the nineteenth century, imperial reformers, early Republicans, Guomindang party cadres, and Chinese Communists have all prioritized science and technology. In this book, Elman gives a nuanced account of the ways in which native Chinese science evolved over four centuries, under the influence of both Jesuit and Protestant missionaries. In the end, he argues, the Chinese produced

modern science on their own terms.

Cyanobacterial Harmful Algal Blooms: State of the Science and Research Needs

A free ebook version of this title is available through Luminos, University of California Press's Open Access publishing program. Visit www.luminosoa.org to learn more. *Placing Empire* examines the spatial politics of Japanese imperialism through a study of Japanese travel and tourism to Korea, Manchuria, and Taiwan between the late nineteenth century and the early 1950s. In a departure from standard histories of Japan, this book shows how debates over the role of colonized lands reshaped the social and spatial imaginary of the modern Japanese nation and how, in turn, this sociospatial imaginary affected the ways in which colonial difference was conceptualized and enacted. The book thus illuminates how ideas of place became central to the production of new forms of colonial hierarchy as empires around the globe transitioned from an era of territorial acquisition to one of territorial maintenance.

Sss-Otorhinolaryngology And Head & Neck Surgery

Microbial Applications Vol.2

Starting in the early 1970s, a type of programmed cell death called apoptosis began to receive attention. Over the next three decades, research in this area continued at an accelerated rate. In the early 1990s, a second type of programmed cell death, autophagy, came into focus. Autophagy has been studied in mammalian cells for many years. The recen

The Thumb

This second edition of the highly praised *Drug Interaction in Infectious Diseases* includes all the major recent advances in the understanding of drug interactions, with emphasis on the many new drugs approved since the first edition. The treatment of the mechanisms of drug interaction has increased to fill two chapters, allowing a more detailed description of absorption, metabolism, and excretion, as well as describing the growing knowledge of transport proteins. Recent reports of drug interactions, new case studies, and a new chapter outlining the regulatory perspective on interaction studies during drug development have been added. The information contained in the book ranges from detailed tables of specific drug-drug interactions to in-depth discussions of interaction mechanisms and research issues.

Advances in Nature-Inspired Computing and Applications

This book introduces the reader to synthetic or artificial seeds, which refer to alginate encapsulated somatic embryos, vegetative buds or any other micropropagules that can be used as seeds and converted into plantlets after propagating under in vitro or in vivo conditions. Moreover, synthetic seeds retain their potential for regeneration even after low-temperature storage. The

production of synthetic or artificial seeds using micropropagules opens up new vistas in agricultural biotechnology. Encapsulated propagules could be used for in vitro regeneration and mass multiplication at reasonable cost. In addition, these propagules may be used for germplasm preservation of elite plant species and the exchange of plant materials between national and international laboratories. This book offers state-of-the-art findings on methods, applications and prospects of synthetic or artificial seeds.

Agroforestry - The Future of Global Land Use

This title is part of UC Press's Voices Revived program, which commemorates University of California Press's mission to seek out and cultivate the brightest minds and give them voice, reach, and impact. Drawing on a backlist dating to 1893, Voices Revived makes high-quality, peer-reviewed scholarship accessible once again using print-on-demand technology. This title was originally published in 1989.

World Philology

With the ever-increasing incidence of harmful cyanobacterial algal blooms, this monograph has added urgency and will be essential reading for all sorts of researchers, from neuroscientists to cancer research specialists. The volume contains the proceedings of the 2005 International Symposium on Cyanobacterial Harmful Algal Blooms, and has been edited by H. Kenneth Hudnell, of the US Environmental Protection Agency. It contains much of the most recent research into the subject.

Tracing Manuscripts in Time and Space through Paratexts

This multi-authored text on Periodontology and Oral Implantology, written by leading authorities in the subject of Periodontology in the country, will cater to the needs of the undergraduate and postgraduate dental students, dental hygienists and private practitioners alike. It is a comprehensive text on the etiopathogenesis, diagnosis and management of periodontal diseases at all stages of severity and in combination with other phases of dental care. Based on the new syllabus prescribed by the Dental Council of India, the book discusses all the modern aspects of clinical periodontology. This book includes topics like Pulpo-Periodontal Involvement, Systemic Effects of Periodontal Diseases, and Infection Control Protocol, thereby sufficing the coverage of revised DCI syllabus. Also discusses chapters like Periodontal splints, Risk factors & Host response in detail as per the revised DCI syllabus. Also there is emphasis on understanding the clinical phenomena in terms of underlying tissue changes, thereby, correlating basic sciences with clinical aspects of periodontal disease and various therapeutic measures currently in use. It also covers recent advances in eriodontology with special emphasis on oral implantology.

Ecological Basis of Agroforestry

This book contains research contributions from leading global scholars in nature-

inspired computing. It includes comprehensive coverage of each respective topic, while also highlighting recent and future trends. The contributions provides readers with a snapshot of the state of the art in the field of nature-inspired computing and its application. This book has focus on the current researches while highlighting the empirical results along with theoretical concepts to provide a comprehensive reference for students, researchers, scholars, professionals and practitioners in the field of Advanced Artificial Intelligence, Nature-Inspired Algorithms and Soft Computing.

Reviews on Biomarker Studies in Aging and Anti-Aging Research

This book gathers research contributions on recent advances in intelligent and distributed computing. A major focus is placed on new techniques and applications for several highlydemanded research directions: Internet of Things, Cloud Computing and Big Data, Data Mining and Machine Learning, Multi-agent and Service-Based Distributed Systems, Distributed Algorithms and Optimization, Modeling Operational Processes, Social Network Analysis and Inappropriate Content Counteraction, Cyber-Physical Security and Safety, Intelligent Distributed Decision Support Systems, Intelligent Human-Machine Interfaces, VisualAnalytics and others. The book represents the peer-reviewed proceedings of the 13thInternational Symposium on Intelligent Distributed Computing (IDC 2019), which was held in St. Petersburg, Russia, from October 7 to 9, 2019.

Kabuki's Forgotten War

The Carbon Farming Solution

◆Should feminists clone?◆ ◆What do neurons think about?◆ ◆How can we learn from bacterial writing?◆ These provocative questions have haunted neuroscientist and molecular biologist Deboleena Roy since her early days of research when she was conducting experiments on an in vitro cell line using molecular biology techniques. An expert natural scientist as well as an intrepid feminist theorist, Roy takes seriously the expressive capabilities of biological ◆objects◆◆such as bacteria and other human, nonhuman, organic, and inorganic actants◆in order to better understand processes of becoming. She also suggests that renewed interest in matter and materiality in feminist theory must be accompanied by new feminist approaches that work with the everyday, nitty-gritty research methods and techniques in the natural sciences. By practicing science as feminism at the lab bench, Roy creates an interdisciplinary conversation between molecular biology, Deleuzian philosophies, science and technology studies, feminist theory, posthumanism, and postcolonial and decolonial studies. In *Molecular Feminisms* she brings insights from feminist and cultural theory together with lessons learned from the capabilities and techniques of bacteria, subcloning, and synthetic biology to o er tools for how we might approach nature anew. In the process she demonstrates that learning how to see the world around us is also always about learning how to encounter that world.

The Birth of the Japanese Labor Movement

Diseases of Ear, Nose and Throat is a popular textbook of ENT. The first edition of the book was published in 1992. Since then it has received wide acceptance from the readers and every attempt has been made to update the current edition in the light of the advances made by the speciality. The current sixth edition of the book marks 22nd year of its publication.

On Their Own Terms

Using both epidemiological and model organism approaches, we have gained new insights into the physiological and molecular aspects of aging, which has led to significant advancements in potential anti-aging strategies. Reviews on Biomarker Studies in Aging and Anti-Aging Research presents a series of reviews in various aspects of aging and age-related disease research along with several methods which have shown progress as potential anti-aging approaches. The book is aimed at researchers in the areas of aging and chronic disease, as well as to clinical scientists, physicians and major drug companies. It provides important information on disease mechanisms, and each chapter is presented in the context of the aging process, specific chronic diseases or different therapeutic areas.

Becoming One

According to a myth constructed after Japan's surrender to the Allied Forces in 1945, kabuki was a pure, classical art form with no real place in modern Japanese society. Drawing extensively from Japanese sources, Brandon shows that kabuki played an important role in Japan's Fifteen-Year Sacred War.

The Conservation of Artifacts Made from Plant Materials

Faced with the growing problems of climate change, ecosystem degradation, declining agricultural productivity, and uncertain food security, modern agricultural scientists look for potential relief in an ancient practice. Agroforestry, if properly designed, can mitigate greenhouse effects, maintain ecosystem health and biodiversity, provide food security, and reduce poverty. Poorly implemented agroforestry, however, can not only exacerbate existing problems, but also contribute in its own right to the overall negative effects of our depleted and failing ecosystems. With a diminishing margin for error, a thorough understanding of the ecological processes that govern these complex systems is, therefore, crucial. Drawing on the collective expertise of world authorities, Ecological Basis of Agroforestry employs extensive use of tables and figures to demonstrate how ecologically sustainable agroecosystems can meet the challenges of enhancing crop productivity, soil fertility, and environmental sustainability. Divided into four sections, this comprehensive volume begins with a study of tree-crop interaction in tropical and temperate climates. Contributions cover above and below ground interactions, alley cropping, tri-trophic interactions, ecologically based pest management, and the chemistry and practical potential of chemically mediated plant interactions. The second section investigates root-mediated below ground interactions and their role in enhancing productivity, soil fertility, and

sustainability. It includes an extensive study on litter dynamics and factors affecting nutrient release. Applying ecological modeling of complex agroforestry systems, section three demonstrates the use of computer-based designs to ensure profitability. The final section addresses the socio-economic aspects of agroforestry, supplying in-depth knowledge of various farming systems and discussing the technological tools that benefit society in different eco-regions around the world.

The Sorghum Genome

In this book, globally renowned orthopedic, plastic, and hand surgeons provide the knowledge required in order to understand and resolve the full range of problems associated with diseases, anomalies, deformities, and trauma of the thumb. The opening section describes the history of “making a thumb” and covers the fundamentals of anatomy, embryology, and functional dynamics. After careful presentation of the surgical procedures for various developmental anomalies of the thumb, subsequent sections focus on the treatment of bone and joint, tendon, and nerve problems encountered in patients with different diseases and injuries. All aspects of the surgical management of benign and malignant tumors of the thumb are then described. The final section is devoted to current and emerging treatments for trauma, including amputation and microsurgical and non-microsurgical reconstruction. The text is supported by superb clinical photographs as well as high-quality schematic drawings and video clips. The book will be of value not only to practicing surgeons but also to residents and medical students.

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