

Cxc 2013 Agricultural Science Past Paper

Current Trends and Future Developments on (Bio-) Membranes: Silica Membranes: Preparation, Modelling, Application, and Commercialization discusses one of the most promising inorganic membranes, namely silica membranes, and their different applications. In the field of membrane separation technology, silica membranes play a key role in the future of the chemical industry as one of the most promising alternatives for separations at high temperatures and aggressive media. This book details the latest research findings, along with the potential industrial applications of an area that has seen growing research activity on various type of membranes due to the necessity of gas separation and water treatment processes. Many industrial companies and academic centers will find immense interest in learning about the best strategies for carrying out these processes. Reviews available methods for the characterization, preparation, and applications of silica membranes
Includes new and emerging modeling methods Discusses silica membrane applications for hydrogen production and applications in CO₂ capturing, water treatment, and pervaporation

Food fraud has beset governments for centuries, and the legal responses to it have been uniquely suited to the sensibilities of the time. This publication follows the concept of food fraud described to occur when a fraudster intentionally deceives a customer about the quality and/or contents of the foods they wish to purchase, and such act is done to obtain an undue advantage, most often economic, for the fraudster. The vastness and complexity of food fraud, and the versatility in regulatory approaches can challenge national governments in their attempts to develop a coherent, focused approach to food fraud. To respond to this challenge, this paper introduces the available international regulatory guidance and the potential legal strategies at the national and regional level. It identifies and analyses some of the regulatory approaches to food fraud that countries have chosen and pays attention to the role of the private sector in food fraud regulation.

The Environment and Science and Technology Education covers topics on key issues in environmental education; school-based primary and secondary education; and community-based environmental education. The book also discusses topics on tertiary, professional and vocational environmental education and non-formal public environmental education. The text will give practical help to teachers in all countries in order to raise standards of education in those topics essential for development.

Education in the Commonwealth Caribbean and Netherlands Antilles provides a contemporary survey of education development and key educational issues in the region. The chapters cover: Anguilla, Antigua and Barbuda, the Bahamas, Barbados, Belize, Bermuda, the British Virgin Islands, the Cayman Islands, Dominica, Grenada, Guyana, Jamaica, the Netherlands Antilles (Aruba, Bonaire, Curacao, Saba, Saint Eustatius and Saint Maarten), Montserrat, Saint Kitts and

Nevis, Saint Lucia, Saint Vincent and the Grenadines, Surinam, Trinidad and Tobago, and the Turks and Caicos Islands. The book includes discussions of the impact of local, regional and global occurrences, including social, political and geographical events, on education systems and schooling in the region. As a whole, the book provides a comprehensive reference resource for contemporary education policies in the Caribbean, and explores some of the problems these countries face during the process of development. It is an essential reference for researchers, scholars, international agencies and policy-makers at all levels.

Dairy Foods

Bright Ideas

A Junior Secondary Course for the Caribbean

perceptions, practices, paradigms

Easter School in Agricultural Science

Microbially-Derived Biosurfactants for Improving Sustainability in Industry

Plant Proteins is a compendium of papers discussing, in general, plant proteins as materials for human foods, and in particular, the properties, biosynthesis, deposition of reserves in seeds, undesirable factors, production, and nutritional aspects of plant proteins in the food industry. Some papers review the properties and biosynthesis of plant proteins, the synthesis of chloroplast proteins, and legume seed proteins. Other papers discuss the development of protein reserves in seeds, as well as the toxicity and antagonistic actions in relation to amino acid and protein synthesis. One paper examines the world supply and demand for sources of protein from three plant sources, namely cereals, oilseeds, and legumes. Another paper discusses the capabilities of certain species of micro-organisms to synthesize from a few simple raw materials all the main components needed in the diet of a human or a farm animal. One paper notes that the acceptance of plant protein foods in society depends on their presentation, flavor, texture, appearance, identity, and product name. This compendium will benefit agronomists, agriculturists, biochemists, microbiologists, nutritionists, botanists, chemists, economists, food scientists, physicists and plant breeders.

This edited book explores the most promising and reliable technological developments expected to impact on the next generation of desalination systems. The book includes

research studies which takes the reader on a fascinating walk through the multidisciplinary world of membrane science applied to water treatment. Concerning the ultimate technological advancement, the book seeks to investigate how to bridge the gap between the laboratory scale and the applicability to industry.

These Study Guides have been developed exclusively with the Caribbean Examinations Council (CXC(R)) to be used as an additional resource by candidates who are following the Caribbean Secondary Education Certificate (CSEC(R)) programme. They provide candidates with extra support to help them maximise their performance in their examinations.

Salmonella remains a major cause of economic loss in domestic livestock and human food poisoning worldwide. In the last 10 years there have been major advances in understanding the salmonella organism, meaning a compiled source of the new research is urgently needed. With fully updated chapters and new coverage of genome structure, virulence, vaccine development, molecular methods for epidemiology and exotics, this second edition is an invaluable resource for researchers of animal and human health.

Agricultural Science for CSEC

Modern Multivariate Statistical Techniques

Processing, Quality, and Analytical Techniques

Report of the Joint FAO/WHO expert meeting, 12–15 May 2015, FAO headquarters, Rome, Italy

Natural Antioxidants and Biocides from Wild Medicinal Plants

International and national regulatory strategies to counter food fraud

This book provides an up-to-date treatment of antioxidant and biocidal compounds mainly from Latin American plants. New antimicrobial insecticides and antioxidants are compiled in a single source for the first time based on the research and knowledge of several international renowned research groups. This book is organized in three sections: Part I provides a general overview and perspectives on antioxidant, medicinal and biocidal plant compounds; Part II provides information on plant antioxidants isolated from a wide range of species; and Part III describes insecticidal, antimicrobial and other biocidal activities based on peptides, phytoecdysteroids, alkaloids, polyphenols, terpenoids and other allelochemicals.

Agricultural Science for CSEC(R) Examinations is one of a series of texts written especially for students studying for the CSEC examinations in science subjects. The examination for Agricultural Science can be taken as a Single Award or as a Double Award, and this book covers material for both.

Advances in Gram-Positive Bacteria Research and Treatment: 2013 Edition is a ScholarlyBrief™ that delivers timely, authoritative,

comprehensive, and specialized information about Bacillales in a concise format. The editors have built Advances in Gram-Positive Bacteria Research and Treatment: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Bacillales in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant content of Advances in Gram-Positive Bacteria Research and Treatment: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assessed, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Successful school leadership is an issue currently being debated up and down Caribbean territories. Key issues in the ongoing debate include: students' outcomes and participation in the regional Caribbean Secondary Examinations (CSEC); teacher recruitment and retention; teacher training and continuing professional development (upgrading); and parental involvement. These issues point to leadership at various levels, whether in its exercise or in its influence, and are examined within and across national and regional education systems. Particular attention is given to debates around improving outcomes for students, teacher development and the role of the principal in leading school improvement. A source of debate about practice of school leadership in the Caribbean surrounds the issue of gender. Where are men in teaching? Where are men in leadership positions and positions of responsibility? Unlike in some countries where, for example, men tend to hold more leadership positions than women, especially at the secondary phase of education, in the Caribbean this is not the case: there are more female teachers at every level and more female teachers occupy leadership positions at every level. Within this book, gendered leadership as practised and enacted in the Caribbean is examined from religious, social, historical and political positions, pointing to a clear political dichotomy. There is no unitary definition of what can count as school leadership in the Caribbean, despite clear similarities of practices and approaches. What this volume argues, however, is that within the Caribbean region there are many similarities of experience for the practice and exercise of school leadership which draw on a common framework of teacher training, a common language and a common socio-political history that existed well before the formation of CARICOM through British colonisation. This book does not dwell on the period of British colonisation but discusses the extent to which this period in Caribbean history has influenced the practice of school leadership today, most notably in areas such as curricular and teacher training models. Education in emergency situations, such as teaching and learning in severe weather conditions such as hurricanes, is also spotlighted. As a whole, the themes in this edited volume proffer an evidence-based approach to contemporary issues in school leadership in the Caribbean and extend the current literature in the field.

Hazards associated with animal feed

Statistics of Earth Science Data

Cold Pressed Oils

1867-1907

The United States in the Caribbean

From the reviews: "All in all, Graham Borradaile has written an interesting and idiosyncratic book on statistics for geoscientists that will be welcome among students, researchers, and practitioners dealing with orientation data. That

should include engineering geologists who work with things like rock fracture orientation measurements or clast alignment in paleoseismic trenches. It won't replace the collection of statistics and geostatistics texts in my library, but it will have a place among them and will likely be one of several references to which I turn when working with orientation data.... The text is easy to follow and illustrations are generally clear and easy to read..."(William C. Haneberg, Haneberg Geoscience)

This is the first book on multivariate analysis to look at large data sets which describes the state of the art in analyzing such data. Material such as database management systems is included that has never appeared in statistics books before.

Cold Pressed Oils: Green Technology, Bioactive Compounds, Functionality, and Applications creates a multidisciplinary forum of discussion on recent advances in chemistry and the functionality of bioactive phytochemicals in lipids found in cold pressed oils. Chapters explore different cold pressed oil, focusing on cold press extraction and processing, composition, physicochemical characteristics, organoleptic attributes, nutritional quality, oxidative stability, food applications, and functional and health-promoting traits. Edited by a team of experts, the book brings a diversity of developments in food science to scientists, chemists, nutritionists, and students in nutrition, lipids chemistry and technology, agricultural science, pharmaceuticals, cosmetics, nutraceuticals and many other fields. Thoroughly explores novel and functional applications of cold pressed oils Shows the difference between bioactive compounds in cold pressed oils and oils extracted with other traditional methods Elucidates the stability of cold pressed oils in comparison with oils extracted using other traditional methods

Encyclopedia of Reproduction, Second Edition comprehensively reviews biology and abnormalities, also covering the most common diseases in humans, such as prostate and breast cancer, as well as normal developmental biology, including embryogenesis, gestation, birth and puberty. Each article provides a comprehensive overview of the selected topic to inform a broad spectrum of readers, from advanced undergraduate students, to research professionals. Chapters also explore the latest advances in cloning, stem cells, endocrinology, clinical reproductive medicine and genomics. As reproductive health is a fundamental component of an individual's overall health status and a central determinant of quality of life, this book provides the most extensive and authoritative reference within the field. Provides a one-stop shop for information on reproduction that is not available elsewhere Includes extensive coverage of the full range of topics, from basic, to clinical considerations, including evolutionary advances in molecular, cellular, developmental and clinical sciences Includes multimedia and interactive teaching tools, such as downloadable PowerPoint slides, video content and interactive elements, such as the Virtual Microscope

The Environment and Science and Technology Education
School Leadership in the Caribbean
Silica Membranes: Preparation, Modelling, Application, and Commercialization
Advances in Gram-Positive Bacteria Research and Treatment: 2013 Edition
Sustainable Materials and Systems for Water Desalination
Diseases of Poultry

This book is a printed edition of the Special Issue "Environmentally Sustainable Livestock Production" that was published in Sustainability

The Soil Conservation Service (SCS) curve number (CN) method is one of the most popular methods for computing the runoff volume from a rainstorm. It is popular because it is simple, easy to understand and apply, and stable, and accounts for most of the runoff producing watershed characteristics, such as soil type, land use, hydrologic condition, and antecedent moisture condition. The SCS-CN method was originally developed for its use on small agricultural watersheds and has since been extended and applied to rural, forest and urban watersheds. Since the inception of the method, it has been applied to a wide range of environments. In recent years, the method has received much attention in the hydrologic literature. The SCS-CN method was first published in 1956 in Section-4 of the National Engineering Handbook of Soil Conservation Service (now called the Natural Resources Conservation Service), U. S. Department of Agriculture. The publication has since been revised several times. However, the contents of the methodology have been nonetheless more or less the same. Being an agency methodology, the method has not passed through the process of a peer review and is, in general, accepted in the form it exists. Despite several limitations of the method and even questionable credibility at times, it has been in continuous use for the simple reason that it works fairly well at the field level.

Agricultural Compendium: For Rural Development in the Tropics and Subtropics focuses on the development of rural resources in the tropics and subtropics, as well as climate, water control, and animal production. The book first offers information on climate and soil and land classification. Topics include phenomena relevant to agricultural meteorology, classification of climate, parent materials of soils, soil fertility and description, land evaluation, and systems of soil classification. The text then takes a look at geodesy, as well as aerial photography, instruments and accessories, measuring methods, and calculation of surfaces. The publication elaborates on water control and land improvement, including surface water and groundwater hydrology, drainage, irrigation, land clearing and leveling, reclamation of saline and alkali soils, and soil improvement. The text then examines agriculture, animal production, fisheries, and farm economics. The manuscript is highly recommended for agriculturists and readers interested in the development of rural resources in the tropics and subtropics.

Azospirillum is a plant growth promoting rhizobacterium used for inoculation of cereal and forage crops. The book covers its physiology, ecology, biochemistry, and molecular biology. The most advanced molecular techniques to understand the regulatory mechanisms of nitrogen fixation and ammonia assimilation, as well as the basis of phytohormone production, are included. In particular, the identification of novel types of promoters, specific regulatory circuits, and new regulatory proteins is described. New insights in the plant growth promoting role of the bacteria through the analysis of their interactions with the plant are presented. Also discussed are field applications, allowing the evaluation of the physiological and agronomic involvement of Azospirillum inoculations.

CXC

Salmonella in Domestic Animals

Artificial Insemination in Farm Animals

Soil Conservation Service Curve Number (SCS-CN) Methodology

Geographic Volume International Organization Participation; Country Directory of Secretariats and Membership

Proceedings of the First International Conference, ADOP 2021, St. Petersburg, Russia, June 7-9, 2021

Assessing Ecological Risks of Biotechnology presents a comprehensive analysis of ecological risk assessment for biotechnology as viewed predominantly by scientists doing research in this area, but also by regulators, philosophers, and research managers. The emphasis is on the ecological risks associated with the release of genetically engineered organisms into the environment. The book contains 17 chapters that are organized into four parts. Part I discusses the ecological experience gained from previous biological introductions. Part II explores the ecology and the genetics of microbial communities. Emphasis is given to the transport of microorganisms since one of the major ecological concerns about biotechnology is the danger of the spread of genetically engineered organisms to ecosystems other than the one to which they are released. Part III reviews mathematical models that can be used for ecological risk assessment at four different levels. Part IV concerns the regulation of biotechnology, current research trends, and social values.

Green Sustainable Process for Chemical and Environmental Engineering and Science: Microbially-Derived Biosurfactants for Improving Sustainability in Industry explores the role biosurfactants may play in providing more sustainable, environmentally benign, and economically efficient solutions for mitigating challenges experienced in the industrial sector. Sections cover an introduction to their production and review their application across a broad range of industry applications, from polymer and biofuel production to lubrication and corrosion protection. Drawing on the knowledge of its expert team of global contributors, the book provides useful insights for all those currently or potentially interested in developing or applying biosurfactants in their own work. As awareness and efforts to develop greener products and processes continue to grow in the chemistry community, biosurfactants are garnering much attention for the potential roles they can play, both in reducing the use and production of more toxic products and as tools for addressing existing problems. Highlights effective bioprocessing techniques, bioprocessing, agrowaste, and factors affecting production Reflects on differing strains of fungi, bacteria, actinomycetes and yeast, and reviews

genetic modification of such strains for enhanced biosurfactant production Explores the use of biosurfactants across a broad range of industrial applications

This 8-page fold-out leaflet, practical for use in the field and easy to read, covers the subject of making banana chips and flour. It gives some background information on the subject, outlines the relevant processes and provides tips, tables and explanatory line drawings.

This three-part course takes into account recent changes and provides a base for the CXC examination.

Making banana chips and flour

Yearbook of International Organizations

Agriculture Digitalization and Organic Production

Linear Models in Statistics

Plant Proteins

Bulletin

Inspire students to enjoy literature while helping them to prepare effectively for the CSEC® examination; ensure coverage of all prescribed poems for the revised CSEC® English A and English B syllabuses with an anthology that has been compiled with the approval of the Caribbean Examinations Council by Editors who have served as CSEC® English panel members. - Stimulate an interest in and enjoyment of literature with a wide range of themes and subjects, a balance of well-known texts from the past and more recent works, as well as stories from the Caribbean and the rest of the world. - Support understanding with notes on each text and questions to provoke discussion, and a useful checklist to help with literary analysis. - Consolidate learning with practical guidance on how to tackle examination questions including examples of model answers for reference.

Dairy Foods: Processing, Quality, and Analytical Techniques provides comprehensive knowledge on the different factors involved in the development and safety precautions behind dairy foods, including special references to both theoretical and practical aspects. The book presents relevant information about the quality of dairy foods, including raw milk quality, predictive microbiology and risk analysis, food defense and food fraud. In addition, it looks into environmental aspects and consumer perception and goes on to cover methods and practices to process dairy products and analytical techniques behind dairy product development. Techniques explored include time domain magnetic resonance, thermal analysis and chemometric methods. This will be a valuable resource for researchers and practitioners in the dairy industry, as well as students in dairy science courses. Offers a comprehensive accounting on the latest analytical methods used in the dairy industry Focuses on the processing of dairy foods, including emerging and novel dairy products with low sodium and sugar contents

Sourced from a team of editors with relevant expertise in dairy food processing

Plant Proteomics highlights rapid progress in this field, with emphasis on recent work in model plant species, sub-cellular organelles, and specific aspects of the plant life cycle such as signaling, reproduction and stress physiology. Several chapters present a detailed look at diverse integrated approaches, including advanced proteomic techniques combined with functional genomics, bioinformatics, metabolomics and molecular cell biology, making this book a valuable resource for a broad spectrum of readers.

The essential introduction to the theory and application of linear models—now in a valuable new edition Since most advanced statistical tools are generalizations of the linear model, it is necessary to first master the linear model in order to move forward to more advanced concepts.

The linear model remains the main tool of the applied statistician and is central to the training of any statistician regardless of whether the focus is applied or theoretical. This completely revised and updated new edition successfully develops the basic theory of linear models for regression, analysis of variance, analysis of covariance, and linear mixed models. Recent advances in the methodology related to linear mixed models, generalized linear models, and the Bayesian linear model are also addressed. *Linear Models in Statistics, Second Edition* includes full coverage of advanced topics, such as mixed and generalized linear models, Bayesian linear models, two-way models with empty cells, geometry of least squares, vector-matrix calculus, simultaneous inference, and logistic and nonlinear regression. Algebraic, geometrical, frequentist, and Bayesian approaches to both the inference of linear models and the analysis of variance are also illustrated. Through the expansion of relevant material and the inclusion of the latest technological developments in the field, this book provides readers with the theoretical foundation to correctly interpret computer software output as well as effectively use, customize, and understand linear models. This modern Second Edition features: New chapters on Bayesian linear models as well as random and mixed linear models Expanded discussion of two-way models with empty cells Additional sections on the geometry of least squares Updated coverage of simultaneous inference The book is complemented with easy-to-read proofs, real data sets, and an extensive bibliography. A thorough review of the requisite matrix algebra has been added for transitional purposes, and numerous theoretical and applied problems have been incorporated with selected answers provided at the end of the book. A related Web site includes additional data sets and SAS® code for all numerical examples. *Linear Model in Statistics, Second Edition* is a must-have book for courses in statistics, biostatistics, and mathematics at the upper-undergraduate and graduate levels. It is also an invaluable reference for researchers who need to gain a better understanding of regression and analysis of variance.

Genetics □ Physiology □ Ecology

Green Technology, Bioactive Compounds, Functionality, and Applications

Assessing Ecological Risks of Biotechnology

A Geographical Introduction to History

Environmentally Sustainable Livestock Production

Current Trends and Future Developments on (Bio-) Membranes

Sustainable Food Production Practices in the Caribbean addresses the issue of sustainable agriculture from a practical perspective. Although the scientific and technological aspects are given attention, the authors use their accumulated research and experiences to focus on tested, simple production systems and practices that sustain soil fertility, ecosystems and water resources; they consistently advocate crop and livestock production techniques that require an agro-ecological approach, aimed at the efficient use of water, chemicals and pesticides and the preservation of the region's soils. This volume fills a void in this important Caribbean development: from the large scale farming organizations to the small farming communities that are the backbone of agriculture in the region; from undergraduates at the newly energized Faculty of Food and Agriculture at the University of the West Indies, St Augustine campus and other tertiary agriculture training institutions around the region to a young generation who now have the opportunity to sit for the new examination in Food and the Environment offered by the Caribbean Examinations Council.

Council at advanced (CAPE) certificate level. This book will also be a useful tool for agriculture extension officers and others who are called upon to provide advice and leadership in the promotion of sustainable food production in the Caribbean. The chapters in Sustainable Food Production Practices are comprehensive in their coverage of issues that go beyond primary production to include often neglected areas such as post harvest, quality assurance, local regional and international production methods and systems and sustainable nutritional practices. Throughout, the emphasis is on simple, jargon-free descriptions, instructions and recommendations, supported by a variety of charts, tables and numerous full-colour photographs which richly illustrate key elements of the text.

Artificial insemination is used instead of natural mating for reproduction purposes and its chief priority is that the desirable characteristics of a bull or other male livestock animal can be passed on more quickly and to more progeny than if the animal is mated with females in a natural fashion. This book contains under one cover 16 chapters of concise, up-to-date information on artificial insemination in buffalos, ewes, pigs, swine, sheep, goats, pigs and dogs. Cryopreservation effect on sperm count, fertility, new method and diagnostic test in semen analysis, management factors affecting fertility after cervical insemination, of non-infectious nature affecting the fertility, fatty acids effects on reproductive performance of ruminants, particularly artificial insemination, sperm preparation techniques and reproductive endocrinology diseases are described. This book also covers the advantages and disadvantages of using AI, the various methodologies used in different species, and how AI can be used to improve reproductive efficiency in farm animals.

A science course for students in Caribbean primary schools. Developed to fulfil the requirements of primary science curricula throughout the region, it also includes separate teacher's guides, with background information, teaching notes and suggestions for remedial and extension activities.

Originally published between 1920-70, The History of Civilization was a landmark in early twentieth century publishing. It was published at a formative time within the social sciences, and during a period of decisive historical discovery. The aim of the editor, C.K. Ogden, was to summarize the most up to date findings and theories of historians, anthropologists, archaeologists and sociologists. This reprinted material is available as a set or in the following groupings: * Prehistory and Historical Ethnology Set of 12: 0-415-15611-4: £800.00 * Greek Civilization Set of 7: 0-415-15612-2: £450.00 * Roman Civilization Set of 6: 0-415-15613-1: £400.00 * Eastern Civilizations Set of 10: 0-415-15614-9: £650.00 * Judaeo-Christian Civilization Set of 4: 0-415-15615-7: £300.00 * European Civilization Set of 11: 0-415-15616-5: £700.00

A World of Prose

Third Edition

Education in the Commonwealth Caribbean and Netherlands Antilles

Plant Proteomics

ScholarlyBrief

Sustainable Food Production Practices in the Caribbean

The need for feed for terrestrial and aquatic animals continues to rise with the increasing demand for foods of animal origin; however, the challenge is not only to meet the growing need for feed but also to ensure its safety and thus contributing to the safety of the entire food chain. Feed safety incorporates the impact on human as well as animal health and welfare, which, in turn, can affect productivity. Hazards in feed may be inherent to feed ingredients as well as introduced during feed production, processing, handling, storage, transportation, and use. Hazards in feed may also result from accidental or deliberate human intervention. The expert meeting reviewed and discussed potential hazards in feed of chemical, biological and physical origin. It addressed hazards, as well as their occurrence in feed are described, and transfer from feed to food, relevance for food safety, impact on animal health, and emerging issues and trends. In addition, specific consideration was given to feed and products of feed production technologies of increasing relevance, for instance insects, former food and food processing by-products, biofuels (bioethanol and biodiesel) by-products, aquatic plants and marine resources.

The most complete and definitive reference to all aspects of poultry diseases, *Diseases of Poultry*, Fourteenth Edition has been fully revised and updated to offer a comprehensive survey of current knowledge. Updates the definitive reference of poultry health and disease Provides more clinically relevant information on management of specific diseases, contributed by clinical poultry veterinarians Offers information on disease control in organic and antibiotic-free production Presents more concise, streamlined chapters for ease of use Incorporates advances in the field, from new diagnostic tools and information to changes brought about by the increasing globalization and the re-emergence of zoonotic pathogens

Advances in Gram-Positive Bacteria Research and Treatment: 2013 Edition ScholarlyBrief ScholarlyEditions

This book features selected papers presented at the First International Conference on Agriculture Digitalization and Organic Production (ADOP 2021), held in St. Petersburg, Russia, on June 07–09, 2021. The contributions, written by professionals, researchers and students, cover topics in the field of agriculture, biology, robotics, information technology and economics for solving urgent problems in digitalization of organic livestock and crop production. The conference is organized by the St. Petersburg Federal Research Center of the Russian Academy of Sciences (SPC RAS) and the Technische Universitat Kaiserslautern. The book will be useful to researchers of interdisciplinary issues of digitalization and robotization of agricultural production, as well as farmers and commercial companies, which introduce new technologies in crop production and animal husbandry. The book also covers a range of issues related to scientific training of graduate students in the areas of "Mechatronics and robotics", "Control in technical systems" and "Technologies, means mechanization and energy equipment in rural, forestry and fisheries".

Their Distribution in Time, Space and Orientation

A Caribbean Examinations Council Study Guide

Green Sustainable Process for Chemical and Environmental Engineering and Science

Encyclopedia of Reproduction

Report of the Commissioner of Education Made to the Secretary of the Interior for the Year ... with Accompanying Papers

Agricultural Science