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Antimicrobial Resistance As a Global Public Health Problem: How Can We Address It?

Frontiers Media SA

Reviews of Environmental Contamination and Toxicology

Springer Science & Business Media Reviews of Environmental Contamination and Toxicology attempts to provide concise, critical reviews of timely advances, philosophy and significant areas of accomplished or needed endeavor in the total field of xenobiotics, in any segment of the environment, as well as toxicological implications.

The Complexity of Religious Inequality

MDPI Although scholars of religion acknowledge religion’s deep interconnectedness with race and ethnicity in (and occassionally class), we nonetheless typically study religion as a factor that is independent from other social structures. Likewise, we rarely systematically examine class, race or gender differences between or within religious groups. This journal issue will highlight research that moves beyond these weaknesses by publishing papers that intentionally examine aspects of inequality as they relate to religion. Papers that explore these connections historically or in contemporary times and internationally or locally are all encouraged.

Crop Production Research

Improving Potassium Recommendations for Agricultural Crops

Springer Nature This open access book highlights concepts discussed at two international conferences that brought together world-renowned scientists to advance the science of potassium (K) recommendations for crops. There was general agreement that the potassium recommendations currently in general use are oversimplified, outdated, and jeopardize soil, plant, and human health. Accordingly, this book puts forward a significantly expanded K cycle that more accurately depicts K inputs, losses and transformations in soils. This new cycle serves as both the conceptual basis for the scientific discussions in this book and a framework upon which to build future improvements. Previously used approaches are critically reviewed and assessed, not only for their relevance to future enhancements, but also for their use as metrics of sustainability. An initial effort is made to link K nutrition in crops and K nutrition in humans. The book offers an invaluable asset for graduate students, educators, industry scientists, data scientists, and advanced agronomists.

Taste, Nutrition and Health

MDPI The sensation of flavor reflects the complex integration of aroma, taste, texture, and chemesthetic (oral and nasal irritation cues) from a food or food component. Flavor is a major determinant of food palatability—the extent to which a food is accepted or rejected—and can profoundly influence diet selection, nutrition, and health. Despite recent progress, gaps in knowledge still remain regarding how taste and flavor cues are detected at the periphery, conveyed by the brainstem to higher cortical levels, and then interpreted as a conscious sensation. Taste signals are also

projected to central feeding centers where they can regulate hunger and fullness. Individual differences in sensory perceptions are also well known and can arise from genetic variation, environmental causes, or a variety of metabolic diseases, such as obesity, metabolic syndrome, and cancer. Genetic taste/smell variation could predispose individuals to these same diseases. Recent findings have opened new avenues of inquiry, suggesting that fatty acids and carbohydrates may provide nutrient-specific signals informing the gut and brain of the nature of the ingested nutrients. This Special Issue, Taste, Nutrition, and Health, presents original research communications and comprehensive reviews on topics of broad interest to researchers and educators in sensory science, nutrition, physiology, public health, and health care.

Bioresource and Stress Management

Springer This book is a compilation of recent global measures to conserve bio-resources and manage biotic and abiotic stresses. It highlights emerging issues related to agriculture, abiotic and biotic stress factors, ethnic knowledge, climate change and global warming, as well as natural resources and their sustainable management. It also focuses on the consolidated efforts of scientists and academics engaged in addressing a number of issues related to resource management and combating stresses in order to protect the Earth. Crop production and productivity have been significantly improved, however, there have been no corresponding practical advances in sustainable agriculture.This book offers a wide range of affordable approaches to managing bio-resources with a focus on sustainability. Lastly, it describes research highlights and future areas of research.

Science Literacy

Concepts, Contexts, and Consequences

National Academies Press Science is a way of knowing about the world. At once a process, a product, and an institution, science enables people to both engage in the construction of new knowledge as well as use information to achieve desired ends. Access to scienceâ€"whether using knowledge or creating itâ€"necessitates some level of familiarity with the enterprise and practice of science: we refer to this as science literacy. Science literacy is desirable not only for individuals, but also for the health and well- being of communities and society. More than just basic knowledge of science facts, contemporary definitions of science literacy have expanded to include understandings of scientific processes and practices, familiarity with how science and scientists work, a capacity to weigh and evaluate the products of science, and an ability to engage in civic decisions about the value of science. Although science literacy has traditionally been seen as the responsibility of individuals, individuals are nested within communities that are nested within societiesâ€"and, as a result, individual science literacy is limited or enhanced by the circumstances of that nesting. Science Literacy studies the role of science literacy in public support of science. This report synthesizes the available research literature on science literacy, makes recommendations on the need to improve the understanding of science and scientific research in the United States, and considers the relationship between scientific literacy and support for and use of science and research.

Critical Analyses of Educational Reforms in an Era of Transnational Governance

Springer This book represents a set of critical analyses of educational reforms where issues of transnational governance are of vital concern. It focuses on different aspects of, and practices in educational reform-making, and in particular on governing techniques and the working of new agencies such as supranational and multinational organizations. In addition, the book examines contemporary issues of immigration/immigrants in the politics of schooling, by reflecting on matters of migration, and problematizing how concepts such as exclusion and abjection make the migrants appear “failed”, “insufficient” and even “dangerous”. The book provides theoretical insights into critical relations between knowledge and power, governance and governmentality, and notions concerning educational systems, as well as how these are compared. The central themes of the book are models for organizing and reflecting on transnationalization and educational reforms. In its discussion of those themes, the focus lies on changing conceptions of education and the educational system; on how school or teacher education is adapting to discourses of effectiveness and efficiency; and on their transformation according to standardized templates. Such changing conceptions define the meanings of education and educational progress; they are important for the identification and analysis of educational knowledge, and for critical discourses on education in society.

Biochemical Education

Springer Science & Business Media The purpose of the present text is to distil the experience of a number of workers active in the field of biochemical education, so providing readable accounts which, it is hoped, will be of significant benefit to those who are new to the teaching profession in addition to those who may be stimulated to experiment with alternative strategies in their own teaching situation. From the various contributions considered in this book, each topic, in its widest sense, would warrant at least a volume on its own and indeed such texts are currently available. However, it was felt more appropriate to restrict the coverage to those aspects which are of particular use to

the subject of biochemistry and, for which, work in this area has already achieved some measure of success. In effect what each of us is doing is supplying findings from a body of knowledge collectively called educational technology. Without entering the debate on the semantics of what educational technology is or is not, it doesn't take long to realise that, like the vast majority of subject areas, it has its own unique terminologies and vocabulary. Whilst it is inevitable that such terms will appear throughout the text, hopefully all will be explained on first use and so it is not envisaged that this will be too distractive to the reader.

Frontiers in Environmental Science – Editor’s Picks 2021

Frontiers Media SA

Asian Pacific American Politics

Celebrating the Scholarly Legacy of Don T. Nakanishi

Routledge Asian Pacific American Politics presents some of the most recent research on Asian American politics, including both quantitative and qualitative examinations of the role of Asian and Pacific Islander Americans in some of today’s major political controversies. In the highly polarized politics of the United States in the early 21st century, non-Black racial minorities such as Asian Americans and Pacific Islander Americans will increasingly find themselves swept into the epicenter of many of the divisive controversies. This timely volume presents the latest scholarly research on some of these issues, examining questions such as Asian American support for #Black Lives Matter, responses to racially-charged attacks, and the differences in the political socialization, politicization, and community-based activism within and across sectors of the Asian American population. In addition to examining political identity, voting participation, political mobilization, transnational politics, and partisan formation, the volume also investigates important, but little discussed, issues such as the Native Hawaiian sovereignty movement, political incorporation of Filipino Americans, and the struggle to establish "comfort women" memorials in the United States. Contributors also examine, through dialogues, how Asian Americans fit into the larger world of American racial politics, the extent to which they are likely to build coalitions with other communities of color, and the boundaries and contours of Asian American political theory. Exploring and Expanding the Political World Pioneered by Don T. Nakanishi, Asian Pacific American Politics will be of great interest to scholars of race and ethnicity in American politics, immigration and minority incorporation, ethnic identity politics, and political participation and democratic inclusion of Asians. The chapters were originally published in Politics, Groups, and Identities.

The International Journal of Surgery

"Monthly index of surgery and gynecology" in vol. 9- .

Life Cycle Sustainability Assessment (LCSA)

Springer Nature

Decolonizing Place in Early Childhood Education

Routledge This book draws attention to the urgent need for early childhood education to critically encounter and pedagogically respond to the entanglements of environmentally damaged places, anti-blackness, and settler colonial legacies. Drawing from the author’s multi-year participatory action research with educators and children in suburban settings, the book highlights Indigenous presences and land relations within ongoing settler colonialism as necessary, yet often ignored, aspects of environmental education. Chapters discuss topics such as: geotheorizing in a capitalist society, absences of Black place relations, and unsettling unquestioned Western assumptions about nature education. Rather than offer prescriptive solutions, this book works to broaden possibilities and bolster the conversation among teachers and scholars concerned with early years environmental education.

Computational Materials, Chemistry, and Biochemistry: From Bold Initiatives to the Last Mile

In Honor of William A. Goddard’s Contributions to Science and Engineering

Springer Nature This book provides a broad and nuanced overview of the achievements and legacy of Professor William (“Bill”) Goddard in the field of computational materials and molecular science. Leading researchers from around the globe discuss Goddard’s work and its lasting impacts, which can be seen in today’s cutting-edge chemistry, materials science, and biology techniques. Each section of the book closes with an outline of the prospects for future

developments. In the course of a career spanning more than 50 years, Goddard's seminal work has led to dramatic advances in a diverse range of science and engineering fields. Presenting scientific essays and reflections by students, postdoctoral associates, collaborators and colleagues, the book describes the contributions of one of the world's greatest materials and molecular scientists in the context of theory, experimentation, and applications, and examines his legacy in each area, from conceptualization (the first mile) to developments and extensions aimed at applications, and lastly to de novo design (the last mile). Goddard's passion for science, his insights, and his ability to actively engage with his collaborators in bold initiatives is a model for us all. As he enters his second half-century of scientific research and education, this book inspires future generations of students and researchers to employ and extend these powerful techniques and insights to tackle today's critical problems in biology, chemistry, and materials. Examples highlighted in the book include new materials for photocatalysts to convert water and CO2 into fuels, novel catalysts for the highly selective and active catalysis of alkanes to valuable organics, simulating the chemistry in film growth to develop two-dimensional functional films, and predicting ligand–protein binding and activation to enable the design of targeted drugs with minimal side effects.

Innovative Horticulture

New India Publishing With special reference to India.

Innovation Studies

Evolution and Future Challenges

Oxford University Press Innovation is increasingly recognized as a vitally important social and economic phenomenon worthy of serious research study. The book, written by leading contributors to the field, examines the state of the art and achievements in the relatively new field of Innovation Studies, as well as what future challenges lie ahead.

Garcian Meditations

The Dialectics of Persistence in Form and Object

Edinburgh University Press The publication of Form and Object: A Treatise on Things by Tristan Garcia, Prix de Flore-winning novelist, philosopher, essayist, and screenwriter is a genuine event in the history of philosophy. Situating this event within classical, modern and contemporary dialectical space, Jon Cogburn evaluates Garcia's metaphysics, differential ontology, and militant anti-reductionism through a series of seemingly incompatible oppositions: substance/process, analysis/dialectic, simple/whole and discovery/creation. ogburn also includes a critical assessment of the consequences of Garcia's philosophy, the various unresolved problems in his treatise and the future prospects of speculative metaphysics.

List of Journals Indexed in Index Medicus

Issues for 1977-1979 include also Special List journals being indexed in cooperation with other institutions. Citations from these journals appear in other MEDLARS bibliographies and in MEDLING, but not in Index medicus.

Persistent Organic Pollutants (POPs): Analytical Techniques, Environmental Fate and Biological Effects

Elsevier This book focuses on those organic chemicals that are regulated by the Stockholm Convention on Persistent Organic Pollutants (POPs). as well as organic chemical with the attributes of being persistent, bioaccumulative, and toxic to ecosystem and human beings, criteria used by the Stockholm Convention for screening POP candidates. Because of the unfavourable properties of POPs, numerous research efforts have been directed toward investigating their input sources, fate, and effects, with the help of continuously improving analytical technologies. The contributors to this book provide an integrated assessment of existing data, which will benefit both the scientific and management communities in planning further research projects and/or pollution control measures. Comprehensive overview of recent advances in analyzing persistent organic pollutants (POPs) Covers input sources, fate and biological effects of POPs Contains essential information for environmental management

Cutting Edge Robotics

I-Tech

Agricultural Biochemistry

Agricultural biochemistry integrates chemistry and biochemistry and seeks to apply the concepts into agricultural practice. This innovative and comprehensive book combines the well-developed theory and practical applications of agricultural biochemistry through lucid elaborations of selected topics of vital importance such as enzymology, plant biochemistry and genetics, plant physiology, etc. With state-of-the-art inputs by acclaimed experts of this field, this book targets students and professionals alike. Research scholars will also find this book a useful resource material filled with significant topics which can be taken up for research and further study.

Getting Lost

Feminist Efforts toward a Double(d) Science

State University of New York Press Marks the trajectory of the author’s work as a feminist methodologist.

Skin Barrier Function

Karger Medical and Scientific Publishers Although a very fragile structure, the skin barrier is probably one of the most important organs of the body. Inward/out it is responsible for body integrity and outward/in for keeping microbes, chemicals, and allergens from penetrating the skin. Since the role of barrier integrity in atopic dermatitis and the relationship to filaggrin mutations was discovered a decade ago, research focus has been on the skin barrier, and numerous new publications have become available. This book is an interdisciplinary update offering a wide range of information on the subject. It covers new basic research on skin markers, including results on filaggrin and on methods for the assessment of the barrier function. Biological variation and aspects of skin barrier function restoration are discussed as well. Further sections are dedicated to clinical implications of skin barrier integrity, factors influencing the penetration of the skin, influence of wet work, and guidance for prevention and saving the barrier. Distinguished researchers have contributed to this book, providing a comprehensive and thorough overview of the skin barrier function. Researchers in the field, dermatologists, occupational physicians, and related industry will find this publication an essential source of information.

Water Conservation and Wastewater Treatment in BRICS Nations

Technologies, Challenges, Strategies and Policies

Elsevier Water Conservation and Wastewater Treatment in BRICS Nations: Technologies, Challenges, Strategies, and Policies addresses issues of water resources—including combined sewer system overflows—assessing effects on water quality standards and protecting surface and sub-surface potable water from the intrusion of saline water due to sea level rise. The book's chapters incorporate both policies and practical aspects and serve as baseline information for future adaption plans in BRICS nations. Users will find detailed important information that is ideal for policymakers, water management specialists, BRICS nation undergraduate or university students, teachers and researchers. Presents tools and techniques that can be used to preserve water resources, including groundwater and surface water Provides geophysical methods to quantitatively monitor physical earth processes associated with water resources, such as contaminant transport and ecological and climate change investigations and monitoring Includes desalination techniques which can solve the issue of scarce drinking water

Blockchain for 5G-Enabled IoT

The new wave for Industrial Automation

Springer Nature This book addresses one of the most overlooked practical, methodological, and moral questions in the journey to secure and handle the massive amount of data being generated from smart devices interactions: the integration of Blockchain with 5G-enabled IoT. After an overview, this book discusses open issues and challenges, which may hinder the growth of Blockchain technology. Then, this book presents a variety of perspectives on the most pressing questions in the field, such as: how IoT can connect billions of objects together; how the access control mechanisms in 5G-enabled industrial environment works; how to address the real-time and quality-of-service requirements for industrial applications; and how to ensure scalability and computing efficiency. Also, it includes a detailed discussions on the complexity of adoption of Blockchain for 5G-Enabled IoT and presents comparative case studies with respect to various performance evaluation metrics such as scalability, data management, standardization, interoperability and regulations, accessibility, human-factors engineering and interfaces, reliability, heterogeneity, and QoS requirements. This book acts as a professional guide for the practitioners in information security and related

topics.

Network Pharmacology

Springer Nature

Hydrocolloids

Elsevier Hydrocolloids

Liver Transplantation and Hepatobiliary Surgery

Interplay of Technical and Theoretical Aspects

Springer Nature In the past, liver resections and liver transplantations were performed by different surgical teams, with very little interplay between the two. However, the evolution toward more complex operations called for an increasingly intense interaction between these surgical techniques: split liver and living donor liver transplantation have become popular in the transplant community, utilizing the Coinaud segmental anatomy in a very sophisticated way, while portal and arterial resection and reconstruction have become indispensable methods for treating Klatskin tumors infiltrating the hepatic hilum. This book offers a complete overview of the connections between liver transplantation and hepatobiliary surgery. It focuses on ex situ techniques for resection of tumors at the suprahepatic confluence, with or without venous reconstruction, and on total vascular exclusion of the liver with the aid of a venovenous bypass that should be a surgical option for referral centers in hepatopancreatobiliary surgery. By taking into consideration the development of minimally invasive liver surgery, it will introduce readers to a variety of new perspectives such as: vascular exclusion techniques with or without extracorporeal circulation, hemodynamic implications and lessons learned from liver transplant surgery, and technical details on pediatric transplantation and its informative role in modern biliary tract surgery.

Antibiotics and Bacterial Resistance

John Wiley & Sons The need for novel antibiotics is greater now than perhaps anytime since the pre-antibiotic era. Indeed, the recent collapse ofmany pharmaceutical antibacterial groups, combined with theemergence of hypervirulent and pan-antibiotic-resistant bacteriahas severely compromised infection treatment options and led todramatic increases in the incidence and severity of bacterialinfections. This collection of reviews and laboratory protocols gives thereader an introduction to the causes of antibiotic resistance, thebacterial strains that pose the largest danger to humans (i.e.,streptococci, pneumococci and enterococci) and the antimicrobialagents used to combat infections with these organisms. Some newavenues that are being investigated for antibiotic development arealso discussed. Such developments include the discovery of agentsthat inhibit bacterial RNA degradation, the bacterial ribosome, andstructure-based approaches to antibiotic drug discovery. Two laboratory protocols are provided to illustrate differentstrategies for discovering new antibiotics. One is a bacterialgrowth inhibition assay to identify inhibitors of bacterial growththat specifically target conditionally essential enzymes in thepathway of interest. The other protocol is used to identifyinhibitors of bacterial cell-to-cell signaling. This e-book — a curated collection from eLS, WIREs, andCurrent Protocols — offers a fantastic introduction to thefield of antibiotics and antibiotic resistance for students orinterdisciplinary collaborators. Table of Contents: Introduction Antibiotics and the Evolution of Antibiotic Resistance eLS Jose L Martinez, Fernando Baquero Antimicrobials Against Streptococci, Pneumococci andEnterococci eLS Susan Donabedian, Adenike Shoyinka Techniques & Applications RNA decay: a novel therapeutic target in bacteria WIREs RNA Tess M. Eidem, Christelle M. Roux, Paul M. Dunman Antibiotics that target protein synthesis WIREs RNA Lisa S. McCoy, Yun Xie, Yitzhak Tor Methods High-Throughput Assessment of Bacterial Growth Inhibition byOptical Density Measurements Current Protocols Chemical Biology Jennifer Campbell Structure-Based Approaches to Antibiotic Drug Discovery Current Protocols Microbiology George Nicola, Ruben Abagyan Novel Approaches to Bacterial Infection Therapy by Interferingwith Cell-to-Cell Signaling Current Protocols Microbiology David A. Rasko, Vanessa Sperandio

Agricultural Education in Europe

Syntheses and Applications of Carbon Nanotubes and Their Composites

BoD – Books on Demand Carbon nanotubes are rolled up graphene sheets with a quasi-one-dimensional structure of nanometer-scale diameter. In these last twenty years, carbon nanotubes have attracted much attention from physicists, chemists, material scientists, and electronic device engineers, because of their excellent structural, electronic, optical, chemical and mechanical properties. More recently, demand for innovative industrial applications of carbon nanotubes is increasing. This book covers recent research topics regarding syntheses techniques of carbon nanotubes and nanotube-based composites, and their applications. The chapters in this book will be helpful to many

students, engineers and researchers working in the field of carbon nanotubes.

Indoor Air Quality

From Sampling to Risk Assessment in the Light of New Legislations

MDPI This Special Issue aims to make a concrete technical contribution to the solution of the various problems related to indoor air pollution. In 11 papers, international scientists report the last findings in this field from different points of view including topics such as the IAQ legislation, the role of IAQ in schools, hospitals and (micro)environments in general, the performance of an olfactometer system or the impact of an indoor malodor, BTEX measures in a Fire Station, and a chemical characterization of e-cigarette (e-cig) refill liquids (e-liq). It seems appropriate to encourage the development of reference values or specific action values in order to better manage particularly problematic situations in these environments. In the absence of national references to be used for a comparison, it is possible to use those reported in the legislation of other European countries or, by ad hoc working groups or by analogy, to use other standards such as those relating to ambient air.

Plant Abiotic Stress

John Wiley & Sons A fully revised review of the latest research in molecularbasis of plant abiotic stress response and adaptation Abiotic stressors are non-living environmental stressors thatcan have a negative impact on a plants ability to grow and thrivein a given environment. Stressors can range from temperature stress(both extreme heat and extreme cold) water stress, aridity,salinity among others. This book explores the full gamut of plantabiotic stressors and plants molecular responses and adaptations toadverse environmental conditions. The new edition of Plant Abiotic Stress providesup-to-date coverage of the latest research advances in plantabiotic stress adaptation, with special emphasis on the associatedand integrative aspects of physiology, signaling, andmolecular-genetics. Since the last edition, major advances inwhole genome analysis have revealed previously unknown linkagesbetween genes, genomes, and phenotypes, and new biological and–omics approaches have elucidated previously unknown cellularmechanisms underlying stress tolerance. Chapters are organized by topic, but highlight processes thatare integrative among diverse stress responses. As with the firstedition, Plant Abiotic Stress will have broad appeal toscientists in fields of applied agriculture, ecology, plantsciences, and biology.

Environmental Catalysis

CRC Press The study of environmental interfaces and environmental catalysis is central to finding more effective solutions to air pollution and in understanding of how pollution impacts the natural environment. Encompassing concepts, techniques, and methods, Environmental Catalysis provides a mix of theory, computation, analysis, and synthesis to support the latest applications in biocatalysis, green chemistry, environmental remediation and our understanding of the interaction of pollutants with natural systems. The book focuses on several aspects of environmental catalysis. Surface catalysis of airborne particles - including ice, trace atmospheric gases, aerosolized soot nanoparticles, and mineral dust surfaces - as well as particles in contact with ground water and their role in surface adsorption, surface catalysis, hydrolysis, dissolution, precipitation, oxidation and ozone decomposition is explored. It continues by presenting catalysis as the key technology for treating emissions and reducing waste by-products. The authors review the theory behind catalytic converters and discuss the effectiveness of several catalysts, including zeolites and nanoparticles, in treating emissions, aromatic hydrocarbons, and chemical warfare agents. They also survey the use of biocatalysis in environmental remediation, and industrial processes, particularly in the production of transportation fuels, fine chemicals, and pharmaceuticals. Then the authors explain how enzymes can remove chlorinated organics and metals and how microbes can metabolize toxic chemicals from groundwater. Lastly, they discuss the principles of green chemistry, including the use of environmentally benign solvents, biphasic catalysts, and other alternative solvents to recover and recycle catalysts based on heavy metals. With increasing ground water pollution, increasing particulates in the atmosphere, and the increasing need to remove pollutants from industrial and automotive sources, Environmental Catalysis addresses issues that will be instrumental in current and future environmental challenges we face.

Food Colloids

Fundamentals of Formulation

Royal Society of Chemistry Food Colloids: Fundamentals of Formulation describes the physico-chemical principles underlying the formulation of multi-component, multi-phase food systems. Emphasis is placed on the interfacial properties of proteins and the role of protein interactions in determining the properties of emulsions, dispersions, gels and foams. The coverage includes authoritative overviews of conceptual issues as well as descriptions of new experimental techniques and recent food colloids research findings. Specific topics include atomic force microscopy,

aggregation phenomena, coalescence mechanisms, crystallization processes, surface rheology, protein-lipid interactions and mixed biopolymer systems. This book provides essential new material for those active in the field and is suitable for postgraduates and researchers, both in industry and academia.

Predictive Modelling in Food

Cambridge Scholars Publishing This volume brings together papers detailing the latest advances in the field of predictive microbiology in foods presented at the 10th International Conference on Predictive Modelling in Food, held in Córdoba, Spain, in 2016. Predictive microbiology is a scientific area providing mathematical models to predict microbial behaviour in the food environment, providing valuable tools for food risk managers, food scientists and the food industry as a whole. The book introduces the reader to the most used and recognized modelling techniques for food, providing a thorough overview of this discipline and establishing the basis for future investigations. It is presented as a compendium of several high-quality research studies developed across the world, representing a unique contribution to the field as it shows recent discoveries and new trends of modelling in food and risk assessment. The most innovative methods, such as the use of genomic information for risk assessment and the application of quantitative risk assessment technology for foodborne pathogenic microorganisms, are also included here.

Equine Embryo Transfer

CRC Press This book briefly reviews the history of equine embryo transfer, covering in clinically practical terms the techniques, equipment, and management protocols currently in use. Embryo transfer has become a big business, especially for breeding racing stock (horses and camels), and is therefore a very important aspect of equine practice. Ed Squires and Pat McCue have been involved with the development of embryo collection and transfer procedures since the early 60s and have both contributed important techniques and innovations to the process through their research and clinical experience. This book captures the clinical experience, so far, and applies it directly to equine practice. The book is of great value to general equine practitioners for reference, equine reproduction specialists, animal science at the graduate level (equine track), and breeders.

Advances in Biodegradation