

# CABI Books



## Agriculture and Environmental Sciences

# 2019

**KNOWLEDGE FOR LIFE**

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and rural economics

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## A Handbook of Environmental Toxicology

### Human Disorders and Ecotoxicology

Edited by **J P F D'Mello**

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.

**Aug 19 | HB | 9781786394675**  
**£175.00 | €230.00 | \$290.00**



## Food Gardens for a Changing World

**Daniela Soleri, David A Cleveland, Steven E Smith**

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 aspects which influence food gardening.

**May 19 | HB | 9781789240986**  
**£95.00 | €125.00 | \$160.00**  
**May 19 | PB | 9781789240993**  
**£45.00 | €60.00 | \$75.00**



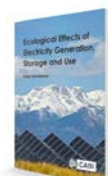
## Air Pollution

### Sources, Impacts and Controls

Edited by **Pallavi Saxena, Naik Vaishali**

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 18 | PB | 9781786393890**  
**£39.99 | €55.00 | \$65.00**

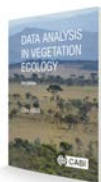


## Ecological Effects of Electricity Generation, Storage and Use

**Peter Henderson**

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 18 | PB | 9781786392015**  
**£25.99 | €35.00 | \$45.00**



## Data Analysis in Vegetation Ecology

### 3rd Edition

Otto Wildi



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 17 | PB | 9781786394224**  
**£39.99 | €55.00 | \$65.00**



## Climate Change Biology

Jonathan A Newman, Madhur Anand,  
 Hugh A L Henry, Shelley L Hunt,  
 Ze'ev Gedalof



*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 11 | HB | 9781845937485**  
**£77.99 | €104.00 | \$150.95**

**Jul 11 | PB | 9781845936709**  
**£39.95 | €55.00 | \$75.00**



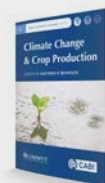
## Analytical Techniques for Natural Product Research

Satyanshu Kumar

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 15 | HB | 9781780644738**  
**£77.99 | €104.00 | \$129.95**

## CABI Climate Change Series



### Climate Change and Crop Production

Edited by **Matthew P Reynolds**

This book provides an overview of the essential disciplines required for sustainable crop production in unpredictable environments.

**May 10 | HB | 9781845936334**  
**£98.99 | €125.00 | \$186.95**

**May 17 | PB | 9781786393081**  
**£45.00 | €60.00 | \$75.00**



## Climate Change Impacts on Urban Pests

Edited by **Partho Dhang**

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 16 | HB | 9781780645377**  
**£75.00 | €100.00 | \$125.00**



## Climate Change Challenges and Adaptations at Farm-level

**Case Studies from Asia and Africa**

Edited by **Naveen P Singh, Cynthia Bantilan, Kattarkandi Byjesh, Swamikannu Nedumaran**

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 15 | HB | 9781780644639**  
**£98.99 | €130.00 | \$165.95**



## Climate Change and Agricultural Water Management in Developing Countries

Edited by **Chu T Hoanh, Vladimir Smakhtin, Robyn Johnston**

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 15 | HB | 9781780643663**  
**£98.99 | €130.00 | \$165.95**



## Climate Change and Insect Pests

Edited by **Christer Björkman, Pekka Niemelä**

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 15 | HB | 9781780643786**  
**£77.99 | €104.00 | \$150.95**



## Asian Citrus Psyllid Biology, Ecology and Management of the Huanglongbing Vector

Edited by **Philip A Stansly,**  
**Jawwad A Qureshi**

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

**Sep 19 | HB | 9781786394088**  
**£95.00 | €125.00 | \$160.00**



## Optical Manipulation of Pests and Beneficial Arthropods

Edited by **David Ben-Yakir**

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.

**Nov 19 | HB | 9781786394705**  
**£85.00 | €110.00 | \$140.00**



## Economic and Ecological Entomology

**A Global Synthesis**

**Brian Freeman**

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.

**Sep 19 | HB | 9781789241181**  
**£195.00 | €255.00 | \$320.00**



## The Discovery of a Visual System: the Honeybee

**Adrian Horridge**

A new theory of how honeybees see the world from one of the world's most eminent neuroscientists.

**May 19 | HB | 9781789240894**  
**£85.00 | €110.00 | \$140.00**



## Culiclopedia

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

Ralph E. Harbach

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 18 | HB | 9781786399052**  
**£175.00 | €230.00 | \$290.00**



## British and Irish Butterflies

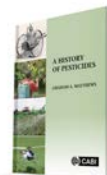
An Island Perspective

Roger L H Dennis, Peter B Hardy

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 18 | HB | 9781786395061**  
**£75.00 | €100.00 | \$125.00**



## A History of Pesticides

Graham A Matthews

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 18 | HB | 9781786394873**  
**£95.00 | €125.00 | \$160.00**



## Aphids as Crop Pests

2nd Edition

Edited by Helmut F van Emden,  
 Richard Harrington

A classic comprehensive reference on the biology and management of aphids occurring in crops, this new edition reflects

the expansion of genomic research, semiochemicals and endosymbionts, and the shift away from purely chemical control towards more integrated methods.

**Aug 17 | HB | 9781780647098**  
**£175.00 | €230.00 | \$290.00**



## Keys to the Tropical Fruit Flies of South-East Asia

(Tephritidae: Dacinae)

**Richard A I Drew, 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 16 | HB | 9781780644196**  
**£125.00 | €165.00 | \$205.00**



## Integrated Management of Insect Pests on Canola and Other Brassica Oilseed Crops

Edited by **Gadi V P Reddy**

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 17 | HB | 9781780648200**  
**£175.00 | €230.00 | \$290.00**



## Tropical Fruit Flies of South-East Asia

(Tephritidae: Dacinae)

**Richard A I Drew, 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 13 | HB | 9781780640358**  
**£139.99 | €182.00 | \$264.95**



## Biology of Mosquitoes, Volume 3

Transmission of Viruses and Interactions with Bacteria

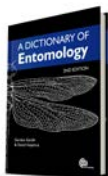
**Alan N Clements**

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 11 | HB | 9781845932428**  
**£160.99 | €208.00 | \$301.95**





## Dictionary of Entomology

2nd Edition

**Gordon Gordh, David H Headrick**

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 11 | HB | 9781845935429**

**£108.99 | €140.00 | \$207.95**

# Crop Protection Compendium

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

[www.cabi.org/cpc](http://www.cabi.org/cpc)



## **The Himalayan Soap Pod Tree (*Gymnocladus assamica*)**

**An Ecologically and Economically  
Important Tree on the Brink of Extinction**

**Baharul I Choudhury,  
Mohammed Latif Khan**

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.

**Sep 19 | HB | 9781786391988  
£95.00 | €125.00 | \$160.00**



## **The Ecology and Silviculture of Oaks** 3rd Edition

**Paul S Johnson, Stephen R Shifley,  
Robert Rogers, Daniel C Dey,  
John M Kabrick**

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.

**Mar 19 | HB | 9781780647081  
£150.00 | €195.00 | \$250.00**



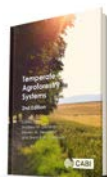
## **The Silviculture of Trees Used in British Forestry**

**3rd Edition**

**Peter S Savill**

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.

**Aug 19 | HB | 9781786393920  
£95.00 | €125.00 | \$160.00**



## **Temperate Agroforestry Systems** 2nd Edition

Edited by **Andrew M Gordon,  
Steven M Newman, Brent Coleman**

This second 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 18 | HB | 9781780644851  
£95.00 | €125.00 | \$160.00**



## Field Guide for the Identification of Damage on Woody Sentinel Plants

Edited by **Alain Roques, Michelle Cleary, Iryna Matsiakh, René Eschen**

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. Contains 800 full colour, high-quality photographs to aid analysis.

**Sep 17 | 9781786394408**



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## Conservation and Management of Tropical Rainforests

An integrated approach to sustainability  
**2nd Edition**

**Eberhard F Bruenig**

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 16 | HB | 9781780641409**  
**£95.00 | €125.00 | \$180.00**



## Woodland Development

**A Long-term Study of Lady Park Wood**

**George Peterken, Edward Mountford**

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 17 | HB | 9781780648651**  
**£95.00 | €125.00 | \$160.00**

**Aug 17 | PB | 9781786392817**  
**£35.00 | €45.00 | \$60.00**



## Europe's Changing Woods and Forests

**From Wildwood to Managed Landscapes**

Edited by **Keith Kirby, Charles Watkins**

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.

**Jun 15 | HB | 9781780643373**  
**£98.99 | €130.00 | \$186.95**

**Oct 16 | PB | 9781786391926**  
**£45.00 | €60.00 | \$75.00**



## Forest Hydrology Processes, Management and Assessment

Edited by **Devendra Amatya, Thomas Williams, Leon Bren, Carmen de Jong**

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 16 | HB | 9781780646602**  
**£95.00 | €125.00 | \$160.00**



## Tree-Crop Interactions Agroforestry in a Changing Climate 2nd Edition

Edited by **Chin K Ong, Colin Black, Julia Wilson**

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 15 | HB | 9781780645117**  
**£98.99 | €130.00 | \$186.95**



## Regenerating Forests and Livelihoods in Nepal

**A new lease on life**

Edited by **Benoît Thierry**

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 15 | HB | 9781780646312**  
**£67.99 | €88.00 | \$113.95**



## Forestry in a Global Context 2nd Edition

Edited by **Roger Sands**



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.

**Nov 13 | HB | 9781780641560**  
**£93.99 | €120.00 | \$176.95**  
**Oct 13 | PB | 9781780641584**  
**£45.00 | €60.00 | \$85.00**

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



## The CABI Encyclopedia of Forest Trees

**CABI**

*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 13 | HB | 9781780642369**

**£160.99 | €208.00 | \$306.95**

# Forest Science

The complete Forest Science internet resource covering forestry, wood science and agroforestry research

[www.cabi.org/forestsience](http://www.cabi.org/forestsience)





## The Economics of Integrated Pest Management for Insects

Edited by **David W Onstad, Philip Crain**

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.

**Oct 19 | HB | 9781786393678**  
**£85.00 | €110.00 | \$140.00**



## Emerging Trends in Agri-Nanotechnology

**Fundamental and Applied Aspects**

Edited by **Harikesh Bahadur Singh, Sandhya Mishra, Leonardo Fernandes Fraceto, Renata de Lima**

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 18 | HB | 9781786391445**  
**£125.00 | €165.00 | \$205.00**



## The Bioeconomy

**Delivering Sustainable Green Growth**

**Davide Viaggi**

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.

**Nov 18 | HB | 9781786392756**  
**£85.00 | €110.00 | \$140.00**



## Fair Trade and Organic Agriculture

**A Winning Combination?**

Edited by **Priyanka Parvathi, Ulrike Grote, Hermann Waibel**

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 17 | HB | 9781786393050**  
**£85.00 | €110.00 | \$140.00**



## **Farm Business Management** **The Human Factor** **2nd Edition**

**Peter L Nuthall**

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 18 | HB | 9781789240733**  
**£95.00 | €125.00 | \$160.00**



## **Farm Business Management** **Analysis of Farming Systems** **Peter L Nuthall**

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 11 | HB | 9781845938390**  
**£124.99 | €166.00 | \$238.95**



## **Farm Business Management** **The Core Skills**

**Peter L Nuthall, Michael L. Thompson,**  
**Patrick J. Skelly**

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 10 | HB | 9781845936679**  
**£98.99 | €125.00 | \$186.95**



## **Farm Business Management,** **3 volume set** **The Human Factor, 2nd Edition** **Analysis of Farming Systems** **The Core Skills**

**Dec 18 | HB | 9781789241525**  
**£239.00 | €269.00 | \$310.00**



## Global Urban Agriculture

Edited by **Antoinette M.G.A. WinklerPrins**

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 17 | HB | 9781780647326**  
**£85.00 | €110.00 | \$140.00**



## Indigenous Knowledge

**Enhancing its Contribution to  
Natural Resources Management**

Edited by **Paul Sillitoe**

*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 17 | HB | 9781780647050**  
**£95.00 | €125.00 | \$160.00**



## Automation in Tree Fruit Production Principles and Practice

Edited by **Qin Zhang**

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 17 | HB | 9781780648507**  
**£125.00 | €165.00 | \$205.00**



## Farm Business Management The Fundamentals of Good Practice

**Peter L Nuthall**



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 16 | HB | 9781780646565**  
**£125.00 | €165.00 | \$205.00**

**Apr 16 | PB | 9781780646572**  
**£39.99 | €55.00 | \$65.00**





## Plant Biodiversity

### Monitoring, Assessment and Conservation

Edited by **Abid A Ansari, Sarvajeet Singh Gill, Zahid Khorshid Abbas, M Naeem**

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 16 | HB | 9781780646947**  
**£150.00 | €195.00 | \$250.00**



## Review of Invertebrate Biological Control Agents Introduced into Europe

**Esther Gerber, Urs Schaffner**

This book provides an overview of all documented releases of exotic (non-European) invertebrate biological control

agents (IBCA) into the environment in Europe and summarizes key information on the target species as well as on the biological control agent released.

**Nov 16 | HB | 9781786390790**  
**£95.00 | €125.00 | \$160.00**



## Conservation Agriculture for Africa

### Building Resilient Farming Systems in a Changing Climate

Edited by **Amir H Kassam, Saidi Mkomwa, Theodor Friedrich**

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 16 | HB | 9781780645681**  
**£95.00 | €125.00 | \$160.00**



## Farm-level Modelling

### Techniques, Applications and Policy

Edited by **Shailesh Shrestha, Andrew Barnes, Bouda Vosough Ahmadi**

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 16 | HB | 9781780644288**  
**£85.00 | €110.00 | \$140.00**



## Intellectual Property Issues In Biotechnology

Edited by **Harikesh Bahadur Singh, Alok Jha, Chetan Keswani**

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 16 | HB | 9781780646534**  
**£95.00 | €125.00 | \$160.00**



## Millets Value Chain for Nutritional Security

**A Replicable Success Model from India**

**Benhur Dayakar Rao, N G Mallesh, George A Annor, Jagannath Vishnu Patil**

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 16 | HB | 9781780648309**  
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## Harnessing Dividends from Drylands

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## Visual Soil Evaluation

### Realizing Potential Crop Production with Minimum Environmental Impact

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Visual Soil Evaluation (VSE) provides land users and environmental authorities with the tools to assess soil quality for crop performance. This book describes the assessment of the various structural conditions of soil especially after quality degradation. Covering a range of land types it assesses yield potential across a range of scales.

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## Land-Use Change Impacts on Soil Processes

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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.

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

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This book 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 3 years. Technical tools in organic farming such as farmer training and participatory guarantee systems are also explored in the context of Southern Africa.

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

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This book, the first of its kind, is based on empirical and science-based evidence from the design and implementation of corporate

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**Oct 18 | 9781786394545**



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## Digital Technologies for Agricultural and Rural Development in the Global South

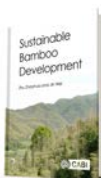
Edited by **Richard Duncombe**

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 18 | HB | 9781786393364**  
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**Apr 18 | PB | 9781786394804**  
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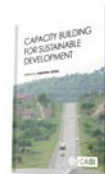
## Sustainable Bamboo Development

**Zhu Zhaohua, Jin Wei**

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.

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## Capacity Building for Sustainable Development

Edited by **Valentine Udoh James**

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.

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## Shifting Cultivation Policies Balancing Environmental and Social Sustainability

Edited by **Malcolm Cairns**

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 17 | HB | 9781786391797**  
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## Gender and Rural Globalization International Perspectives on Gender and Rural Development

Edited by **Bettina Bock, Sally Shortall**

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 17 | HB | 9781780646251**  
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## Building Agricultural Extension Capacity in Post-Conflict Settings

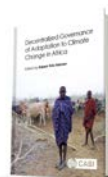
**Case Studies**

Edited by **Paul McNamara, Austen Moore**

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 programmes in post-conflict contexts.

**May 17 | HB | 9781786390592**  
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## Decentralized Governance of Adaptation to Climate Change in Africa

Edited by **Esbern Friis-Hansen**

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 17 | HB | 9781786390769**  
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## Enabling Agri-entrepreneurship and Innovation

**Empirical Evidence and Solutions for  
Conflict Regions and Transitioning  
Economies**

Edited by **Catherine Chan, Brent S Sipes,  
Tina Lee**

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.

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## Big Data's Big Potential in Developing Economies

Impact on Agriculture, Health and Environmental Security

**Nir Kshetri**

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.

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## Food Supply Networks

Trust and E-business

Edited by **Maurizio Canavari, Melanie Fritz, Gerhard Schiefer**

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 15 | HB | 9781845936396**  
**£56.99 | €73.00 | \$105.00**

**Nov 15 | PB | 9781845936389**  
**£28.99 | €36.00 | \$48.95**



## International Trade and Food Security

The Future of Indian Agriculture

Edited by **Floor Brouwer, P K Joshi**

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 16 | HB | 9781780642826**  
**£75.00 | €100.00 | \$125.00**



## Potato and Sweetpotato in Africa

Transforming the Value Chains for Food and Nutrition Security

Edited by **Jan Low, Moses Nyongesa, Sara Quinn, Monica Parker**

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 15 | HB | 9781780644202**  
**£129.99 | €172.00 | \$249.95**





## **Transition to Agricultural Market Economies**

### **The Future of Kazakhstan, Russia and Ukraine**

Edited by **Andrew Schmitz, William H Meyers**

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 15 | HB | 9781780645353**  
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