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## Access PDF Agricultural Sciences Paper 2014 Term 2 Grade 12

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**KEY=AGRICULTURAL - JAELYN HARRINGTON**

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## Study and Master Agricultural Sciences Grade 12 CAPS Teacher's File

*Cambridge University Press* **Study & Master Agricultural Sciences Grade 12** has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Agricultural Sciences.

## CTET Success Master Social Science Paper 2 for Class 6 to 8 for 2021 Exams

*Arihant Publications India limited* **1.Success Master Study Guides** focus in the preparation of CTET teaching Exam **2.This book deals with CTET Mathematics and Science Paper - 2 (Classes 6-8) 3.Divided into 5 main Sections** completely prepared on the latest exam pattern. **4.Provides Previous years' Solved Papers, 2 Practice Sets and more than 3000 MCQs** are given for thorough practice. CTET provides you with an opportunity to make a mark as an educator while teaching in Central Government School. Prepared as per National Curriculum Framework, here's representing the updated edition of "Success Master CTET Social Science/Studies Paper II (Class VI-VIII)" that serves as a study guide for the candidates who are willing to appear for the exam this year. The book provides focused study material dividing the entire syllabus into 5 majors providing the complete coverage. With more than 3000 MCQs are provided for the quick revision of the concepts. Chapterwise coverage of the previous Years questions along with the Trend Analysis help aspirants for better preparation. Lastly, Solved Paper 2021 & 2 Practice Sets are given leaving no stones untouched. Preparation done from this book proves to be highly useful for CTET Paper 1 in achieving good rank in the exam. TOC Solved Paper 2021 (January), Solved Paper 2019 (December), Solved Paper 2019 (July), Solved Paper 2018 (December), Solved Paper 2016, Child Development and Pedagogy, English Language and Pedagogy, Hindi Bhasha evm Shiksha-shastra, Social Science/ Studies and Pedagogy, Pedagogy, Practice Sets.

## 2014-2015 Global Food Policy Report

*Intl Food Policy Res Inst* **This 2014-2015 Global Food Policy Report** is the fourth in an annual series that provides a comprehensive overview of major food policy developments and events. In this report, distinguished researchers, policymakers, and practitioners review what happened in food policy in 2014 at the global, regional, and national levels, and—supported by the latest knowledge and research—explain why. This year's report is the first to also look forward a year, offering analysis of the potential opportunities and challenges that we will face in achieving food and nutrition security in 2015.

## Oswaal CBSE Term 2 English, Science, Social Science & Math (Standard) Class 10

## Sample Question Paper + Question Bank Chapterwise (Set of 8 Books) (For Term-2 2022 Exam)

*Oswaal Books and Learning Private Limited* Oswaal CBSE Term 2 Sample Paper Class 10 English Science Social Science Math Standard 2022 Includes 10 Sample Papers. 5 solved & 5 Self-Assessment Papers for Term 2 Board Exams March-April 2022 The CBSE Term 2 Sample Paper Class 10 English, Science, Social Science & Math(Standard) 2022 Include all latest typologies of Questions as specified in the latest CBSE Board Sample Paper for Term 2 Board Exams Released on 14th January 2022 These CBSE Term 2 Books Class 10 English, Science, Social Science & Math(Standard) 2022 Comprise On-Tips Notes & Revision Notes for Quick Revision Oswaal CBSE Term 2 Sample Papers Class 10 English, Science, Social Science & Math(Standard) 2022 Include Mind Maps For Better Learning These CBSE Term 2 Sample Papers Class 10 English, Science, Social Science & Math(Standard) 2022 | CBSE Term 2 Books Class 10 English, Science, Social Science & Math(Standard) 2022 Help to Prepare Better for Term 2 Board Exams 2022 Get Free E-Assessments of Oswaal 360 based on the latest Typologies of Questions as per CBSE Term-II syllabus

## Oswaal CBSE Term 2 English, Science, Social Science & Maths Basic Class 10 Sample Question Paper + Question Bank Chapterwise (Set of 8 Books) (For Term-2 2022 Exam) Free Access Code For Oswaal360

*Oswaal Books and Learning Private Limited* Oswaal CBSE Term 2 Sample Paper Class 10 English, Science, Social Science & Math(Basic) 2022 Includes 10 Sample Papers. 5 solved & 5 Self-Assessment Papers for Term 2 Board Exams March-April 2022 The CBSE Term 2 Sample Paper Class 10 English, Science, Social Science & Math(Basic) 2022 Include all latest typologies of Questions as specified in the latest CBSE Board Sample Paper for Term 2 Board Exams Released on 14th January 2022 These CBSE Term 2 Books Class 10 English, Science, Social Science & Math(Basic) 2022 Comprise On-Tips Notes & Revision Notes for Quick Revision Oswaal CBSE Term 2 Sample Papers Class 10 English, Science, Social Science & Math(Basic) 2022 Include Mind Maps For Better Learning These CBSE Term 2 Sample Papers Class 10 English, Science, Social Science & Math(Basic) 2022 | CBSE Term 2 Books Class 10 English, Science, Social Science & Math(Basic) 2022 Help to Prepare Better for Term 2 Board Exams 2022 Get Free E-Assessments of OSWAAL 360 based on the latest Typologies of Questions as per CBSE Term-II syllabus

## History of Meat Alternatives (965 CE to 2014)

## Extensively Annotated Bibliography and Sourcebook

*Soyinfo Center* The world's most comprehensive, well documented and well illustrated book on this subject. With extensive index. 435 color photographs and illustrations. Free of charge in digital PDF format on Google Books.

## UPSC: CSAT General Studies Paper-II Solved Paper 2011-2021

*Prabhat Prakashan* 9789354881060 | The presented book aim to provide comprehensive, lucid and practice-oriented solutions, This edition is in-sync with the latest examination pattern for CSAT. The presented book covers the questions of the UPSC Civil Service Examination of General Studies in year -wise Solved Papers of the last 11 years CSAT (2011-2021). All chapters have been prepared according to the previous year's UPSC Civil Service Prelims Paper- II. This book helps in gaining good grades in the CSAT Paper -2 and will take you to next stage of UPSC CSE exam. Recommended by Faculties and Read by UPSC Toppers.

## UPSC CSAT General Studies Paper-II (Civil Services Aptitude Test Solved Papers 2011-2022)

*Prabhat Prakashan* **UPSC CSAT General Studies Paper-II (Civil Services Aptitude Test Solved Papers 2011-2022) Book Description • Book Name - UPSC CSAT General Studies Paper-II Civil Services Aptitude Test Solved Papers 2011-2022 • Examination - UPSC Prelim General Studies Paper 2 • Test - General Comprehension, Reasoning and Mental Ability, Quantitative Ability Focus • Analyzing the pattern of examination • Checking the frequency of topics Book Features • Last 12 Years' of Solved Papers from 2022 to 2011 • Answers compiled with explanations • Lucid language usage • Easy and thorough learning** This book focuses on providing an insight into the level of examination, thereby instilling confidence in the aspirants. With provision of collection of ample last years' solved papers, the student can prepare well without hassle and anxiety. Last years' examination question papers are also useful in predicting the upcoming questions. On solving each question paper, the students can recognize what concepts are difficult in order to work on them more. Therefore, this book also carries features of Revision and Self-Assessment present in these papers. Solving the papers will enable the aspirants to gauge their progress as well as prepare accordingly on simple and complex topics simultaneously, and thus scoring well.

## New Microbial Inoculants for Enhancing Fermentation Quality of Silage

*Frontiers Media SA*

## Recent Investigations of Ergot Alkaloids Incorporated into Plant and/or Animal Systems

*Frontiers Media SA* **Ergot alkaloids produced by fungi have a basic chemical structure but different chemical moieties at substituent sites result in various forms of alkaloids that are distinguishable from one another. Since the ergoline ring structure found in ergot alkaloids is similar to that of biogenic amines (neurotransmitters), a variety of physiological effects can result after ingestion. Research involving ergot alkaloids is an increasing important global issue as more governments pass laws that limit permissible levels of ergot alkaloids in both foodstuffs and feedstuffs. Regardless of whether these compounds are found directly in foodstuffs or in feed/plants given to forage animals (i.e., cattle, horses, sheep, and goats), introduction of these compounds can complicate the food supply. In addition, toxicosis resulting from alkaloids can be a costly hindrance, with mounting annual production losses associated with forage-animal production systems that impact other agricultural and food based industries. Recent advances for the analysis of these compounds in different matrices as well as the understanding the role these compounds play in distinct biological pathways have begun to help address the issue. This Research Topic "Recent Investigations of Ergot Alkaloids Incorporated into Plant and/or Animal Systems" has developed a novel platform where different groups share recent data in their investigations with ergot alkaloids. The presented collection of articles emphasizes the complexity of this issue and the multiple approaches necessary to resolve the global ergot alkaloid challenges.**

## 2017 The State of Food and Agriculture

### Leveraging food systems for inclusive rural transformation

*Food & Agriculture Org.* **One of the greatest challenges today is to end hunger and poverty while making agriculture and food systems sustainable. The challenge is daunting because of continued population growth, profound changes in food demand, and the threat of mass migration of rural youth in search of a better life. This report presents strategies that can leverage the potential of food systems to become the engine of inclusive economic development and rural prosperity in low-income countries. It analyses the structural and rural transformations now under way, and examines the opportunities and challenges they present to millions of small-scale food producers. It shows how an "agroterritorial" planning approach, focused on connecting cities and towns and their surrounding rural areas, combined with agro-industrial and infrastructure development can generate income**

opportunities throughout the food sector and underpin sustainable and inclusive rural transformation.

## Higher Education, Stratification, and Workforce Development Competitive Advantage in Europe, the US, and Canada

*Springer* This work analyses how political economic shifts contribute to competition within higher education systems in the US, EU, and Canada. The authors highlight competition for prestige and public and private subsidies, exploring the consequences of these processes through theoretical and empirical analyses. Accordingly, the work highlights topics that will be of interest to a wide range of audiences. Concepts addressed include stratification, privatization of formerly public subsidies, preference for “high tech” academic fields, and the vocationalization of the curriculum (i.e., Science, Technology, Engineering and Mathematics: [STEM] fields, selected professions, and business) rather than the liberal arts or the Humboldtian vision of the university. Across national contexts and analytic methods, authors analyze the growth of national policies that see universities as a sub set of economic development, casting universities as corporate research laboratories and education as central to job creation. Throughout the volume, the authors make the case that national and regional approaches to politics and markets result in different experiences of consequences of academic capitalism. While these shifts serve the interests of some institutions, others find themselves struggling to meet ever-greater expectations with stagnant or shrinking resource bases.

## Arihant CBSE Science Term 2 Class 10 for 2022 Exam (Cover Theory and MCQs)

*Arihant Publications India limited* With newly introduced 2 Term Examination Pattern, CBSE has eased out the pressure of preparation of subjects and cope up with lengthy syllabus. Introducing, Arihant’s CBSE TERM II - 2022 Series, the first of its kind that gives complete emphasize on the rationalize syllabus of Class 10th & 12th. The all new “CBSE Term II 2022 - Science” of Class 10th provides explanation and guidance to the syllabus required to study efficiently and succeed in the exams. The book provides topical coverage of all the chapters in a complete and comprehensive manner. Covering the 50% of syllabus as per Latest Term wise pattern 2021-22, this book consists of: 1. Complete Theory in each Chapter covering all topics 2. Case-Based, Short and Long Answer Type Question in each chapter 3. Coverage of NCERT, NCERT Exemplar & Board Exams’ Questions 4. Complete and Detailed explanations for each question 5. 3 Practice papers base on entire Term II Syllabus. Table of Content Carbon and its compounds, Periodic Classification of Elements, How do Organisms Reproduce?, Heredity and Evolution, Electricity, Magnetic Effects and Electric Current, Our Environment, Practice Paper (1-3).

## Arihant CBSE Term 1 Political Science Sample Papers Questions for Class 12 MCQ Books for 2021 (As Per CBSE Sample Papers issued on 2 Sep 2021)

*Arihant Publications India limited* This year has witness major changes in the field of academics; where CBSE’s reduced syllabus was a pleasant surprise while the introduction of 2 Term exam pattern was little uncertain for students, parents and teachers as well. Now more than ever the Sample Papers have become paramount importance of subjects with the recent changes prescribed by the board. Give final punch to preparation for CBSE Term 1 examination with the all new edition of ‘Sample Question Papers’ that is designed as per CBSE Sample Paper that are issued on 02 Sept, 2021 for 2021 - 22 academic session. Encouraging with the motto of ‘Keep Practicing, Keep Scoring’, here’s presenting Sample Question Paper - Applied Political Sciences for Class 12th that consists of: 1. 10 Sample Papers along with OMR Sheet for quick revision of topics. 2. One Day Revision Notes to recall the concepts a day before exam 3. Latest CBSE Sample Paper along with detailed answers are provided for better understanding of subject. TOC One Day Revision, The Qualifiers, Latest CBSE Sample Paper, Sample Paper (1- 10).

## Super 10 Mock Tests for IAS Prelims General Studies Paper 2 (CSAT) Exam - 2nd Edition

*Disha Publications*

## Research & Teaching Aptitude Paper-I

*YOUTH COMPETITION TIMES 2022-23 NTA UGC-NET/JRF Vol.-2 Research & Teaching Aptitude Paper-I Chapter-wise Solved Papers*

## Antimicrobial Peptides: Molecular Design, Structure Function Relationship and Biosynthesis Optimization

*Frontiers Media SA*

## Errorless 12 Years UPPSC General Studies Prelim Papers 1 & 2 Solved Papers (2010 - 21) 3rd Edition

*Disha Publications* Errorless 12 Years UPPSC General Studies Prelim Papers 1 & 2 Solved Papers (2010 - 21) consists of past 12 years Solved papers of Uttar Pradesh PSC Exam Paper 1 from 2010 - 2021 along with 6 Prelim Paper 2 from 2016 - 2021. In all the book contains 1900+ MCQs with detailed explanations. The USP of the book is the detailed explanation of each question. The answer key has been verified with the UPPSC. The book is also useful for UPSC and other PSC Exams.

## Oswaal CBSE Question Bank, Social Science, Class 10, Reduced Syllabus (For 2021 Exam)

*Oswaal Books and Learning Pvt Ltd* Some of the key benefits of studying from Oswaal Question Banks are: • Chapter-wise/ Topic-wise presentation for systematic and methodical study • Strictly based on the Reduced CBSE Curriculum issued for Academic Year 2020-2021, following the latest NCERT Textbook and Exemplar • Previous Years' Question Papers with Marking Scheme & Toppers' Answers for exam-oriented study • Remembering, Understanding, Application, Analysing & Evaluation and Creation Based Question based on Bloom's Taxonomy for cognitive skills development • Latest Typologies of Questions developed by Oswaal Editorial Board included • Mind Maps in each chapter for making learning simple • 'Most likely Questions' generated by Oswaal Editorial Board with 100+ years of teaching experience • Suggested videos at the end of each chapter for a Hybrid Learning Experience  
**IMPORTANT FEATURES OF THE BOOK:** Self-Study Mode • Chapter wise/Topic wise Previous Years' Board Examination Questions to facilitate focused study • Latest Board solved paper along with Marking Scheme and Handwritten Topper's Answers for practice Exam Preparatory Material • Answers of CBSE Marking Scheme up to March 2019 Exam with detailed explanations to score full marks in exams • Answering Tips & Commonly Made Errors for clearer thinking All-In-One • Revision notes, Mind Maps & Grammar charts facilitate quick revision of chapters • NCERT & Oswaal 150+ concept videos for digital learning

## Food Price Volatility and Its Implications for Food Security and Policy

*Springer* This book provides fresh insights into concepts, methods and new research findings on the causes of excessive food price volatility. It also discusses the implications for food security and policy responses to mitigate excessive volatility. The approaches applied by the contributors range from on-the-ground surveys, to panel econometrics and innovative high-frequency time series analysis as well as computational economics methods. It offers policy analysts and decision-makers guidance on dealing with extreme volatility.

## Remote Sensing Handbook - Three Volume Set

*CRC Press* A volume in the three-volume Remote Sensing Handbook series, Remote Sensing of Water Resources, Disasters, and Urban Studies documents the scientific and methodological advances that have taken place during the last 50 years. The other two volumes in the series are Remotely Sensed Data Characterization, Classification, and Accuracies, and Land Reso

## Land Resources Monitoring, Modeling, and Mapping with Remote Sensing

*CRC Press* A volume in the three-volume Remote Sensing Handbook series, Land Resources Monitoring, Modeling, and Mapping with Remote Sensing documents the scientific and methodological advances that have taken place during the last 50 years. The other two volumes in the series are Remotely Sensed Data Characterization, Classification, and Remo

## Class and Conflict

## Revisiting Pranab Bardhan's Political Economy of India

*Oxford University Press* In 1984, Pranab Bardhan published his classic work *The Political Economy of Development in India*. It went on to become one of the most influential references on the political economy of development in the pre-reform period of independent India. *Class and Conflict* reflects on the enduring influence of Bardhan's original publication in the context of post-liberalization developments in India. Drawing on their own world-leading research, the contributors to this volume engage with a wide range of issues, such as whether big business dominates India today, how subsidies retard economic growth, and how the middle classes are transforming politics. Together they try to answer the big question: what has really changed in the political and economic climate of the country over the last 30 years? Exploring the continuities and changes that have characterized India's political economy since 1984, this volume takes stock of the main challenges of India's economic development today. It contributes to current debates on economic growth, crony capitalism, agrarian crisis, the politics of class and caste, and the role of the state in a liberalizing economy.

## Food Science

*Jones & Bartlett Learning* *Food Science: An Ecological Approach* presents the field of food science—the study of the physical, biological, and chemical makeup of food, and the concepts underlying food processing—in a fresh, approachable manner that places it in the context of the world in which we live today.

## Computer and Computing Technologies in Agriculture IX

## 9th IFIP WG 5.14 International Conference, CCTA 2015, Beijing, China, September 27-30, 2015, Revised Selected Papers, Part II

*Springer* The two volumes IFIP AICT 478 and 479 constitute the refereed post-conference proceedings of the 9th IFIP WG 5.14 International Conference on Computer and Computing Technologies in Agriculture, CCTA 2015, held in Beijing, China, in September 2015. The 122 revised papers included in this volume were carefully selected from 237 submissions. They cover a wide range of interesting theories and applications of information technology in agriculture, including intelligent sensing, monitoring and automatic control technology; key technology and models of the Internet of things; intelligent technology for agricultural equipment; computer vision; computer graphics and virtual reality; computer simulation, optimization and modeling; cloud computing and agricultural applications; agricultural big data; decision support systems and expert systems; 3s technology and precision agriculture; quality and safety of agricultural products; detection and tracing technology; and agricultural electronic commerce technology.

## Current Status and Trends in Urban Agriculture

*Frontiers Media SA*

## India Policy Forum 2016–17

*SAGE Publishing India* The India Policy Forum (IPF) is India's most prominent annual economic policy conference in the summer season of New Delhi and is organized by NCAER, the National Council of Applied Economic Research. The primary goal of the IPF is to promote original policy and empirical research on India, including policy-focused review articles that seek to define the best economic policy advice based on robust, empirical research. The annual IPF conference provides a unique combination of intense scholarship and expert commentary on commissioned research papers with a strong focus on policy. The revised papers and conference proceedings are published in this volume, including the comments of paper discussants and a summary of the floor discussion on each paper. This 2016-17 IPF volume brings together the papers presented at the 13th IPF Conference held on July 12-13, 2016. The paper by C. Badarinsa, V. Balasubramaniam, and T. Ramadorai presents for the first time an integrated perspective on the balance sheet of Indian households. The paper by R Nagaraj and T. N. Srinivasan unpacks the analytical and data issues underlying the controversy surrounding India's new GDP estimates. The paper by A. Adhvaryu, P. Bharadwaj, and S. Krumholz analyzes India's experience with child health and development, and suggests how policy and programs can be made more effective in this vital area. The paper by S. Chatterjee and D. Kapur raises troubling questions about the performance of Indian agriculture and highlights six puzzles, related among other things to the political economy, trade, and productivity of Indian agriculture. The final paper synthesizes knowledge and weighs the evidence from an array of studies on India's National Rural Employment Guarantee Scheme, the world's largest workfare program.

## Trends in Fish Processing Technologies

*CRC Press* The high market demand based on consumers' trust in fish as a healthy and nutritious food resource made fish processing a very dynamic industry, spurring many innovations in processing and packaging methods. Trends in Fish Processing Technologies not only reflects what is currently new in fish processing but also points out where things are heading in this area. This book provides an overview of the modern technologies employed by the industry. It details the advances in fish processing, including high pressure processing (HPP), pulsed electric field (PEF) treatment and minimally heat processing combined with microwave (MW) and radio-frequency (RF). It provides references to food safety management systems and food safety & quality indicators for processed fish in order to achieve an adequate level of protection. Quality aspects and molecular methods for the assessment of fish and fish products integrity are introduced. Fish products reformulation trends based on sustainability principles that tackles the reduction of salt content and the use of natural antimicrobials are presented. Innovative packaging solutions for fish products are explored, detailing intelligent packaging with freshness and time-temperature indicators, applications of modified packaging atmosphere, antimicrobial bio-nanocomposite packaging materials and biodegradable edible films used as primary fish packaging. In addition to covering the current advancements in fish processing the book discusses fraud, adulteration, fair trade practices, traceability and the need for added value, clean and

sustainable processing in the fish chain.

## Edible Oils

### Extraction, Processing, and Applications

*CRC Press* Global oilseeds industry is expected to expand in the future but would also constitute a platform for a variety of other products from processing waste such as protein meals and aromatic compounds. *Edible Oils: Extraction, Processing, and Applications* intends to present up to date technologies that are currently used for the extraction and refining of Edible Oils while proposing potential applications for its derivatives. This contribution pushes to consider market transformation driven by environmental concerns and customer's envy to bring quality attributes, energy efficiency and waste disposal into the heart of innovation. This work is aimed at professionals and academics including researchers, engineers and managers engaged in food and green engineering disciplines and ambitions to stand as a reference for students and lecturers. The readers will find a wealth of knowledge about the fundamentals of unit operations such as extraction and separation while presenting concepts of biorefinery for product and value creation from certain edible seeds. *Novelties* includes novel approaches for green solvent development in extraction, and examples of life cycle assessment of production systems for certain vegetable oils comprising product, service and waste management systems. Furthermore, this book focuses attention to production, processing, and current applications of palm oil, as an important commodity in Asia and addresses global market changes and important factors that influence its future prospects.

## Industrial Biorefineries and White Biotechnology

*Elsevier* *Industrial Biorefineries and White Biotechnology* provides a comprehensive look at the increasing focus on developing the processes and technologies needed for the conversion of biomass to liquid and gaseous fuels and chemicals, in particular, the development of low-cost technologies. During the last 3-4 years, there have been scientific and technological developments in the area; this book represents the most updated information and technological perspective on the topic. Provides information on the most advanced and innovative pretreatment processes and technologies for biomass Covers information on lignocellulosic and algal biomass to work on the principles of biorefinery Provides information on integration of processes for the pretreatment of biomass Designed as a textbook for both graduate students and researchers

## Educational Research and Schooling in Rural Europe

### An Engagement with Changing Patterns of Education, Space and Place

*IAP* This book provides authentic accounts of the effects of the revolutionary political reform experienced in the past half century on education in Europe's considerable rural hinterland. These reforms include the liberation of the Baltic and Eastern European states from Soviet communist domination, the 'eurozone' economic crises, and the current and future migration of people fleeing war and poverty from the Middle East and Africa. Overshadowing these events are so-called global forces which champion economies of scale and pressurize academic performance as keys to economic success. Trapped in this distal whirlwind of change are 1000s of small and/or rural elementary schools and the life chances of more 1000s of young children. The research presented here unveils the unseen and under-reported consequences of top-down, urban-oriented educational policies on children's and communities' experience of place and space. Exposure of these conditions in rural Europe is long overdue, but obscured for decades by political extremes of left and right. Yet, the lived reality of peremptory and swathing school closure programmes, and poverty inflicted on rural populations in parts of Eastern Europe is relatively unreported in the western educational literature - a situation exacerbated by the virtual invisibility of rural educational research generally. The chapters in this book reveal the insights of social science scholars from 11 European countries including those from low GDP, formerly soviet bloc countries, recently enabled to present their research at western European conferences such as the European Educational Research Association. Their research will inform and alert education academics, researchers and professionals to these rural European educational contexts. The research methodologies reported are diverse and innovative. The national context chapters are complemented by overview chapters which survey and synthesise (i) definitions and conceptualisations of rural, (ii) pan-European appraisal of educational, structural and geospatial statistics on small and rural schools, and (iii) identify key messages



for better understanding of the rural situation in European research, policy and practice. Crucially, despite the gloom, the authors report positive strategies for rural school survival at governmental and/or school and community levels, that include community involvement, rural educational tourism, and deliberative inter-community school network planning.

## The Wine Value Chain in China

# Global Dynamics, Marketing and Communication in the Contemporary Chinese Wine Market

*Chandos Publishing* **The Wine Value Chain in China: Global Dynamics, Marketing and Communication in the Contemporary Chinese Wine Market** presents information on China and its role as a relevant player in the international wine industry, both as supplier and consumer. The book provides new insights into the global dynamics of the wine industry, expanding the knowledge of academics, practitioners, and students on the growing demand for wine in China. Special attention is paid to the supply and demand changes, their impacts on Western wine supply chains, and new market opportunities. The book contributes the latest research findings to increase the understanding of the context of wine consumption in China and the most suitable marketing and communication approaches. The book aims to provide academics with the most adequate methodological tools to study a novice market, with both conceptual and empirical chapters included. The book covers a range of topics, including the behavior of Chinese consumers and their attitudes towards wine, the cultural context of wine in China, the characteristics of the wine supply chain in China and its development, the impact of China on Western wine supply chains, wine marketing and communication in China, wine branding in China, including counterfeiting, wine education in China, the links between wine, food, luxury, and Western products in China, and wine tourism. Collects and collates research on wine consumer behavior in China Presents an outstanding scholarly look at wine marketing studies Offers a whole market perspective that focuses on demand Provide academics, practitioners, and students with new investigation tools in marketing and communication that are in-line with the characteristics of this market Draw conclusions relevant to other emerging markets, detailing why China is different from other such markets

## Handbook on the Economics and Management of Sustainable Oceans

*Edward Elgar Publishing* **The trans-disciplinary thematic areas of oceans management and policy require stocktaking of the state of knowledge on ecosystem services being derived from coastal and marine areas. Recently adopted Sustainable Development Goals (SDGs) especially Goals 14 and 15 explicitly focus on this. This Handbook brings together a carefully chosen set of world-class contributions from ecology, economics, and other development science and attempts to provide policy relevant scientific information on ecosystem services from marine and coastal ecosystems, nuances of economic valuation, relevant legal and sociological response policies for effective management of marine areas for enhanced human well being. The contributors focus on the possible nexus of science-society and science-policy with the objective of informing on decision makers of the governmental agencies, business and industry and civil society in general with respect to sustainable management of Oceans.**

## Regulating Genetically Modified Crops in View of Environmental Risks

## China's Implementation of International Obligations

*Springer Nature* **This book analyzes international and Chinese regulatory approaches addressing environmental risks that may be caused by GM crops and examines how China implements its international obligations in its policies and laws. Using the legal doctrinal method, the book discusses the precautionary principle and the public involvement principle, as well as several legal measures at the international law level and in Chinese law. It observes that legal principles and measures as provided for in China's GMO legal framework have generally implemented the international obligations regarding the prevention of environmental risks that may be caused by the cultivation of GM crops and related activities. However, the book argues that Chinese law lacks an explicit codification of the precautionary principle, and the same is true with regard to public participation; the**

regulatory framework lacks specific obligations. It concludes that future research should focus on the application and enforcement of the relevant Chinese legislation, and that it is also important to investigate how the environmental risks that may be caused by new techniques, such as genome-editing techniques, could be prevented, given the experience gained by regulating the cultivation of GM crops and related activities.

## Epistemological Approaches to Digital Learning in Educational Contexts

*Routledge* **Epistemological Approaches to Digital Learning in Educational Contexts** is dedicated to topical issues in school education and pedagogical science related to the learning process in a technology and media enriched environment. It opens up discussions on the development of the educational science sector and strategies for smart pedagogy to promote synergy between technology and pedagogy to support students in the learning process. The book presents different perspectives on how to evaluate the enhancement of technology use, which can help improve Computational Thinking skills. It also helps in identifying the changes in pupils' algorithmic thinking through programming in Scratch 2.0. The book further explores the way digitally-mediated materiality may support teaching practice and proposes tools that are available for the educational curator in a digital learning environment. This book will be of great interest to academics, researchers, and post-graduate students in the fields of higher education, vocational education, and digital learning.

## Encyclopedia of Applied Plant Sciences

*Academic Press* **Encyclopedia of Applied Plant Sciences, Second Edition** presents both foundational and applied information on plants used by humans as sources of food, raw materials, and amenity purposes. It highlights how the underlying science and information links through to applications in practical situations. Since the last edition was published, the role of applied science in agricultural production has been brought into greater focus as fluctuations in global food production feed through into prices and availability to consumers. At the same time, technological advances are changing the way plant science is done. This Second Edition has been expanded to include specific chapters on the leading crops and crop-types, as well as updated chapters on plant development, photosynthesis, metabolism, nutrition, reproduction, seed biology, plant pests and diseases, weed biology, and responses to environmental stresses. The updated chapters reflect progress, particularly in genome sequencing and molecular genetics and biotechnology, including genetic modification, that have taken place since the first edition was published. In addition, the book places these developments in the wider context of biodiversity, food security, intellectual property, and ethical considerations. Presents complete, up-to-date, authoritative information on over 25 separate areas of plant science, covering both theory and applications Edited and written by a distinguished international group of editors and contributors Provides concise, easy to read gateway entries to topics, each supplemented with a further reading list that allows practitioners, students, and researchers to delve deeper into each topic

## Agricultural Commercialization, Gender Equality and the Right to Food

### Insights from Ghana and Cambodia

*Taylor & Francis* **This volume explores agricultural commercialization from a gender equality and right to food perspective. Agricultural commercialization, involving not only the shift to selling crops and buying inputs but also the commodification of land and labour, has always been controversial. Strategies for commercialization have often reinforced and exacerbated inequalities, been blind to gender differences and given rise to violations of the human rights to food, land, work and social security. While there is a body of evidence to trace these developments globally, impacts vary considerably in local contexts. This book systematically considers these dynamics in two countries, Cambodia and Ghana. Profoundly different in terms of their history and location, they provide the basis for fruitful comparisons because they both transitioned to democracy in the early 1990s, made agricultural development a priority, and adopted orthodox policies of commercialization to develop the sector. Chapters illustrate how commercialization processes are gendered, highlighting distinctive gender, ethnic and class dynamics in rural Ghana and Cambodia and the different outcomes these generate. They also show the ways in which food cultures are changing and the often-problematic impact of these changes on the safety and quality of food. Specific policies and legal norms are examined, with chapters addressing the development and implementation of frameworks on the right to food and land administration. Overall, the volume brings into relief multiple dimensions shaping the outcomes of processes of commercialization, including gender orders, food cultures, policy translation, national and sub-national policies, corporate investments and programmes, and formal and informal legal norms. In doing so, it offers insight not only on our case countries, but also provides proposals to advance rights-based research on food security. This book will**

be of great interest to students and scholars of food security, agricultural development and economics, gender, human rights and sustainable development.

## The Internationalists: Globalization, the Age of Information and the Developing World Ascent

*Lulu Press, Inc* Technology and globalization have created unprecedented opportunities for wealth creation whilst unleashing some of the most impressive forces for human advancement the world has ever known. These forces have also triggered what will likely be the last great development push the Modern Age will see. By 2050, the developing world as it is currently defined will be no more; with the exception of a few under-performers, there will only be the developed one. The Internationalists is a sweeping look at the forces shaping this next surge of economic and human development; from an investor who has logged the hard miles to know his subject inside and out.

## History of Soybeans and Soyfoods in Japan, and in Japanese Cookbooks and Restaurants outside Japan (701 CE to 2014)

*Soyinfo Center* The world's most comprehensive, well documented, and well illustrated book on this subject, with 445 photographs and illustrations. Plus an extensive index.

## Developments in Bovine Immunology - An Integrated View

The world's population is predicted to hit 9 Billion by 2050, and with it food demand is predicted to increase substantially. The World Bank estimates that cereal and meat production needs to increase by 50% and 85% respectively between 2000 and 2030 to meet demand, putting serious pressure on the global agricultural industry. Critical to meeting this demand for food are mechanisms to reduce the incidence of animal disease. With in excess of 1.3 billion cattle globally, the total cost of infectious diseases is difficult to estimate. However in North America alone, the cost is predicted to be \$18 billion annually. Non-infectious diseases also account for another major impediment to the production capacity and welfare of animals as well as the economic sustainability of farming. However animal diseases have implications that spread far beyond the farm gate. Infectious agents can also contaminate the food chain, and potentially affect human health. Controlling diseases, through better preventative and treatment methods requires a detailed understanding of the immune response in livestock species. Multiple studies have identified associations between variation in immune genes and disease susceptibility, which potentially opens up new avenues to select animals with superior disease resistance. Detailed understanding of immunity in cattle is leading to the design of more effective vaccines. Furthermore, appreciation of the significant differences between rodent and human immune responses has also led to bovine models being developed for some human diseases. The publication of the bovine genome and the advent of next-generation sequencing technologies have facilitated a massive expansion in our knowledge of the immune response in cattle. As a result there has been an explosion of exciting research findings including in metagenomics and epigenetics. Recently, there has been a welcome move to integrate our emerging understanding of the immune response with detailed studies of other important physiological processes including nutrition and reproduction. The interactions between the reproductive system, nutrition and the immune system are of particular interest, since each places significant demands on the animal at various stages through the production cycle. The interplay between these morphologically diffuse systems involves widely distributed chemical signals in response to environmental input, and each system must interact for the normal functioning of the other. A comprehensive "systems" approach is improving our understanding of normal physiological interactions between these systems and furthermore, how dysregulation can lead to disease. The successful translation of bovine immunological research into improved treatments for animal disease requires tight interaction between diverse scientific and clinical disciplines including immunology, microbiology, endocrinology, physiology, nutrition, reproduction and clinical veterinary medicine. With so much recent progress in the field, we believe that it is valuable and well-timed to review the broad variety of the relevant studies that attempt to increase our understanding through comprehensive collaboration between these disciplines. We are looking forward to a wide and vivid discussion of developments in bovine immunology and related issues, and we expect that our readers profoundly benefit from new exciting insights and fruitful collaborations.