

CABI Books



Agriculture and Environmental Sciences

2020

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Methods for Work with Plant and Soil Nematodes

Edited by **Roland N Perry**, University of Hertfordshire, UK, **David J Hunt**, CABI, UK, and **Sergei A Subbotin**

This up-to-date, comprehensive book covers the practicalities of working with and studying soil and plant nematodes. Written by an international team of experts, it includes traditional and new methodologies, as well as sections on behavioural and physiological assays, and cytogenetic, biochemical and molecular biology techniques.

Aug 2020 | HB | 9781786391759 | 288pp
£65 | €85 | \$110



Transition Pathways towards Sustainability in Agriculture

Case Studies from Europe

Edited by **Lee-Ann Sutherland**, James Hutton Institute, **Ika Darnhofer**, University of Natural Resources and Life Sciences, Austria, **Geoff Wilson**, University of Plymouth, UK, and **Lukas Zagata**

This book focuses on understanding farm-level transitions in Europe. Using case studies from various countries in the EU it adopts a novel analytical approach based on transition management theory and discusses the importance of understanding transition pathways towards sustainability in European agriculture at a time of economic recession.

Oct 2019 | PB | 9781786395474 | 244pp
£40 | €50 | \$55

Nov 2014 | HB | 9781780642192 | 244pp
£85.50 | €112 | \$160.95



Soil Carbon

Science, Management and Policy for Multiple Benefits

Edited by **Steven A Banwart**, University of Leeds, UK, **Elke Noellemeyer**, The National University of La Pampa, Argentina, and **Eleanor Milne**, University of Leicester, UK

This book brings together the essential evidence and policy opportunities regarding the global importance of soil carbon for sustaining essential ecosystems services. Covering the science and policy background for this important natural resource, it describes land management options that improve soil carbon status.

Oct 2019 | PB | 9781786395504 | 420pp
£50 | €60 | \$70

Dec 2014 | HB | 9781780645322 | 420pp
£101.99 | €133.95 | \$192.50



GM Agriculture and Food Security

Fears and Facts

Stuart Smyth, University of Saskatchewan, Canada, **William A Kerr**, University of Saskatchewan, Canada, and **Peter W B Phillips**, University of Saskatchewan, Canada

Myths about biotechnology have prevented it from helping improve food security in the developing world. This book explores the theory, evidence and rhetoric of the impact of food production on the environment, and vice versa.

Aug 2019 | PB | 9781786392244 | 184pp
£39.99 | €55 | \$65

Aug 2019 | HB | 9781786392213 | 184pp
£95 | €125 | \$160

Order online at: www.cabi.org/bookshop | order by telephone on: **+44 (0)1235 465577**



The Common Agricultural Policy and Romanian Agriculture

Jean Vasile Andrei, Petroleum-Gas University of Ploiesti, Romania, and **Mihaela Cristina Dragoi**, The Bucharest University of Economic Studies, Romania

The European agricultural policy is an evolving framework. New EU members request modification and adaptation of regulation mechanisms, and agriculture is one of the hottest and most-debated areas. This book looks at the European agricultural model for Romania and considers the gap between existing regulations and the European framework.

Aug 2019 | HB | 9781789242201 | 112pp
£75 | €100 | \$125



The Bioeconomy Delivering Sustainable Green Growth

Davide Viaggi, University of Bologna, Italy

The “bioeconomy” is the idea of economic activity involving the sustainable exploitation of biological resources. This book illustrates state of the art perspectives in the development of the bioeconomy across the world, taking an economic and policy perspective, and identifies potential future pathways and issues.

Dec 2018 | HB | 9781786392756 | 224pp
£85 | €110 | \$140



Healthy Soils for Healthy Vines Soil Management for Productive Vineyards

Robert White, University of Melbourne, Australia, and **Mark Krstic**, Australian Wine Research Institute, Australia

Healthy Soils for Healthy Vines provides a clear understanding of vineyard soils and how to manage and improve soil health for best vineyard performance.

Aug 2019 | HB | 9781789243161 | 224pp
£75 | €90 | \$105



Emerging Trends in Agri-Nanotechnology Fundamental and Applied Aspects

Edited by **Harikesh Bahadur Singh**, Banaras Hindu University, India, **Sandhya Mishra**, Banaras Hindu University, India, **Leonardo Fernandes Fraceto**, São Paulo State University, Brazil, and **Renata de Lima**, University of Sorocaba, Brazil

The science of nanotechnology – the manipulation, design and engineering of devices at the atomic and molecular scale – is starting to be applied to many disciplines including aspects of agriculture and crop science. This edited volume reviews the current state of knowledge and explores potential applications.

Apr 2018 | HB | 9781786391445 | 322pp
£125 | €165 | \$205



Farm Business Management The Core Skills

Peter L Nuthall, Lincoln University, New Zealand, **Michael L. Thompson**, Iowa State University, USA, and **Patrick J. Skelly**, Tufts University, USA

Practical methods for acquiring or improving each skill are covered in detail, with practice exercises to engage the reader in active participation. This book is an essential resource for farm managers and students.

Aug 2010 | HB | 9781845936679 | 318pp
£101.99 | €128.95 | \$192.50



Farm Business Management The Human Factor 2nd Edition

Peter L Nuthall, Lincoln University, New Zealand

The underlying economic factors that effect primary production are frequently studied and written about – soil quality, animal health, climate, machinery. This book explores the psychology of successful farm business management and decision making.

Dec 2018 | HB | 9781789240733 | 290pp
£95 | €125 | \$160



Farm Business Management Analysis of Farming Systems

Peter L Nuthall, Lincoln University, New Zealand

The final instalment of Peter Nuthall's Farm Business Management series, this volume teaches the practical skills needed to manage a farm, such as risk analysis, budgeting, cost benefit analyses and much more. The key characteristic of this book is its ability to simplify the complex subject of business management into a clear, accessible volume.

Sep 2011 | HB | 9781845938390 | 464pp
£128.99 | €170.95 | \$246



Farm Business Management – 3 volume set

Peter L Nuthall, Lincoln University, New Zealand

Taken together the three books of Farm Business Management cover most aspects of the study of farm management, leaving the reader with a practical set of skills and knowledge:

Farm Business Management: The Core Skills

Farm Business Management: The Human Factor, 2nd Edition

Farm Business Management: Analysis of Farming Systems

Dec 2018 | HB | 9781789241525
£239 | €269 | \$310



Fair Trade and Organic Agriculture A Winning Combination?

Edited by **Priyanka Parvathi**, Leibniz University Hannover, Germany, **Ulrike Grote**, Leibniz University Hannover, Germany, and **Hermann Waibel**, Leibniz University Hannover, Germany

The markets for organic and fair trade commodities are growing rapidly, so it is vital to assess if it is feasible to meet growing demands regarding food safety, quality and ethics through smallholder and marginal producers. This book analyses sustainable development and poverty reduction through global case studies in these areas.

Dec 2017 | HB | 9781786393050 | 208pp
£85 | €110 | \$140



Indigenous Knowledge Enhancing its Contribution to Natural Resources Management

Edited by **Paul Sillitoe**, Durham University, UK

Indigenous Knowledge (IK) addresses IK's potential in solving issues such as coping with change, ensuring global food supply, reversing environmental degradation and promoting sustainable practices. It draws together strands of biocultural diversity research into natural resources management, providing an overview of conceptual issues.

Nov 2017 | HB | 9781780647050 | 272pp
£95 | €125 | \$160



Automation in Tree Fruit Production Principles and Practice

Edited by **Qin Zhang**, Washington State University, USA

Written by an international team of experts, this unique edited volume focuses on applications of automation technology to the important industry of tree fruit production. It is aimed at researchers and graduate students of agricultural and biological engineering, crop and soil sciences, precision agriculture, and other relevant disciplines.

Nov 2017 | HB | 9781780648507 | 312pp
£125 | €165 | \$205



Global Urban Agriculture

Edited by **Antoinette M.G.A. WinklerPrins**, Johns Hopkins University, USA

Urban agriculture is crucial to the environmental sustainability of cities, but the issues facing cities in the global north and south have been seen as unlinked.

This book brings together evidence from both areas to highlight the interconnectedness and the contribution to social justice.

May 2017 | HB | 9781780647326 | 272pp
£87.50 | €113 | \$144



Plant Biodiversity

Monitoring, Assessment and Conservation

Edited by **Abid Ansari**, University of Tabuk, Saudi Arabia, **Sarvajeet Singh Gill**, MD University, India, **Zahid Khorshid Abbas**, University of Tabuk, Saudi Arabia and **M Naeem**, Aligarh Muslim University, India

This book presents a series of essays on how the results of monitoring and assessment of different aspects of plant biodiversity can be used to combat species extinction and ecosystem collapse using case studies from around the world in terrestrial and aquatic ecosystems.

Dec 2016 | HB | 9781780646947 | 628pp
£154.50 | €200 | \$257.50



Review of Invertebrate Biological Control Agents Introduced into Europe

Edited by **Esther Gerber**, Longo Mai, Switzerland, and **Urs Schaffner**, CABI, Switzerland

This book provides an overview of all documented releases of exotic (non-European) invertebrate biological control agents (IBCsAs) into the environment in Europe and summarizes key information on the target species as well as on the biological control agent released.

Nov 2016 | HB | 9781786390790 | 208pp
£97.99 | €128.95 | \$165



Conservation Agriculture for Africa

Building Resilient Farming Systems in a Changing Climate

Edited by **Amir H Kassam**, University of Reading, UK, **Saidi Mkomwa**, African Conservation Tillage (ACT), Nairobi and **Theodor Friedrich**, Food and Agriculture Organization of the United Nations, Cuba

Tillage agriculture has led to widespread soil and ecosystem degradation. This book reviews research and development initiatives in Africa aimed at building resilient farming systems. It summarises the status of conservation agriculture today, discusses prospects for future development and provides case studies showing its performance in Africa.

Dec 2016 | HB | 9781780645681 | 318pp
£97.99 | €128.95 | \$165



Farm-level Modelling

Techniques, Applications and Policy

Edited by **Shailesh Shrestha**, **Andrew Barnes** and **Bouda Vosough Ahmadi**, all at SRUC, UK,

This book describes the application of a wide variety of mathematical modelling techniques used to help carry out crucial tasks and decision making in farm management.

Sep 2016 | HB | 9781780644288 | 238pp
£87.50 | €113 | \$144



Intellectual Property Issues in Biotechnology

Edited by **Harikesh Bahadur Singh**, Banaras Hindu University, India, **Alok Jha**, International Livestock Research Institute, India, and **Chetan Keswani**, Banaras Hindu University, India

This book integrates science and business to provide an introduction and an insider view of intellectual property issues within the biotech industry. Broad in scope, this book covers key principles in pharmaceutical, industrial and agricultural biotechnology within four sections.

Sep 2016 | HB | 9781780646534 | 276pp
£97.99 | €128.95 | \$165



Millets Value Chain for Nutritional Security

A Replicable Success Model from India

Benhur Dayakar Rao, Indian Institute of Millets Research, India, **N G Malleshi**, Central Food Technological Research Institute, India, **George A Annor**, University of Ghana, Ghana, and **Jagannath Vishnu Patil**, Indian Institute of Millets Research, India

While there are books that look at nutritional aspects and processing of millets, this title deals with value addition through the entire chain, from producer to consumer, and demonstrates a reliable model for millets development that can be adapted to other commodities.

Aug 2016 | HB | 9781780648309 | 254pp
£97.99 | €128.95 | \$165



Harnessing Dividends from Drylands

Innovative Scaling up with Soil Nutrients

Edited by **K V Raju**, International Crop Research Institute for Semi-Arid Tropics, India, and **Suhas P Wani**, Formerly ICRISAT Development Center (IDC), India

This book describes lessons learnt from an innovative scheme in India that improved yields in drylands. It shows how the scheme can be scaled up for other Dryland regions of the world. The scheme uses localised soil nutrient analyses to create an integrated, climate-smart fertilizer and planting plan that maximises yields for farmers.

Sep 2016 | HB | 9781780648156 | 334pp
£118.50 | €154.50 | \$195.95



Sustainable Water Management in Smallholder Farming

Theory and Practice

Sara Finley, Water Management Consultant, Canada

Water is critical to everyone, but access to this resource is increasingly limited by competition and the effects of climate change. This book outlines the theoretical underpinnings of sustainable water management in agriculture, introduces a range of beneficial practices, and provides schematic diagrams to help readers put theory into practice.

Jul 2016 | PB | 9781780646879 | 204pp
£39.99 | €55 | \$65

Jul 2016 | HB | 9781780646862 | 204pp
£97.99 | €128.95 | \$165



Farm Business Management The Fundamentals of Good Practice

Peter L Nuthall, Lincoln University,
New Zealand

Following the author's *Farm Business Management* series, this textbook takes the core principles and techniques and distils them into an accessible student resource. It covers aspects of farm management such as observation, decision making, budgeting, risk assessment and record keeping, and includes student-focused pedagogy throughout.

Apr 2016 | PB | 9781780646572 | 374pp
£39.99 | €55 | \$65

Apr 2016 | HB | 9781780646565 | 374pp
£128.99 | €169.95 | \$211



Land-Use Change Impacts on Soil Processes

Tropical and Savannah Ecosystems

Edited by **Francis Q Brearley**,
Manchester Metropolitan University,
and **Andrew D Thomas**, Aberystwyth
University, UK

This book examines the effects that land-use changes (notably agricultural intensification, logging, soil erosion, urbanisation and mining) have on soil characteristics and processes in tropical and savannah environments. It covers a range of geographical regions and environments as impacts of land use change are often site specific.

Sep 2015 | HB | 9781780642109 | 200pp
£80 | €107 | \$155.50



Visual Soil Evaluation

Realizing Potential Crop Production with Minimum Environmental Impact

Edited by **Bruce C. Ball**, Bruce C. Ball,
SRUC, UK and **Lars J. Munkholm**,
Aarhus University, Denmark

Visual Soil Evaluation (VSE) provides land users and environmental authorities with the tools to assess soil quality for crop performance. An important tool for ensuring food security, this book appraises the use of VSE in determining the potential of different land types for carbon storage, greenhouse gas emissions and nutrient leaching.

Oct 2015 | PB | 9781780647456 | 172pp
£39.99 | €55 | \$65

Oct 2015 | HB | 9781780644707 | 172pp
£101.99 | €133.95 | \$170.95



Conservation Agriculture in Subsistence Farming

Case Studies from South Asia and Beyond

Edited by **Catherine Chan**, University
of Hawai'i at Ma'noa, USA, and
Jean Fantle-Lepczyk, University
of Hawaii, Manoa, USA

This book presents South Asia as a case study, due to the high soil erosion caused by monsoon rainfall and geophysical conditions in the region, which necessitate conservation agriculture approaches, and the high percentage of people in South Asia relying on subsistence and traditional farming.

Jun 2015 | HB | 9781780644233 | 278pp
£89.99 | €117 | \$170.95



Coping with Risk in Agriculture Applied Decision Analysis, 3rd Edition

J Brian Hardaker, University of New England, Australia, **Ruud B M Huirne**, Wageningen University, The Netherlands, **Jock R Anderson**, Consultant, USA, and **Gudbrand Lien**, Lillehammer University College, Norway

Farmers face risks from the weather, crop and livestock performance, pests and diseases, as well as institutional, personal and business risks. This book includes a new chapter on the state-contingent approach to the analysis of production and the use of copulas to better model stochastic dependency.

Apr 2015 | PB | 9781780642406 | 288pp
£39.95 | €55 | \$75



Apr 2015 | HB | 9781780645742 | 288pp
£85.50 | €112 | \$160.95



An Introduction to Economics Concepts for Students of Agriculture and the Rural Sector 4th Edition

Berkeley Hill, formerly Imperial College London, UK

Fully updated, this incorporates the impacts of the EU expansion, changes to financial support of agriculture, financial crises, economic recession and unemployment. The inclusion of chapter-focused exercises, essay questions and further reading make this textbook a valuable learning tool for students of agriculture, economics and related sectors.

Nov 2014 | PB | 9781780644752 | 256pp
£39.95 | €55 | \$75



The Science of Communicating Science

The Ultimate Guide

Dr Craig Cormick, CSIRO, Australia

Sep 2019 | PB | 9781789245141 | 256pp
£27.50

www.cabi.org/bookshop

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Practical R for Biologists

Donald Quicke, Chulalongkorn University, Thailand, **Buntika A. Butcher**, Chulalongkorn University, Thailand, and **Rachel Kruft Welton**

A new textbook showing beginners how to use the free programming language R for fundamental biostatistical analysis, graphical display, and experimental design. The book takes a simple step-by-step approach to give a good grounding in the use of R for undergraduate/beginning postgraduate biology students.

Nov 2020 | PB | 9781789245349 | 240pp
£35 | €42 | \$49



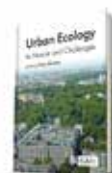
Invasive Birds

Global Trends and Impacts

Edited by **Colleen T Downs**, University of KwaZulu-Natal, **Lorinda A. Hart**, University of KwaZulu-Natal

Divided into three sections, this book provides detailed information on the 32 global avian invasive species listed by the Invasive Species Specialist Group (ISSG). It also offers an assessment of avian invasions from a biogeographic perspective, and considers the ecological impacts of these invasive species.

May 2020 | HB | 9781789242065 | 384pp
£125 | €150 | \$175



Urban Ecology

Its Nature and Challenges

Edited by **Pedro Barbosa**, University of Maryland, USA

This book contains a series of essays designed for graduate students and researchers on crucial issues in the relatively new field of urban ecology.

Jun 2020 | HB | 9781789242607 | 224pp
£85 | €110 | \$140



Climate Change Impacts and Sustainability

Ecosystems of Tanzania

Edited by **P.Z. Yanda**, University of Dar es Salaam, Tanzania, **C.G. Mung'ong'o**, Formerly of the University of Dar es Salaam, Tanzania, and **Edmund Mabhuve**, Edmund

Mabhuve, Institute of Resource Assessment, Tanzania

The collection of papers presented in this book provides a detailed analysis of the impacts of climate change on various tropical ecosystems in Tanzania and their related aspects of economic endeavour – from agriculture, marine resources, wildlife to weather forecasting.

Apr 2020 | HB | 9781789242966 | 264pp
£95 | €125 | \$160



A Handbook of Environmental Toxicology

Human Disorders and Ecotoxicology

Edited by **J P F D'Mello**, formerly Scottish Agricultural College, UK

This handbook focuses on human disorders and ecotoxicology, as affected by major toxins originally from biology sources and pollutants, and radiation generated spontaneously or as a result of anthropogenic activity. The book explores the cutting edge of research and also indicates the likely direction of future developments.

Dec 2019 | HB | 9781786394675 | 608pp
£195 | €255 | \$320



Plant Adaptation to Environmental Change

Significance of Amino Acids and their Derivatives

Edited by **Naser A Anjum**,
Sarvajeet Singh Gill, MD University, India,
and **Ritu Gill**, MD University, India

Plants constantly cope with unfavourable ecosystem conditions, preventing them reaching full genetic potential for growth, development and productivity. This book covers plants' responses to environmental changes, gathering the most recent developments, it is an important resource for researchers and students of crop stress and plant physiology.

Oct 2019 | PB | 9781786395252 | 344pp
£60 | €70 | \$85

Jan 2014 | HB | 9781780642734 | 344pp
£123.50 | €160 | \$235.95



Invasive Species and Global Climate Change

Edited by **Lewis Ziska**, USDA-ARS, USA,
and **Jeffery Dukes**

This book examines what will happen to global invasive species, including plants, animals and pathogens with current and expected man-made climate change. The effects on distribution, success, spread and impact of invasive species are considered for a series of case studies from a number of countries.

Oct 2019 | PB | 9781786395399 | 366pp
£50 | €60 | \$70

Aug 2014 | HB | 9781780641645 | 368pp
£101.99 | €133.95 | \$192.50



Food Gardens for a Changing World

Daniela Soleri, University of California, Santa Barbara, USA, **David A. Cleveland**, University of California, Santa Barbara, USA,
and **Steven E. Smith**, University of Arizona, USA

We are facing worldwide climatic, environmental and social changes, and food gardens are one increasingly popular strategy being explored to address these impacts. This book presents the basic biological, ecological and social concepts related to food gardening, and how to use those to address the changes we are facing.

Jun 2019 | PB | 9781789240993 | 328pp
£45 | €60 | \$75



Modelling Nature

An introduction to mathematical modelling of natural systems

Edward Gillman and **Michael Gillman**

This textbook introduces the basic concepts of mathematical modelling when applied to natural systems. It focuses on tackling

real-world problems from a variety of fields including physics, ecology, geology and epidemiology.

May 2019 | PB | 9781786393135 | 280pp
£45 | €60 | \$75

May 2019 | HB | 9781786393104 | 280pp
£95 | €125 | \$160



Air Pollution

Sources, Impacts and Controls

Edited by **Pallavi Saxena**, University of Delhi, India, and **Vaishali Naik**, NOAA GFDL, USA

This book aims to provide a broad overview of the issues surrounding air pollution and how to control and monitor pollution levels.

Beginning with a brief background on the subject, the book moves on to discuss global emissions, with an emphasis on megacities and their effects.

Dec 2018 | PB | 9781786393890 | 234pp
£39.99 | €55 | \$65



Finding Resilience

Change and Uncertainty in Nature and Society

Brian Walker, CSIRO and The Australian National University

This book unravels how ecosystems, societies and people cope with disturbance and

adversity. Written for a general readership and based on the experiences of researchers, the fascinating stories reveal what resilience is, how it works in different kinds of systems, how it is expressed, and how it can be gained and lost.

Mar 2019 | PB | 9781789241594 | 168pp
£39.99 | €55 | \$65



Ecological Effects of Electricity Generation, Storage and Use

Peter Henderson, Pisces Conservation Ltd., UK

The demand for electricity has never been higher and is growing rapidly. This book examines all of the main forms of electricity

generation in terms of their ecological impacts and effects on climate change, arguing that the only way to minimise impacts will be to minimise our consumption and transmission.

May 2018 | PB | 9781786392015 | 240pp
£25.99 | €35 | \$45



Data Analysis in Vegetation Ecology 3rd Edition

Otto Wildi, Swiss Federal Research Institute WSL, Switzerland

The third edition of this popular graduate-level text introduces the reader to the investigation of vegetation systems with an emphasis on

data analysis. It covers pattern recognition, pattern testing, static and dynamic modelling and model testing including spatial and temporal aspects of ecosystems.

Oct 2017 | PB | 9781786394224 | 356pp
£39.99 | €55 | \$65



Analytical Techniques for Natural Product Research

Satyanshu Kumar, Directorate of Medicinal and Aromatic Plants Research, India

Plants are an important source of lead molecules for drug discovery. This book covers extraction techniques and analytical

techniques for phytochemical processing of raw materials. It reviews conventional and green extraction as well as analytical techniques from single technique to hyphenated/coupled techniques.

Dec 2015 | HB | 9781780644738 | 204pp
£80 | €107 | \$133.95

CABI Climate Change Series



Climate Change Impact and Adaptation in Agricultural Systems

Edited by **Jurg Fuhrer**, Formerly Agroscope, Switzerland, and **P J Gregory**, University of Reading, UK

This book focuses on future global climate change and its implications for agricultural

systems which are the main sources of agricultural goods and services to society. This book brings together a series of chapters providing scientific insights to possible implications of projected climate changes for different crop types and livestock systems.

Oct 2019 | PB | 9781786395351 | 298pp
£45 | €55 | \$65

Jun 2014 | HB | 9781780642895 | 298pp
£89.99 | €117 | \$170.95



Climate Change and Crop Production

Edited by **Matthew P Reynolds**, CIMMYT, Mexico

The first volume in the CABI Climate Change Series, this book provides an overview of the essential disciplines required for sustainable crop production in unpredictable

environments.

May 2017 | PB | 9781786393081 | 308pp
£45 | €60 | \$75

May 2017 | HB | 9781845936334 | 320pp
£101.99 | €128.95 | \$192.50



Climate Change Impacts on Urban Pests

Edited by **Partho Dhang**, Independent Consultant, Philippines

This book reviews the influence of climate change on urban and public pests such as mosquitoes, flies, termites, rodents and

others, with respect to population, distribution, disease, damage and control.

Nov 2016 | HB | 9781780645377 | 200pp
£77 | €100 | \$128.95



Climate Change Challenges and Adaptations at Farm-level

Case Studies from Asia and Africa

Edited by **Naveen P Singh**,
Cynthia Bantilan, **Kattarkandi Byjesh**
 and **Swamikannu Nedumaran**, all at
 ICRISAT, India,

This book emphasises the importance of farm-level adaptation in mitigating against the risks of climate change in the semi-arid tropics of Asia and Africa. It highlights the key issues that arise in farm-level impacts, adaptation and vulnerability, and discusses the methodological approaches undertaken in Asia and Africa

Nov 2015 | HB | 9781780644639 | 244pp
£101.99 | €133.95 | \$170.95



Climate Change and Agricultural Water Management in Developing Countries

Edited by **Chu T Hoanh**, IWMI, Colombo, Sri Lanka, **Vladimir Smakhtin**, IWMI, Colombo, Sri Lanka, and **Robyn Johnston**, IWMI, Colombo, Sri Lanka

The book provides an analysis of impacts of climate change on water for agriculture, and the adaptation strategies in water management to deal with these impacts. Chapters include an assessment at global level, with details on impacts in various countries.

Dec 2015 | HB | 9781780643663 | 240pp
£101.99 | €133.95 | \$170.95



Climate Change and Insect Pests

Edited by **Christer Björkman**, Swedish University of Agricultural Sciences, Sweden, and **Pekka Niemelä**, University of Turku, Finland

It is anticipated that the damage to crops and forests by insects will increase as a consequence of climate change. However, the evidence in support of this is sparse. This book sums up present knowledge regarding both agricultural and forest insect pests and climate change in order to identify future research directions.

Oct 2015 | HB | 9781780643786 | 292pp
£80 | €107 | \$155.50



Climate Change Biology

Jonathan A Newman, University of Guelph, Canada, **Madhur Anand**, University of Guelph, Canada, **Hugh A.L. Henry**, University of Western Ontario, Canada, **Shelley L Hunt**, University of Guelph, Canada, and **Ze'ev Gedalof**, University of Guelph, Canada

Climate Change Biology is the first major textbook to address the critical issue of how climate change may affect life on the planet, and particularly its impact on human populations.

Jul 2011 | HB | 9781845937485 | 304pp
£80 | €107 | \$155.50



Crop Protection Compendium

The world's most comprehensive site for information on crop pests

www.cabi.org/cpc





Insect Pest Management, 3rd Edition

David R Dent, CABI, UK, and
Richard H Binks, FreshTec

This new, third edition has been thoroughly updated to include all the key principles, methodologies, approaches and practical examples of insect pest management in agricultural, post harvest and horticultural contexts, as well as looking at insects as vectors of disease from a medical and veterinary perspective.

Sep 2020 | PB | 9781789241044 | 344pp
£49.99 | €65 | \$85



Sep 2020 | HB | 9781789241051 | 344pp
£125 | €165 | \$205



Optical Manipulation of Pests and Beneficial Arthropods

Edited by **David Ben-Yakir**, Agricultural Research Organization, Israel

This is the first comprehensive book on the use of light to manipulate insect pests. It includes information on important arthropod pests, pollinators, biocontrol agents and also medical/veterinary pests, and discusses the potential use of optical manipulation to improve the health of plants, domestic animals and humans.

May 2020 | HB | 9781786394705 | 350pp
£85 | €110 | \$140



Economic and Ecological Entomology

A Global Synthesis

Brian Freeman, Formerly University of the West Indies, Jamaica

Covering all insect pests of plants, humans and livestock, this book provides a comprehensive reference text to ecological and economic entomology. Taking a global approach, it considers climate and plant community distributions. It is recommended for entomologists working in agricultural, medical and veterinary professions as well as academia.

Jun 2020 | HB | 9781789241181 | 784pp
£195 | €255 | \$320



Asian Citrus Psyllid

Biology, Ecology and Management of the Huanglongbing Vector

Edited by **Jawwad A. Qureshi**, University of Florida, USA, and **Philip A. Stansly**, Formerly University of Florida, USA

This is the first book to be published which specifically focuses on Asian Citrus Psyllid and the intractable disease it spreads in citrus crops (Huanglongbing disease).

Apr 2020 | HB | 9781786394088 | 352pp
£95 | €125 | \$160



Biotechnology of Fruit and Nut Crops 2nd Edition

Edited by **Richard E Litz**, University of Florida, USA, **Fernando Pliego-Alfaro**, Universidad de Málaga, Spain, and **Jose Ignacio Hormaza**, IHSM la Mayora, Spain

This book covers the biotechnology of all major fruit and nut species, with colour illustrations illustrating the crop species and their wild relatives. It details well-established techniques such as protoplast culture, in vitro mutagenesis and ploidy manipulation, but also newer approaches such as genomics and marker-assisted selection.

Dec 2019 | HB | 9781780648279 | 750pp
£195 | €255 | \$320



Biological Control in Latin America and the Caribbean

Its Rich History and Bright Future

Edited by **J C van Lenteren**, Wageningen University, The Netherlands, **Vanda H.P. Bueno**, University of Lavras, Brazil, **Maria Gabriela Luna**, Universidad Nacional de La Plata, Argentina, and **Yelitza Colmenarez**

The book summarizes the history of biological control in Latin America and the Caribbean.

Dec 2019 | HB | 9781789242430 | 520pp
£135 | €175 | \$225



Transcriptomics in Entomological Research

Edited by **Matan Shelomi**, National Taiwan University, Taiwan

This is the first book on the cutting-edge field of transcriptomics and its applications in entomology.

Dec 2019 | HB | 9781789243130 | 224pp
£95 | €125 | \$160



Courtship and Mating in Butterflies

Raymond J.C. Cannon, Formerly of the Food and Environment Research Agency, UK

The aim of this book is to present a readable account of butterfly behaviour, based on field observations, great photographs and the latest research.

Dec 2019 | HB | 9781789242638 | 384pp
£95 | €125 | \$160



Insect Conservation

A Global Synthesis

Michael J. Samways

Insect Conservation: A Global Synthesis is a landmark, field-defining work written by Professor Michael Samways, one of the founding fathers of this burgeoning discipline of conservation science. This book presents a state-of-the-art, comprehensive review of the entire field of insect conservation, from single-species conservation to whole-ecosystem approaches, and from natural ecosystems to the urban landscape.

Dec 2019 | PB | 9781789241679 | 600pp
£55 | €70 | \$90

Dec 2019 | HB | 9781789241686 | 600pp
£95 | €165 | \$205



Urban Insect Pests

Sustainable Management Strategies

Edited by **Partho Dhang**, Independent Consultant, Philippines

A companion to 'Urban Pest Management', this book builds on the issues of insect pests in urban settings to discuss control strategies.

From an environmental and health perspective, it is not always practical to spray chemicals, so this work discusses sustainable control and best practice methods for managing insects.

Oct 2019 | PB | 9781786395405 | 260pp
£45 | €55 | \$65



Biological Control of Plant-parasitic Nematodes

Soil Ecosystem Management in Sustainable Agriculture 2nd Edition

Graham R. Stirling, Biological Crop Protection Pty. Ltd, Australia

This book integrates soil health, sustainable agriculture, nematode ecology and suppressive services provided by the soil food web to provide holistic solutions. With particular focus on integrated soil biology management, it describes how to enhance the activity of natural enemies and use soil biological processes to reduce losses from nematodes.

Oct 2019 | PB | 9781786395337 | 534pp
£65 | €80 | \$90

May 2014 | HB | 9781780644158 | 534pp
£133.99 | €177 | \$257.50



The Economics of Integrated Pest Management of Insects

Edited by **David W Onstad**, Corteva Agriscience, USA, and **Philip Crain**, Corteva Agriscience, USA

This is the first book to bring economists and applied entomologists together to make the case for better integrated pest management strategies in crops based on economic arguments and analyses.

Sep 2019 | HB | 9781786393678 | 232pp
£85 | €100 | \$120



Biology and Management of *Bactrocera* and Related Fruit Flies

Anthony R. Clarke, Queensland University of Technology

This book is the only single source which provides students, field entomologists, extension officers, quarantine officers and market access negotiators with a rapid, yet comprehensive introduction to this economically important group of fruit flies.

Jul 2019 | HB | 9781789241822 | 268pp
£75 | €100 | \$125



The Discovery of a Visual System – The Honeybee

Adrian Horridge, Formerly of The Australian National University, Canberra

This book presents a new and controversial theory of how honeybees see the world from one of the world's most eminent neuroscientists. It also explores the fascinating history of this field of endeavour.

May 2019 | HB | 9781789240894 | 296pp
£85 | €110 | \$140



Community-Based Control of Invasive Species

Edited by **Paul Martin**, University of New England, Australia, **Theodore R. Alter**, Penn State University, USA, **Donald W. Hine**, University of New England, Australia, and **Tanya M. Howard**, University of New England, Australia

A study of how invasive species policies have shifted significantly towards relying upon private citizens and industry to manage established invasive species. The title provides a concentrated source of advanced theoretical knowledge and best practice advice about ways to manage the human dimensions of invasive species.

May 2019 | HB | 9781789242539 | 288pp
£75 | €90 | \$105



Culiclopedia

Species-group, genus-group and family-group names in Culicidae (Diptera)

Ralph E. Harbach, Natural History Museum, UK

This volume is a comprehensive compilation of all scientific names introduced at all taxonomic levels within the culicid family, offering insight into the history of mosquito classification as well as providing a bibliographic reference source. It is ideal for students, entomologists and taxonomists interested in culicid nomenclature and etymology.

Oct 2018 | HB | 9781786399052 | 396pp
£175 | €230 | \$290



A History of Pesticides

Graham A Matthews, Emeritus Professor, Imperial College London, UK

In this fascinating book, Professor Graham Matthews takes the reader through the history of the development and use of chemicals for control of pests, weeds, and vectors of

disease and then discusses their future.

Sep 2018 | HB | 9781786394873 | 312pp
£95 | €125 | \$160



Aphids as Crop Pests

2nd Edition

Edited by **Helmut van Emden**, University of Reading, UK, and **Richard Harrington**, Rothamsted Research, Harpenden, UK

A classic comprehensive reference on the biology and management of aphids occurring in crops, this second edition reflects the expansion of genomic research, semiochemicals and endosymbionts, and the shift away from purely chemical control towards more integrated methods.

Aug 2017 | HB | 9781780647098 | 714pp
£180 | €236.95 | \$298.95



British and Irish Butterflies

An Island Perspective

Roger L H Dennis, Oxford Brookes University, UK, and **Peter B Hardy**, Greater Manchester Regional Recorder for Butterfly Conservation, UK

Islands are special places; they can be havens for unique plants and animals and refuges for wildlife. This book investigates the biogeography of butterfly species over the British islands, particularly the factors that influence their presence on the islands and that have made each island's butterfly fauna distinctive.

Jul 2018 | HB | 9781786395061 | 406pp
£75 | €100 | \$125



Integrated management of Insect Pests on Canola and other Brassica Oilseed Crops

Edited by **Gadi V P Reddy**, Montana State University, USA

This book reviews current pest management practices and explores new biological and chemical control methods, and integrated pest management strategies in this important crop. It is essential reading for pest management practitioners and researchers working on pest management in canola crops worldwide.

Apr 2017 | HB | 9781780648200 | 408pp
£180 | €236.95 | \$298.95



Keys to the Tropical Fruit Flies of South-East Asia

(Tephritidae: Dacinae)

Richard A I Drew, Griffith University, Australia, and **Meredith C Romig**

A companion to *Tropical Fruit Flies of South-East Asia* (Tephritidae: Dacinae),

this book provides fully-illustrated keys for the identification of all currently-known Dacinae fruit flies. Focusing on south-east Asian fauna, it aims to help prevent these pests being introduced to new geographical areas using simple identification information.

Nov 2016 | HB | 9781780644196 | 496pp
£128.99 | €169.95 | \$211



Biology of Mosquitoes, Volume 3 Transmission of Viruses and Interactions with Bacteria

Alan N Clements, London School of Hygiene & Tropical Medicine, UK

The largest part of this latest volume of The Biology of Mosquitoes concerns interactions

between mosquitoes and viruses and the transmission of arboviruses to their vertebrate hosts, while the remainder concerns symbiotic interactions between mosquitoes and bacteria.

Dec 2011 | HB | 9781845932428 | 592pp
£165.99 | €214 | \$311



Tropical Fruit Flies of South-East Asia (Tephritidae: Dacinae)

Richard A I Drew, Griffith University, Australia, and **Meredith C Romig**

This major reference work details the taxonomic research into the subfamily Dacinae. Providing complete descriptions and

artwork of all species of Dacinae recorded from the south-east Asian region for the first time, this book is written and illustrated by experts with over 80 years' combined research experience.

Dec 2013 | HB | 9781780640358 | 664pp
£144 | €187.50 | \$272.95



Dictionary of Entomology 2nd Edition

Gordon Gordh, APHIS, Raleigh, USDA, and **David H Headrick**, California Polytechnic State University, USA

This edition is a comprehensive, fully cross-referenced collection of terms, names and

phrases used in entomology, incorporating an estimated 43,000 definitions. It is the only listing which covers insect anatomy, behaviour, biology, ecology, histology, molecular biology, morphology, pest management, taxonomy and systematics.

May 2011 | HB | 9781845935429 | 1536pp
£112 | €144 | \$214



Field guide to the forest trees of Uganda

2nd Edition

James Kalema, Makerere University, Uganda, and **Alan Hamilton**, Kunming Institute of Botany, China

This book is a guide for the identification of the indigenous forest trees of Uganda. It will be useful for those who wish to contribute towards the conservation of the forests or to plant indigenous trees. Information is provided on how to propagate and cultivate about 80 of the most valuable species.

Feb 2020 | HB | 9781789245271 | 200pp
£60 | €70 | \$85



The Himalayan Soap Pod Tree (*Gymnocladus assamica*)

An Ecologically and Economically Important Tree on the Brink of Extinction

Baharul I Choudhury, University of Toronto, Canada, and **Mohammed Latif Khan**, Dr. Hari Singh Gour University, India

This book tells the story of a critically endangered tree species with a unique biological and socio-cultural importance. This is a unique case study showing an example of plant species conservation in action under difficult circumstances.

Oct 2019 | HB | 9781786391988 | 200pp
£95 | €125 | \$160



Forest Genomics and Biotechnology

Matias Kirst and **Rick Meilan**

An authoritative update of forest tree biotechnology and genomics methodologies, this book discusses approaches for traditional breeding improvement of forest-tree species and production of forest-based products.

It describes in detail the environmental, social, legal, and regulatory aspects of forest biotechnology, with an emphasis on biosafety.

Dec 2019 | HB | 9781780643502 | 280pp
£85 | €110 | \$140



Introductory Probability and Statistics

Applications for Forestry and Natural Sciences (Revised Edition)

Robert Kozak, University of British Columbia, Canada, **Antal Kozak**, University of British Columbia, Canada,

Christina Staudhammer, University of Alabama, USA, and **Susan Watts**, University of British Columbia, Canada

This revised edition of this unique textbook is specifically designed for statistics and probability courses taught to students of forestry and related disciplines.

Sep 2019 | PB | 9781789243307 | 448pp
£45 | €60 | \$75





The Silviculture of Trees Used in British Forestry

3rd Edition

Peter S Savill, Chairman of the Trustees of the Sylva Foundation

This book provides concise but detailed information about the silvicultural characteristics of forest trees in Britain, in a readily accessible form. It is an essential text for students of forestry and forest conservation, and practicing foresters.

Apr 2019 | HB | 9781786393920 | 384pp
£95 | €125 | \$160



Temperate Agroforestry Systems

2nd Edition

Edited by **Andrew M Gordon**, University of Guelph, Canada, **Steven M Newman**, formerly University of Leeds, UK, and **Brent Coleman**, University of Guelph, Canada

This edition brings together many examples of temperate agroforestry and makes valuable reading for all those working in this area as researchers, practitioners and policy makers. It includes additional chapters on India and Chile, and as a result of ongoing advances in the field, separate chapters on the US, Canada, the UK and continental Europe.

Mar 2018 | HB | 9781780644851 | 326pp
£95 | €125 | \$160



The Ecology and Silviculture of Oaks

3rd Edition

Paul S Johnson, Formerly US Forest Service, USA, **Stephen R Shifley**, Formerly US Forest Service, USA, **Robert Rogers**, Formerly University of Wisconsin-Stevens Point, USA, **Daniel C. Dey**, US Forest

Service, USA, and **John M Kabrick**, US Forest Service, USA

This fully updated third edition is a source of information and ideas on how to think about oak forests as responsive ecosystems. This book is intended for forest and wildlife managers, ecologists, silviculturists, environmentalists, and students of those fields.

Apr 2019 | HB | 9781780647081 | 628pp
£150 | €195 | \$250



Field Guide for the Identification of Damage on Woody Sentinel Plants

Edited by **Alain Roques**, INRA Orleans, France, **Michelle Cleary**, Swedish University of Agricultural Sciences, Sweden, **Iryna Matsiakh**, Ukrainian National Forestry University, Ukraine, and **René Eschen**, CABI, Switzerland

This book is a heavily-illustrated, internationally applicable, practical guide for the identification of likely causal agents of damage to trees and woody shrubs. It is intended for use in sentinel plantings, where agents often may not be known and only damage visible.

Sep 2017 | PB | 9781786394408



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Woodland Development

A Long-term Study of Lady Park Wood

George Peterken, Independent Researcher, UK, and **Edward Mountford**, Independent Advisor, UK

Lady Park Wood in the Wye Valley, UK was set aside as a 'natural' reserve for ecological research in 1944 and the trees, shrubs and ground vegetation have been recorded in detail ever since. This beautifully illustrated book describes 70 years of observations presenting the most detailed records in Europe of how a woodland develops naturally.

Aug 2017 | PB | 9781786392817 | 302pp
£35 | €45 | \$60

Aug 2017 | HB | 9781780648651 | 302pp
£97.99 | €128.95 | \$165



Europe's Changing Woods and Forests

From Wildwood to Managed Landscapes

Edited by **Keith Kirby**, Oxford University, UK, and **Charles Watkins**, University of Nottingham, UK

This book provides a comprehensive account of the relevance of historical studies to current conservation and management of forests. It combines theory with a series of regional case studies to show how different aspects of forestry play out according to the landscape and historical context of the local area.

Oct 2016 | PB | 9781786391926 | 384pp
£45 | €60 | \$75

Jun 2015 | HB | 9781780643373 | 384pp
£101.99 | €133.95 | \$192.50



Conservation and Management of Tropical Rainforests

An integrated approach to sustainability 2nd Edition

Eberhard F Bruenig, Formerly of University of Hamburg, Germany

This book describes the principles of integrated conservation and management that lead to sustainability, identifying the phenomena that regulate rainforest processes. Fully revised and updated, it includes biofuels and carbon credits with respect to tropical forests and their inhabitants, features of the forest and socio-cultural ecosystems.

Dec 2016 | HB | 9781780641409 | 420pp
£97.99 | €128.95 | \$185.50



Forest Hydrology

Processes, Management and Assessment

Edited by **Devendra Amatya**, **Thomas Williams**, **Leon Bren** and **Carmen de Jong**, University of Strasbourg, France

This book presents cutting edge thinking and assessments in forest hydrology across all latitudes and terrains, including state-of-the-art modelling techniques and methodologies. It describes challenges facing forest hydrology such as extreme floods, drought, disease, and fire, and is written by an internationally renowned team.

Sep 2016 | HB | 9781780646602 | 308pp
£97.99 | €128.95 | \$165



Regenerating Forests and Livelihoods in Nepal

A new lease on life

Edited by **Benoît Thierry**, IFAD, Italy

This book documents the success of an innovative programme in the Himalayan foothills of Nepal. It transformed degraded

land into a fertile area where farmers could thrive, bringing in effective cultivation techniques and new crops, with every intervention helping to mitigate climate change and improve farmer resilience to its effects.

Nov 2015 | PB | 9781780646329 | 232pp
£29.95 | €38.95 | \$50

Nov 2015 | HB | 9781780646312 | 232pp
£70 | €90 | \$117.50



Forestry in a Global Context

2nd Edition

Edited by **Roger Sands**, New Zealand School of Forestry, University of Canterbury, New Zealand

This introductory textbook sets world forestry in a social, environmental, historical, and economic context. Fully updated throughout and with new contributions from international experts, this second edition includes new chapters on climate change and international forest policy, and expanded coverage of forest products and bioenergy production.

Oct 2013 | PB | 9781780641584 | 264pp
£45 | €60 | \$85

Nov 2013 | HB | 9781780641560 | 264pp
£96.99 | €123.50 | \$182.50



Tree-Crop Interactions

Agroforestry in a Changing Climate
2nd Edition

Edited by **Chin K Ong**, University of Nottingham, Malaysia, **Colin Black**, Formerly of University of Nottingham, UK, and **Julia Wilson**, Centre for Ecology and Hydrology, UK

This second edition provides an update on the considerable amount of evidence on tree-crop interactions which has accumulated during the last two decades which are typical of the humid tropics. In addition three new chapters have been added to describe the new advances in the relationship between climate change adaptation & rural development.

Oct 2015 | HB | 9781780645117 | 358pp
£101.99 | €133.95 | \$192.50



The CABI Encyclopedia of Forest Trees

CAB International

The CABI Encyclopedia of Forest Trees provides an extensive overview of 300 of the world's most important forest trees. Tropical, subtropical, temperate and boreal trees

of major economic importance are included, covering tree species used in agroforestry practices around the world.

Sep 2013 | HB | 9781780642369 | 536pp
£165.99 | €214 | \$316

Order online at: www.cabi.org/bookshop | order by telephone on: **+44 (0)1235 465577**



The Fight Against Food Shortages **Perspectives of a Practitioner**

John McClintock, ACTION for Food Reserves, Belgium

This book presents a logical argument, rigorously formulated, for practical policy options to fight food shortages. It navigates the reader through issues and ideologies surrounding hunger, presents and tests hypotheses with theory and evidence, and concludes with workable policies to address food crises.

Aug 2020 | HB | 9781786394842 | 192pp
£85 | €110 | \$140



New Land, New Life **A success story of new land resettlement in Bangladesh**

Edited by **Andrew Jenkins** and **Natasha Haider**

The Ganges-Brahmaputra-Meghna delta has newly emerged 'char' islands, which are very vulnerable, socially, institutionally and environmentally. This book explains how the Governments of Bangladesh and the Netherlands cooperated on a land-based rural development project to give settlers security and purpose.

Dec 2019 | PB | 9781789246049 | 198pp
£35 | €45 | \$60



Measuring Food and Nutritional Security: Policy and Practice

Edited by **Muhammad Khalid Bashir**, University of Agriculture, Pakistan, **Steven Schilizzi**, School of Agricultural and Resource Economics, Australia, and **Ghaffar Ali**, Institute of Agricultural and Resource Economics, Pakistan

Food security is widely seen as a crucial objective for policy to reduce undernutrition, particularly in developing countries. However, there are different views on how best to measure it, with implications for policy priorities. This book examines measurement approaches and their implications.

Apr 2020 | HB | 9781786393616 | 208pp
£85 | €110 | \$140



Organic Food Systems **Meeting the Needs of Southern Africa**

Edited by **Raymond Auerbach**, Nelson Mandela University

Reports on recent long-term research trials comparing organic and conventional farming systems in South Africa, which demonstrate a closure of the yield gap between the two systems in three years. Technical tools in organic farming such as farmer training and participatory guarantee systems are also explored in the context of Southern Africa.

Oct 2019 | HB | 9781786399601 | 400pp
£95 | €115 | \$135



Agriculture for Improved Nutrition Seizing the Momentum

Edited by **Shenggen Fan**, International Food Policy Research Institute (IFPRI), **Sivan Yosef**, IFPRI, and **Rajul Pandya-Lorch**

This book reviews research findings, results from on-the-ground programmes, and policy experiences over the past 10 years. It examines the direct and indirect effects of agriculture on nutrition, from biodiversity and crop fortification to programme evaluation and the impact of agricultural policies on consumers' choices and actions.

Jan 2019 | HB | 9781786399311 | 232pp
£85 | €110 | \$140



Rwanda's Land Tenure Reform Non-existent to Best Practice

Thierry Hoza Ngoga, Consultants for Change Ltd, UK

A decade ago, Rwanda embarked on what was described by many to be an ambitious and unachievable land tenure reform programme. Today Rwanda is proud of what has been achieved, and has become an example for other developing countries. This open access book describes the country's unique success story.

Oct 2018 | PB | 9781786394545



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Corporate Social Responsibility Win-win Propositions for Communities, Corporates and Agriculture

Edited by **Suhas P Wani**, Formerly ICRISAT Development Center (IDC), India, and **K V Raju**, International Crop Research Institute for Semi-Arid Tropics, India

This book, the first of its kind, is based on empirical and science-based evidence from the design and implementation of corporate social responsibility (CSR) activities in rural areas. It covers emerging policies and their implications in India, using eight specially written case studies based on actual practices.

Oct 2018 | HB | 9781786394514 | 264pp
£95 | €125 | \$160



Digital Technologies for Agricultural and Rural Development in the Global South

Edited by **Richard Duncombe**, Global Development Institute, UK

There are many initiatives using mobiles, tablets and other devices that have promise to help farmers and improve livelihoods in the developing world. However, the evidence of their effectiveness so far is limited. This book gives practical examples of initiatives and explores theory and data regarding optimising effectiveness.

Apr 2018 | PB | 9781786394804 | 164pp
£37.50 | €50 | \$62.50

Apr 2018 | HB | 9781786393364 | 164pp
£95 | €125 | \$160



Capacity Building for Sustainable Development

Edited by **Valentine Udoh James**, Clarion University of Pennsylvania, USA

Capacity building is an important concept in development – this book pulls together theoretical and applied approaches and

explains how sustainable outcomes can be achieved for a range of examples.

Apr 2018 | HB | 9781780646169 | 316pp
£95 | €125 | \$160



Shifting Cultivation Policies Balancing Environmental and Social Sustainability

Edited by **Malcolm Cairns**, Independent scholar and researcher, Thailand

Shifting cultivation supports around 200 million people in the Asia-Pacific region

alone. This book contains a comprehensive analysis of past and present policy, highlighting success and failure and emphasizing the importance of getting it right for the future.

Nov 2017 | HB | 9781786391797 | 1076pp
£41 | €56.50 | \$66.95



Sustainable Bamboo Development

Zhu Zhaohua, Formerly Chinese Academy of Forestry, China, and **Jin Wei**, International Bamboo and Rattan Organization

This book presents over 40 cases of bamboo development from across 22 major bamboo-industry countries and explores

the knowledge gained from their successes and failures. It synthesises experiences and exchanges with country experts from international training courses, study tours and seminars.

Feb 2018 | HB | 9781786394019 | 314pp
£105 | €140 | \$175



Gender and Rural Globalization International Perspectives on Gender and Rural Development

Edited by **Bettina Bock**, Wageningen University, The Netherlands, and **Sally Shortall**, Newcastle University, UK

This book explores how rural gender relations are changing in a globalized world. It analyses their development in specific places and the effects of the increasing connectedness and mobility of people. It integrates global experiences by discussing mobility, agriculture, gender identities and international development.

Aug 2017 | HB | 9781780646251 | 360pp
£97.99 | €128.95 | \$165



Decentralized Governance of Adaptation to Climate Change in Africa

Edited by **Esbern Friis-Hansen**, Danish Institute for International Studies, Denmark

Effective and sustainable climate adaptation requires an understanding of the political processes within sub-national institutions that mediate between national and local practices. This book focuses on the role of district-level institutions in Sub-Saharan Africa in providing an enabling environment for rural climate change adaptation.

Jul 2017 | HB | 9781786390769 | 172pp
£87.50 | €113 | \$144



Enabling Agri-entrepreneurship and Innovation

Empirical Evidence and Solutions for Conflict Regions and Transitioning Economies

Edited by **Catherine Chan, Brent S Sipes** and **Tina Lee**, University of Hawai'i at Mānoa, USA

This book addresses agri-entrepreneurship in conflict and transitional regions, focusing on small agri-business and farms within communities where individuals face conflicts which impact upon their business growth cycle and economic security.

Feb 2017 | HB | 9781780647753 | 224pp
£97.99 | €128.95 | \$165



Building Agricultural Extension Capacity in Post-Conflict Settings

Edited by **Paul McNamara**, University of Illinois at Urbana-Champaign, USA, and **Austen Moore**, University of Illinois at Urbana-Champaign, USA

This book investigates the experiences and issues involved with rebuilding extension systems in post-conflict settings. It evaluates the impact of different extension policy approaches and practice in such settings, and identifies the key elements needed to effectively rebuild agricultural extension systems and programs in post-conflict contexts.

May 2017 | HB | 9781786390592 | 268pp
£87.50 | €113 | \$144



Big Data's Big Potential in Developing Economies

Impact on Agriculture, Health and Environmental Security

Nir Kshetri, The University of North Carolina, USA

Big Data has the power to change all aspects of agriculture, environmental protection and healthcare, especially in developing countries, by allowing new levels of analysis and tailoring of impacts. The capacity to develop infrastructure and the practical implications of data security are examined in depth.

Oct 2016 | HB | 9781780648682 | 236pp
£87.50 | €113 | \$144



International Trade and Food Security

The Future of Indian Agriculture

Edited by **Floor Brouwer**, LEI – Wageningen UR, The Netherlands, and **P K Joshi**, IFPRI, India

This book explores structural changes in India's agrifood systems during the next ten to twenty years. The dynamics in the agrifood sector is explored in the context of the overall economy, taking into account agricultural and trade policies and their impacts on national and global markets.

Jul 2016 | HB | 9781780642826 | 244pp
£77 | €100 | \$128.95



Potato and Sweetpotato in Africa

Transforming the Value Chains for Food and Nutrition Security

Edited by **Jan Low**, International Potato Center, Kenya, **Moses Nyongesa**, Kenya International Research Institute, Kenya, **Sara Quinn**, International Potato Center, Kenya, and **Monica Parker**, International Potato Center, Kenya

This book addresses five major themes on sweetpotato and potato: policies for germplasm exchange, food security and trade in Africa; seed systems; breeding and disease management; post-harvest management, processing technologies and marketing systems; nutritional value and changing behaviours.

Oct 2015 | HB | 9781780644202 | 662pp
£133.99 | €177 | \$257.50



Food Supply Networks

Trust and E-business

Edited by **Maurizio Canavari**, Alma Mater Studiorum-Università di Bologna, Italy, **Melanie Fritz**, University of Bonn, Germany, and **Gerhard Schiefer**, University of Bonn, Germany

Using case studies from European countries, chapters discuss trust-building methods for food networks in an e-business environment. Key issues include the influence of cultural disparity and cross-border transactions upon major product groups such as meat, cereal products and fresh produce.

Nov 2015 | PB | 9781845936389 | 212pp
£28.99 | €36 | \$48.95

Nov 2015 | HB | 9781845936396 | 212pp
£58.99 | €75 | \$108



Transition to Agricultural Market Economies

The Future of Kazakhstan, Russia and Ukraine

Edited by **Andrew Schmitz**, University of Florida, USA, and **William H Meyers**, University of Missouri, Colombia, USA

This book examines the future of Kazakhstan, Russia, and Ukraine (KRU region) in global agricultural markets. It reviews the meat, dairy, fruits and vegetable sectors with particular attention paid to the potential expansion of the grain sector. It also examines environmental constraints and trade-offs, sustainability and climate change.

Jun 2015 | HB | 9781780645353 | 276pp
£89.99 | €117 | \$170.95

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