

CABI Books 2017



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CABI is a not-for-profit organization. Our profits support rural development projects that go some way to helping the world's poorest people to grow more, lose less and improve their livelihoods.

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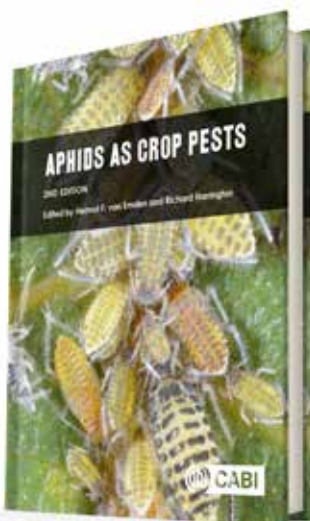
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agriculture and
international
development



Aphids as Crop Pests, 2nd Edition

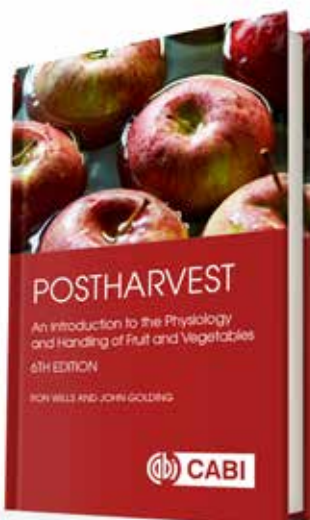
Edited by **Helmut van Emden**, University of Reading, UK, **Richard Harrington**, Rothamsted Research, UK

This revision and update of the well-received first edition reflects the expansion of research in genomics, endosymbionts and semiochemicals as well as the shift from control of aphids with insecticides to a more integrated approach imposed by increasing resistance in the aphids and government restrictions on pesticides. The book remains a comprehensive and up-to-date reference work on the biology of aphids, the various methods of controlling them, and the progress of integrated pest management, as illustrated by ten case histories.

May 2017 | HB | 650 Pages | 9781780647098

£175 | €230 | \$290

www.cabi.org/bookshop/book/9781780647098



Postharvest, 6th Edition

An Introduction to the Physiology and Handling of Fruit and Vegetables



Ron Wills, University of Newcastle, Australia, **John Golding**, New South Wales Department of Primary Industries, Australia

Completely updated, this broad-based introductory level textbook covers the key concepts and practical technologies to slow the deterioration of harvested produce, including handling, packaging, transport, temperature management, and the control of pests and diseases. Retaining the high quality colour section, the content has been revised to include: discussions of issues important to consumers; the impact of trends in convenience marketing on the quality of fresh-cut produce; sustainability; and health benefits of plant antioxidant properties and a discussion of 'superfoods'.

September 2016 | PB | 304 Pages | 9781786391483

£39.99 | €55 | \$75

www.cabi.org/bookshop/book/9781786391483

Agro Economics



Enabling Agri-entrepreneurship and Innovation

Empirical Evidence and Solutions for Conflict Regions and Transitioning Economies

Edited by **Catherine Chan**, **Brent Sipes**, **Tina Lee**, all University of Hawai'i at Manoa, 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. A product of a collaboration of experts in the fields of agri-business, agricultural marketing, and international development, this book gives officials and agencies developing entrepreneurship programs the practical real-life examples they need.

January 2017 | HB | 256 Pages | 9781780647753
£95 | €125 | \$160

www.cabi.org/bookshop/book/9781780647753



Transition to Agricultural Market Economies

The Future of Kazakhstan, Russia and Ukraine

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

This book examines the future of the KRU countries in global agricultural markets and will examine a number of agricultural sectors, including meat, dairy, fruits, and vegetables. However, particular attention is paid to the region's potential expansion of the grain sector and why the KRU region emerged during the 2000s as a major grain exporter, and its potential to further expand grain production and exports. It also examines the issues of environmental constraints and trade-offs for agriculture, sustainability, and the possible effects of climate change.

June 2015 | HB | 276 Pages | 9781780645353
£85 | €110 | \$160

www.cabi.org/bookshop/book/9781780645353

Climate Change



Climate Change and Agricultural Water Management in Developing Countries

CABI Climate Change Series

Edited by **Chu Thai Hoanh, Robyn Johnston, Vladimir Smakhtin**, all International Water Management Institute (IWMI), Colombo, Sri Lanka

The book provides an analysis of the 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. Adaptation measures, including groundwater management, water storage, small and large scale irrigation to support agriculture and aquaculture, are presented. Agricultural implications of sea level rise, as a subsequent impact of climate change, are also examined.

December 2015 | HB | 240 Pages | 9781780643663
£95 | €125 | \$160

www.cabi.org/bookshop/book/9781780643663



Livestock Production and Climate Change

CABI Climate Change Series

Edited by **Pradeep K Malik, Raghavendra Bhatta** both National Institute of Animal Nutrition and Physiology, India, **Junichi Takahashi**, Obihiro University of Agriculture and Veterinary Medicine, Japan, **Richard A**

Kohn, College of Agriculture and Natural Sciences, University of Maryland, USA, **Cadaba S Prasad**, National Institute of Animal Nutrition and Physiology, India

This book approaches the issues of livestock production and climate change. Section one addresses issues of feed quality and availability, abiotic stress and strategies for alleviation. Section two discusses the effects of climate change on livestock diversity and farm animal reproduction. The third section deals with the most recent approaches to amelioration of livestock methane.

April 2015 | HB | 408 Pages | 9781780644325
£95 | €125 | \$180

www.cabi.org/bookshop/book/9781780644325



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, **Gudbrand Lien**, Lillehammer University College, Norway

This revised third edition of the popular textbook includes updated chapters on theory and methods and contains a new chapter discussing the state-contingent approach to the analysis of production and the use of copulas to better model stochastic dependency. This book is an indispensable guide for students and researchers of agriculture and agribusiness management.

April 2015 | HB | 288 Pages | 9781780645742
£80 | €105 | \$150

April 2015 | PB | 288 Pages | 9781780642406
£39.95 | €55 | \$75

www.cabi.org/bookshop/book/9781780645742



Climate Change and Insect Pests

CABI Climate Change Series

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

Insects, being poikilothermic, are among the organisms that are most likely to respond to changes in climate, particularly increased temperatures. Range expansions into new areas further north and to higher elevations, are already well documented, as are physiological and phenological responses. It is anticipated that the damage by insects will increase as a consequence of climate change. However, the evidence in support of this common "belief" is sparse. *Climate Change and Insect Pests* sums up present knowledge regarding both agricultural and forest insect pests and climate change in order to identify future research directions.

October 2015 | HB | 292 Pages | 9781780643786
£75 | €100 | \$145

www.cabi.org/bookshop/book/9781780643786

Farming



Conservation Agriculture in Subsistence Farming

Case Studies from South Asia and Beyond

Edited by **Catherine Chan, Jean Fantle-Lepczyk**, both University of Hawai'i at Manoa, USA

Conservation agriculture systems have long-term impacts on livelihoods, agricultural production, gender equity, and regional economic development of tribal societies in South Asia. 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. The book takes an interdisciplinary approach to analyse systems at scales ranging from household to regional and national levels.

June 2015 | HB | 278 Pages | 9781780644233
£85 | €110 | \$160

www.cabi.org/bookshop/book/9781780644233



Farm-Level Modelling Techniques, Applications and Policy

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

This book provides an in-depth description of different methodologies and techniques currently used in farm-level modelling, giving an overview of the theoretical grounding behind the models, an applied approach is also used. Case studies range from the application of modelling to policy reforms and the subsequent impacts on rural communities and food supply.

September 2016 | HB | 238 Pages | 9781780644288
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781780644288



Farm Business Management The Fundamentals of Good Practice



Peter L. Nuthall, Lincoln University,
New Zealand

Following the author's *Farm Business Management* series, this new textbook takes the core principles and techniques and distils them into an accessible student resource. This book covers the most important aspects of farm management such as observation, decision making, budgeting, risk assessment and record keeping, and includes student-focused pedagogy throughout. Written by an expert with decades of teaching and research experience around the world, the book also incorporates two brand new chapters on farm accounting and computer systems and software.

April 2016 | HB | 374 Pages | 9781780646565
£125 | €165 | \$205

April 2016 | PB | 374 Pages | 9781780646572
£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781780646565



Legumes in Cropping Systems

Edited by **Donal Murphy-Bokern**,
Independent Consultant, Germany, **Fred Stoddard**,
University of Helsinki, Finland, **Christine Watson**,
SRUC, UK

Based on contributions from the Legumes Future research consortium and other projects, this book acts as a complete and coherent overarching review of legume research. Describing current knowledge relating to the use of legumes in cropping systems, it also looks towards future research, challenges and opportunities. In each chapter, the authors review current literature to help support understanding and provide insight in to the underlying processes that influence cropping system development. Presented in full-colour throughout, this book includes coverage of: intercropping with legumes and cereals; legumes as a primary protein source; crop protection progress; and policy issues.

April 2017 | HB | 304 Pages | 9781780644981
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781780644981

Food Security



Building Agricultural Extension Capacity in Post-Conflict Settings: Case Studies

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

This book investigates the experiences and issues involved with rebuilding extension systems (including public sector, private sector, and non-governmental organization (NGO) extension) in post-conflict settings, 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. The chapters include country-specific case studies that provide a descriptive account but also analyse strategies, successes and failures, and lessons learned.

April 2017 | HB | 248 Pages | 9781786390592
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781786390592



Global Urban Agriculture

Edited by **Antoinette M G A WinklerPrins**,
US National Science Foundation, USA

This edited volume brings together current research and case material about urban agriculture from both the Global North (GN) and the Global South (GS), revealing greater areas of overlap than difference both theoretically and substantively, and that research in one area can help inform the other. It explains how urban agriculture supports livelihoods, provides ecosystem services and community development; its contribution to social capital, networks, and agro-biodiversity conservation.

April 2017 | HB | 251 Pages | 9781780647326 | £85 | €110 | \$140

www.cabi.org/bookshop/book/9781780647326



The Nature of Crops

How we came to eat the plants we do

John Warren, Aberystwyth University, UK

Have you ever wondered why we eat wheat, rice, potatoes and cassava? Why we routinely domesticate foodstuffs with the power to kill us, or why we chose almonds over acorns? Answering all these questions and more in a readable and friendly style, this book takes you on a journey through our history with crop plants. Arranged into recurrent themes in plant domestication, this book documents the history and biology of over 50 crops, including cereals, spices, legumes, fruits and cash crops such as chocolate, tobacco and rubber.

April 2015 | HB | 192 Pages | 9781780645087
£45 | €60 | \$85

April 2015 | PB | 192 Pages | 9781780645094
£19.95 | €25 | \$40

www.cabi.org/bookshop/book/9781780645087



Crop Improvement, Adoption and Impact of Improved Varieties in Food Crops in Sub-Saharan Africa

Edited by **Thomas S Walker**, Independent
Consultant, USA, **Jeffery Alwang**, Virginia Tech,
USA

Following on from the CGIAR study by Evenson and Gollin (published by CABI in 2003), this volume provides up-to-date estimates of adoption outcomes and productivity impacts of crop variety improvement research in sub-Saharan Africa. The book reports on the results of the DIIVA Project that focused on the varietal generation, adoption and impact for 20 food crops in 30 countries. It also compares adoption outcomes in sub-Saharan Africa with those in South Asia, and guides future efforts for global agricultural research.

October 2015 | HB | 478 Pages | 9781780644011
£125 | €165 | \$240

www.cabi.org/bookshop/book/9781780644011



Food Supply Networks

Trust and E-business

Edited by **Maurizio Canavari**, Università di Bologna, Italy, **Melanie Fritz, Gerhard Schiefer**, both 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.

November 2015 | HB | 212 Pages | 9781845936396
£55 | €70 | \$95

November 2015 | PB | 212 Pages | 9781845936389
£27.50 | €35 | \$47.50

www.cabi.org/bookshop/book/9781845936396



Harnessing Dividends from Drylands

Innovative Scaling up with Soil Nutrients

Edited by **K V Raju, Suhas P Wani**, both ICRIAT Development Center (IDC), India

This book describes how a partnership between a global scientific organization (such as the International Crops Research Institute

for the Semi-Arid Tropics, ICRIAT) and state and non-state actors can provide a route to equitable growth, specifically for small and marginal farmers, and how this approach can be replicated worldwide to enhance rural livelihoods. This strategic collaboration and its conceptual and functional design is fully outlined, as well as the scheme's implementation and the effective monitoring and learning process that has been created.

September 2016 | HB | 334 Pages | 9781780648156
£115 | €150 | \$190

www.cabi.org/bookshop/book/9781780648156



Millets Value Chain for Nutritional Security

A Replicable Success Model from India

B Dayakar Rao, Indian Institute of Millets Research, India, **N G Malleshi**, Central Food Technological Research Institute, India, **George A Annor**, University of Ghana, Ghana, **J V Patil**, Indian Institute of Millets Research, India

This book demonstrates a successful and sustainable model for value addition to millets from production to consumption, based on practical experience and the output of a National Agricultural Innovation Project. The authors outline interventions in an integrated approach to revive the demand for millets as a convenient and nutritive option for consumers, whilst presenting a reliable model that can be adapted for the development of other commodities. Coverage includes nutritional evaluation, on-farm cultivation and intervention in food processing.

August 2016 | HB | 254 Pages | 9781780648309
£95 | €125 | \$160

www.cabi.org/bookshop/book/9781780648309

Gender and Rural Globalization

International Perspectives on Gender and Rural Development

Edited by **Sally Shortall**, Newcastle University, UK, **Bettina Bock**, University of Groningen, The Netherlands

This book explores how rural gender relations are changing in a globalizing world that fundamentally impacts on the structure of agricultural life in rural areas and urban-rural relations. It analyses the development of rural gender relations in specific places around the world and looks into the effects of the increasing connectivity and mobility of people across places. The themes covered are: gender and mobility; gender and agriculture; Gender and rural politics; rurality and gender identity, and women and international development. Each theme has an overview of the state of affairs in that specific thematic area and integrates the case studies that follow.

October 2017 | HB | 304 Pages | 9781780646251
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781780646251



International Trade and Food Security

The Future of Indian Agriculture

Edited by **Floor Brouwer**, LEI – Wageningen UR, The Netherlands, **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. The contributors draw on qualitative and quantitative approaches, using both a national model, to focus on urban-rural relations and income distribution and an international model, to focus on patterns of economic growth and international trade.

July 2016 | HB | 244 Pages | 9781780642826
£75 | €100 | \$125

www.cabi.org/bookshop/book/9781780642826



Potato and Sweetpotato in Africa

Transforming the Values Chains for Food and Nutrition Security
Edited by **Jan Low**, International Potato Center, Kenya, **Moses Nyongesa**, Kenya International Research Institute, Kenya, **Sara Quinn, Monica Parker**, both 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.

October 2015 | HB | 662 Pages | 9781789644202
£125 | €165 | \$240

www.cabi.org/bookshop/book/9781789644202



Shifting Cultivation Policies Balancing Environmental and Social Sustainability

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

Shifting cultivation supports as many as 300 million people in the Asia-Pacific region alone. Yet Governments often regard it as a

primitive and inefficient form of agriculture that destroys forests, causes soil erosion and robs lowland areas of water. We must urgently challenge these misconceptions and consider the policy implications. Supported and encouraged, swidden farming has the potential to play a major role in carbon sequestration and conservation of land and biodiversity, as well as retaining a cultural heritage of many thousands of years. This comprehensive analysis of past and present policy highlights successes and failures.

August 2017 | HB | 1060 Pages | 9781786391797
£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781786391797

Pests



Bt Resistance Characterization and Strategies for GM Crops Producing *Bacillus thuringiensis* Toxins

CABI Biotechnology Series

Edited by **Mario Soberón**, Universidad Nacional Autónoma de México, Mexico, **Yulin Gao**, Chinese Academy of Agricultural

Sciences, China, **Alejandro Bravo**, Universidad Nacional Autónoma de México, Mexico

This book describes the use of Bt crops and the emerging problem of resistance, recent progress in understanding the mechanism of action of Bt toxins, different resistance mechanisms and strategies to cope with resistance in the field. It describes resistant insects found in the field in different countries, particularly in the developing world, and ways to counter resistance such as gene stalking, refuges, modified toxins, and gene discovery of novel toxins with different mode of action.

April 2015 | HB | 226 Pages | 9781780644370
£75 | €100 | \$145

www.cabi.org/bookshop/book/9781780644370



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

Richard A I Drew, Meredith C Romig, both Griffith University, Australia

A companion volume to the *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 covers areas including India, Bhutan, Nepal, Sri Lanka, Myanmar, China, Taiwan, Japan, the Philippines, Palau, Vietnam, Thailand, Singapore, Malaysia and Indonesia. This major new reference work is produced by experts with over 80 years, combined research experience and, through simple identification, information can help prevent these major pest species being introduced to new geographical areas.

November 2016 | HB | 496 Pages | 9781780644196
£125 | €165 | \$205

www.cabi.org/bookshop/book/9781780644196



Sustainable Crop Disease Management using Natural Products

Edited by **Sangeetha Ganesan**, Central Horticultural Experiment Station (ICAR-IIHR), India, **Kuruचेve Vadivel**, Annamalai University, India, **Jayaraj Jayaraman**, The University of The West Indies, Trinidad and Tobago

This book deals with immediate concerns in the field of natural and alternative products for disease control, apart from using biocontrol organisms. This book presents up-to-date information on natural products and compounds derived from biological origins and thoroughly discusses their applicability, field use and prospects for adoption.

November 2015 | HB | 424 Pages | 9781780643236
£115 | €150 | \$190

www.cabi.org/bookshop/book/9781780643236



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

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

Canola is the second largest oilseed crop in the world, but its production has declined significantly in recent years due to insect pest problems.

The canola pest complexes are responsible for high insecticide applications on canola and many growers rely on calendar-based spraying schedules for insecticide applications. This book comprehensively reviews current pest management practices and explores new biological and chemical control methods and integrated pest management strategies in Brassica oilseed crops. It is essential reading for pest management practitioners and researchers working on pest management in canola and other Brassica crops worldwide.

March 2017 | HB | 416 Pages | 9781780648200
£175 | €230 | \$290

www.cabi.org/bookshop/book/9781780648200



Pest Management in Organic Farming CABI Plant Protection Series

Edited by **Vincenzo Vacante**, Mediterranean University, Italy, **Serge Kreiter**, Montpellier SupAgro, France

Organic agriculture practices limit the options available for pest control, relying on cultural and physical methods as well as biological

control. This book details the various methods of control applied in organic farming for the major horticultural and agronomic crops, and includes summary tables of the technical means allowed by international regulations. With contributions from international authors, it provides a comprehensive review of pest management in organic systems.

August 2017 | HB | 384 Pages | 9781780644998
£95 | €125 | \$180

www.cabi.org/bookshop/book/9781780644998



Review of Invertebrate Biological Control Agents Introduced into Europe

Esther Gerber, Longo Mai, Switzerland,
Urs Schaffner, CABI Switzerland, Switzerland

An overview of all documented releases of exotic (non-European) invertebrate biological control agents into the environment in Europe.

The book summarizes key information on the target species as well as on the biological control agent released. It covers the period from 1897 to the end of 2009 and is largely based on the BIOCAT database, which contains records of the introduction of insect natural enemies, namely parasitoids and predators, for the control of insect pests worldwide.

November 2016 | HB | 208 Pages | 9781786390790
£95 | €125 | \$180

www.cabi.org/bookshop/book/9781786390790



The Handbook of Mites of Economic Plants

Identification, Bio-ecology and Control

Vicenzo Vacante, Mediterranean University, Italy

Mites pose a serious problem to plants worldwide, attacking crops and spreading disease. They are among the most successful of invertebrates, and responsible for significant

crop losses. This encyclopedia provides a thorough coverage of the mites and the problems they cause, describing their prevalence in different regions and appropriate control methods. Mite collection and laboratory study are covered. The following Mite families are included: Eriophyoidea, Tarsonemidae, Tuckerellidae, Tenuipalpidae, Tetranychidae, Acaridae, Penthaleidae.

December 2015 | HB | 890 Pages | 9781845939946
£185 | €240 | \$350

www.cabi.org/bookshop/book/9781845939946



The UK Pesticide Guide 2017

Edited by **Martin Lainsbury**, Association of Independent Crop Consultants (AICC), BCPC for the UKPG

The UK Pesticide Guide 2017 has 7 new active ingredient profiles. The two confirmed as available in 2017 are cyantraniliprole for insect control in headed brassicas and halauxifen-methyl +/-

fluroxypyr for broad-leaved weed control in cereals. 5 are currently only listed as Products also Registered (PARs) and are buprofezin for insect control in protected Solonaceae, penhoxamid for weed control in grain maize and winter oilseed rape, Pepino Mosaic Virus for suppression of viral diseases in protected tomatoes, Pythium oligandrun M1 for disease control in spring barley, wheat and oilseed rape, and Tembotrione for weed control in maize and sweetcorn. In addition, hazard precautions have been upgraded and the roll out of extended buffer zones, for some products, continues with many products re-approved under new MAPP numbers.

January 2017 | PB | 800 Pages | 9781901396683
£52.50 | €70 | \$85

www.cabi.org/bookshop/book/9781780644370

The Pesticide Encyclopedia

Vasant Gowariker, V N Krishnamurthy, Sudha Gowariker, Kalyani Paranjape
December 2014 | HB | 726 Pages | 9781780640143 £195 | €255 | \$370
www.cabi.org/bookshop/book/9781780640143

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

Berkeley Hill
November 2014 | PB | 256 Pages | 9781780644752 £39.95 | €55 | \$75
www.cabi.org/bookshop/book/9781780644752

Climate Change Impact and Adaptation in Agricultural Systems

Jurg Fuhrer, P J Gregory
June 2014 | HB | 298 Pages | 9781780642895 £85 | €110 | \$160
www.cabi.org/bookshop/book/9781780642895

Tropical Fruit Flies of South-East Asia

Richard A I Drew, Meredith C Romig
December 2013 | HB | 664 Pages | 9781780640358 £135 | €175 | \$255
www.cabi.org/bookshop/book/9781780640358

Nutrient Deficiencies of Field Crops: Guide to Diagnosis and Management

Prakash Kumar, Manoj Kumar Sharma
December 2013 | HB | 400 Pages | 9781780642789 \$130 | €175 | \$250
www.cabi.org/bookshop/book/9781780642789

Promoting Investment in Agriculture for Increased Production and Productivity

Saifullah Syed, Masahiro Miyazako
November 2013 | HB | 112 Pages | 9781780643885 £65 | €85 | \$125
www.cabi.org/bookshop/book/9781780643885

Realizing Africa's Rice Promise

Marco C S Wopereis, David Johnson, Nourallah Ahmadi, Eric Tollens, Abdulai Jalloh
October 2013 | HB | 480 Pages | 9781845938123 £115 | €150 | \$220
www.cabi.org/bookshop/book/9781845938123

Hemp: Industrial Production and Uses

Pierre Boulloc, Serge Allegret, Laurent Arnaud
September 2013 | HB | 328 Pages | 9781845937935 £90 | €115 | \$170
September 2013 | PB | 328 Pages | 9781845937928 £45 | €60 | \$85
www.cabi.org/bookshop/book/9781845937935

Managing Water and Agroecosystems for Food Security

Elinee Boelee
August 2013 | HB | 192 Pages | 9781780640884 £80 | €105 | \$150
www.cabi.org/bookshop/book/9781780640884

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Bharat Singh
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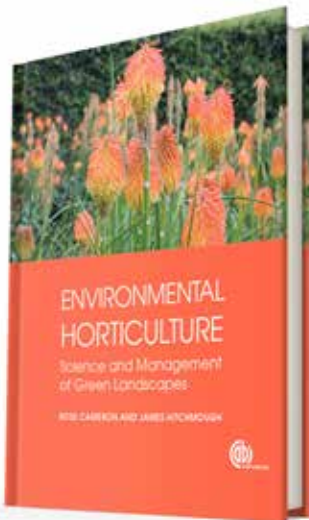
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plant sciences



Environmental Horticulture
Science and Management of Green Landscapes



Ross Cameron, James Hitchmough, both University of Sheffield, UK

This book is a complete and comprehensive guide to environmental horticulture: providing comments and critiques of contemporary thinking on this subject; exploring the role, value and application of horticulture in different landscapes; reviewing the importance and impact of horticulture on the wider environment; and covering practical management advice for categories of environmental horticulture such as turf grass, bedding plants, trees, grasslands, and green roofs.

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Invasive Plant Species of the World, 2nd Edition
A Reference Guide to Environmental Weeds

Ewald Weber, University of Potsdam, Germany

Providing the latest information on the most important invasive plants, this new edition:

- Contains 50 new species, chosen for their impacts on ecosystems and native species
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Including colour images of each species, this up-to-date reference guide on the most important plant invaders is an invaluable tool for both researchers and policy makers.

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Plant Disease and Genetics

Abiotic Stresses in Crop Plants

Edited by **Usha Chakraborty, Bishwanath Chakraborty**, both University of North Bengal, India

Based on the biochemical and molecular mechanisms of tolerance of commonly encountered abiotic stresses in nature, this book covers the effect of increasing temperature,

flood, drought, salinity, ozone and heavy metals such as arsenic and cadmium on plants. It discusses how these abiotic stresses can be managed in a cost-effective and eco-friendly way by utilizing the alleviating mechanisms of microbes. Written in three sections, it considers each stress and their alleviation methods in detail, providing a rounded and vital resource on the subject for researchers and students of crop stress, management and biology.

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Advances in PGPR Research

Edited by **Harikesh Bahadur Singh, Birinchi Kumar Sarma, Chetan Keswani**, all Banaras Hindu University, India

Rhizosphere biology is approaching a century of investigations wherein growth-promoting rhizomicroorganisms (PGPR) have attracted special attention for their ability to enhance

productivity, profitability and sustainability at a time when food security and rural livelihoods are a key priority. Bio-inputs – either directly in the form of microbes or their by-products – are gaining tremendous momentum and harnessing the potential of agriculturally important microorganisms could help in providing low-cost and environmentally safe technologies to farmers. Written by a team of experts, *Advances in PGPR Research* considers new concepts, recent developments and global issues in biopesticide research and evaluates the implications for sustainable productivity.

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Amino Acids in Higher Plants

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

Amino acids play a role in the defence mechanisms and stress responses of plants as well as in food quality and safety for humans and animals. Recent advances in the field make a comprehensive overview of the

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Analytical Techniques for Natural Product Research

Edited by **Satyanshu Kumar**, Directorate of Medicinal and Aromatic Plants Research, India

Plants are an important source of lead molecules for drug discovery. These lead molecules serve as starting materials for laboratory synthesis of a drug as well as a

model for the production of biologically active compounds. Phytochemical processing of raw plant materials is essentially required to optimize the concentration of known constituents and also to maintain their activities. Extraction techniques and analytical techniques have played critical roles in phytochemical processing of raw materials. Extraction technologies from conventional extraction to green extraction as well as analytical techniques from single technique to hyphenated/coupled techniques, most frequently used in phytochemistry laboratories, are covered in the book.

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Biosecurity Surveillance Quantitative Approaches

CABI Invasives Series

Edited by **Frith Jarrad**, The University of Melbourne, Australia, **Sama Low Choy**, **Kerrie Mengersen**, both Queensland University of Technology, Australia

This book is a source of information on practical and innovative approaches to biosecurity surveillance. It explains the foundation and concepts behind surveillance design, with examples of methods and tools created to deal with surveillance challenges. With supporting case studies and including current directions in research, it covers evidence-based approaches to surveillance, statistics, detectability, single and multi-species detection, risk assessment, diagnostics, data-basing, modelling of invasion and spread, optimization, and future climate challenges.

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Enhancing Crop Genepool Use Capturing Wild Relative and Landrace Diversity for Crop Improvement

Edited by **Nigel Maxted**, University of Birmingham, UK, **M Ehsan Dulloo**, Bioversity International, Italy, **Brian V Ford-Lloyd**, University of Birmingham, UK

In this book, a team of international contributors review all aspects of utilization and conservation of crop wild relative (CWR) and landrace (LR) diversity as a basis for crop improvement and future food security. It covers four key areas: Characterization techniques; Conservation strategies; Facilitating CWR and LR use; and Informatics development – improving characterization, trait and conservation data management and accessibility, and inter-information system operability.

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Molecular Methods in Plant Disease Diagnostics

Principles and Protocols

Edited by **Neil Boonham**, **Jenny Tomlinson**, **Rick Mumford**, all Fera, UK

Molecular diagnostic of plant diseases offer a number of advantages over traditional, highly specific, methods based on microscope

examination of morphological features. Not only have molecular tools helped by increasing the efficacy, accuracy or speed of diagnosis; their common technological basis also reduces the hard-to-sustain reliance of routine testing laboratories on staff with very specialist skills. This book provides protocols for the majority of nucleic acid-based methods currently applied to plant pathogen detection and identification. These generic techniques are appropriate for use on any target with minimal modification, making this book a useful resource for students of plant pathology, diagnosticians and plant pathologists.

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Plant Gene Silencing Mechanisms and Applications

Edited by **Tamas Dalmay**, University of East Anglia, UK

This book brings together international experts to describe the science underlying plant gene silencing, and its applications in producing better plants. The book examines the detail of how

transgenes induce post-transcriptional or transcriptional silencing and which genes are involved in these processes, and the production of small RNA molecules, and their movement within plants. The involvement of viruses in silencing and factors affecting the hybrids used in agriculture are covered, along with silencing in fungi and algae. Strategies to produce artificial small RNAs are explained, with their use in improving industrial traits, adding nutritional benefits, removing allergens, and other valuable factors for consumers. The book also explains how gene silencing can be used to protect plants against bacterial and viral pathogens, weeds and pests.

March 2017 | HB | 224 Pages | 9781780647678
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The Handbook of Microbial Bioresources

Edited by **V K Gupta**, National University of Ireland Galway, Ireland, **G D Sharma**, Bilaspur University, India, **M G Tuohy**, National University of Ireland, Ireland, **R Gaur**, RML Avadh University, India

Microbial technology plays an integral role in the biotechnology, bioengineering, biomedicine/biopharmaceuticals and agriculture sector. This book provides a detailed compendium of the methods, biotechnological routes, and processes used to investigate different aspects of microbial resources and applications. It covers the fundamental and applied aspects of microorganisms in the health, industry, agriculture and environmental sectors, reviewing subjects as varied and topical as pest control, health and industrial developments, and animal feed.

June 2016 | HB | 720 Pages | 9781780645216
£195 | €255 | \$320

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Crop Science



Biotechnology of Major Cereals

Edited by **Huw D Jones**, Rothamsted Research, UK

Biotechnology of Major Cereals focuses on the recent advances and future prospects in cereal biotechnology. The first part of the book covers the world's major cereals and focuses on new developments and trends. The second

part is technology rather than species-led, detailing fundamental developments in technologies and significant target traits.

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Climate Change and Cotton Production in Modern Farming Systems

ICAC Review

Michael P Bange, Commonwealth Scientific and Industrial Research Organization, Australia, **J T Baker**, **P J Bauer**, USDA-ARS, USA, **K J Broughton**, **G A Constable**, both

Commonwealth Scientific and Industrial Research Organization, Australia, **Q Luo**, University of Technology Sydney, Australia, **D M Oosterhuis**, University of Arkansas, USA, **Y Osanai**, Hawkesbury Institute for the Environment, Australia, **P Payton**, USDA-ARS, USA, **D T Tissue**, Hawkesbury Institute for the Environment, Australia, **K R Reddy**, Mississippi State University, USA, **B K Singh**, Hawkesbury Institute for the Environment, Australia

This review details frameworks to evaluate the impact of projected climatic changes, highlights the risks and opportunities with adaptation, and details the approaches for research investment.

March 2016 | PB | 72 Pages | 9781780648903
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Virus Diseases of Tropical and Subtropical Crops

CABI Plant Protection Series

Edited by **Paula Tennant**, University of West Indies, Jamaica, **Gustavo Fermin**, Instituto Jardín Botánico de Mérida, Venezuela

This book describes interactions of plant viruses with hosts and transmission vectors in an agricultural context. Starting with an overview of virus biology, economics and management, chapters then address economically significant plant diseases of tropical and subtropical crops. For each disease, symptoms, distribution, economic impact, causative virus, taxonomy, host range, transmission, diagnostic methods and management strategies are discussed.

December 2015 | HB | 264 Pages | 9781780644264
£95 | €125 | \$160

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Brassica Oilseeds

Breeding and Management

Edited by **Arvind Kumar**, Indian Council of Agricultural Research, India, **S S Banga**, Punjab Agricultural University, India, **P D Meena**, Directorate of Rapeseed-Mustard Research (ICAR), India, **P R Kumar**, Formerly of Indian Council of Agricultural Research, India

Oilseed brassicas are among the largest traded agricultural commodities and are grown in around fifty countries worldwide. Utilized for both consumption and bioenergy use, demand is increasing and this book covers the entire gamut of oilseed brassicas. Beginning with an introduction and then organized into two sections, it reviews genetics and genomics (including breeding, heterosis and selection methods) and stress management and important pathogens, to provide a complete overview of brassica oilseeds.

September 2015 | HB | 280 Pages | 9781780644837
£85 | €110 | \$160

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Intellectual Property Issues in Biotechnology

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

This book integrates a science and business approach to provide an introduction and an insider view of intellectual property issues within the biotech industry, with case studies and examples from developing economy markets. Broad in scope, the book covers key principles in pharmaceutical, industrial, and agricultural biotechnology. Part 1 details the principles of intellectual property and biotechnology. Part 2 covers plant biotechnology. The third part describes recent advances in industrial biotechnology. The final part describes intellectual property issues in drug discovery and the development of personalized medicine, and vaccines in biodefence.

September 2016 | HB | 276 Pages | 9781780646534
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Maize Kernel Development Current and Future Research

Edited by **Brian A Larkins**, University of Nebraska, USA

Cereals are a major source of carbohydrate, protein and oil for humans and livestock, and an understanding of the genetic and biochemical processes underlying cereal

grain development is essential. Written by a team of experts, this book focuses on maize and explores current research and future questions in topics spanning pre- and post-fertilization events, embryo and endosperm development, grain filling and maturation, and factors influencing crop yield. It is a valuable resource for academics and researchers working on maize or other cereals, and a guide for basic and applied research in plant development, plant genetics and crop physiology.

November 2017 | HB | 272 Pages | 9781786391216
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Pest Risk Modelling and Mapping for Invasive Alien Species

CABI Invasives Series

Edited by **Robert C Venette**, USDA Forest Service, USA

New pests and pathogens place biological pressure on resident species, but strict bans may conflict with trading and travel needs. An overview

of how the conflict can be managed using pest risk mapping and modelling, this book uses worked examples to explain modelling and help the development of tool kits for assessment.

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Postharvest, 6th Edition An Introduction to the Physiology and Handling of Fruit and Vegetables



Edited by **Ron Wills**, University of Newcastle, Australia,
John Golding, New South Wales Department
of Primary Industries, Australia

Completely updated, this broad-based introductory level textbook covers the key concepts and practical technologies to slow the deterioration of harvested produce, including handling, packaging, transport, temperature management, and the control of pests and diseases. Retaining the high quality colour section, the content has been revised to include: discussions of issues important to consumers; the impact of trends in convenience marketing on the quality of fresh-cut produce; sustainability; and health benefits of plant antioxidant properties and a discussion of 'superfoods'.

September 2016 | PB | 304 Pages | 9781786391483
£39.99 | €55 | \$75

www.cabi.org/bookshop/book/9781786391483



Seed Biology and Yield of Grain Crops, 2nd Edition

Edited by **Dennis B Egli**, University of Kentucky, USA

This new edition of an established title provides a timely update in this field and examines the determination of grain crop yield from a unique perspective, by concentrating on the influence of the seed itself. As the food supply

for an expanding world population is based on grain crops harvested for their seeds, understanding the process of seed growth and its regulation is crucial in our efforts to increase production and meet the needs of that population. Yield of grain crops is determined by their assimilatory processes such as photosynthesis and the biosynthetic processes in the seed, which are partly regulated within the seed itself.

February 2017 | HB | 224 Pages | 9781780647708
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781780647708

Plant Biology



Leafy Medicinal Herbs Botany, Chemistry, Postharvest Technology and Uses

Edited by **Dawn C P Ambrose**,
Annalalai Manickavasagan, **Ravindra
Naik**, Central Institute of Agricultural
Engineering, India

This book compiles the literature for 23 globally relevant leafy medicinal herbs. Beginning with a general overview and discussion of the importance of these plants, it then handles each herb by chapter. Chapters discuss the botany of the crop, including its history and origin, geographical distribution and morphology, before focusing on the chemical composition and phytochemical attributes. They then review postharvest technology aspects such as processing and value addition, before concluding with the general and pharmacological uses for each crop. A complete compilation of the subject, this book forms a vital resource for researchers, students, farmers and industrialists interested in leafy medicinal herbs.

July 2016 | HB | 296 Pages | 9781780645599
£95 | €125 | \$160

www.cabi.org/bookshop/book/9781780645599



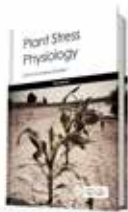
Plant Biodiversity Monitoring, Assessment and Conservation

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

This book presents a series of essays on the application of plant biodiversity monitoring and assessment to help prevent species extinction, ecosystem collapse, and solve problems in biodiversity conservation. It has been written by a large international team of researchers and uses case studies and examples from all over the world, and from a broad range of terrestrial and aquatic ecosystems. The book is aimed at any graduate students and researchers with a strong interest in plant biodiversity monitoring and assessment, plant community ecology, biodiversity conservation, and the environmental impacts of human activities on ecosystems.

December 2016 | HB | 640 Pages | 9781780646947
£150 | €195 / \$250

www.cabi.org/bookshop/book/9781780646947



Plant Stress Physiology, 2nd Edition

Edited by **Sergey Shabala**, University of Tasmania, Australia

Completely updated from the successful first edition, this book provides a timely update on the recent progress in our knowledge of all aspects of plant perception, signalling and adaptation to a variety of environmental stresses. It covers in detail areas such as drought, salinity, waterlogging, oxidative stress, pathogens, and extremes of temperature and pH. This second edition: presents detailed and up-to-date research on plant responses to a wide range of stresses; includes new full-colour figures to help illustrate the principles outlined in the text; and is written in a clear and accessible format, with descriptive abstracts for each chapter

January 2017 | HB | 376 Pages | 9781780647296
£95 | €125 | \$160

www.cabi.org/bookshop/book/9781780647296



Water Dynamics in Plant Production, 2nd Edition



Edited by **Wilfried Ehlers**, University of Göttingen, Germany, **Michael Goss**, University of Guelph, Canada

This new edition focuses on the dynamics of water through the hydrologic cycle and the associated mechanisms that plants employ to optimize growth and development. It describes the basic scientific principles of water transport in the soil-plant atmosphere continuum, and explains the linkage between transpirational water use and dry matter production. Including text boxes throughout, this book is enhanced with supplementary resources: www.cabi.org/openresources/43823

March 2016 | HB | 396 Pages | 9781780643816
£125 | €165 | \$205

March 2016 | PB | 396 Pages | 9781780643823
£45 | €60 | \$75

www.cabi.org/bookshop/book/9781780643816



Biocontrol Agents of Phytonematodes

Edited by **Tarique Hassan Askary**, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, India
Paulo Roberto Pala Martinelli, Universidade Estadual Paulista, Brazil

Highlighting the use of biocontrol agents as an alternative to chemical pesticides in the management of plant parasitic nematodes, this book reviews the current progress and developments in the field. Tactful and successful exploitation of each biocontrol agent, i.e. nematophagous fungi, parasitic bacteria, predaceous mites, rhizobacteria, mycorrhiza and predaceous nematodes, has been described separately. The contributors are 23 eminent nematologists and their information has been compiled in 19 chapters.

June 2015 | HB | 480 Pages | 9781780643755
£135 | €175 | \$260

www.cabi.org/bookshop/book/9781780643755



The Handbook of Microbial Metabolism of Amino Acids

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

This book collates and reviews recent advances in the microbial metabolism of amino acids, emphasizing diversity – in terms of the range of organisms under investigation and their natural ecology – and the unique features of amino acid metabolism in bacteria, yeasts, fungi, protozoa, and nematodes. As well as studying the individual amino acids, including arginine, sulfur amino acids, branched-chain amino acids and aromatic amino acids, a number of themes are explored throughout the work.

March 2017 | HB | 576 Pages | 9781780647234
£195 | €255 | \$320

www.cabi.org/bookshop/book/9781780647234

Horticulture



Almonds

Botany, Production and Uses

Edited by **Rafel Socias I Company**, CITA de Aragón, Spain, **Thomas M Gradziel**, University of California, USA

This book provides a comprehensive overview of almond growing, from a scientific and horticultural perspective, covering botany in addition to processing and industrial uses. Almonds are an important crop; they are highly regarded for their flavour, nutritional properties and culinary uses, and almond oil is used widely in food, cosmetic and pharmaceutical production. The popularity of almonds and the increase in demand has required new plantings and a response to ongoing changes in cultural and climatic conditions. This book meets the need for up-to-date information on this crop and covers: botany and taxonomy; cultivation, genetics and breeding; propagation, orchard management and harvesting; pests and diseases; and nutrition, marketing and utilization.

July 2017 | HB | 480 Pages | 9781780643540
£125 | €165 | \$240

www.cabi.org/bookshop/book/9781780643540



Biocontrol of Major Grapevine Diseases

Leading Research

Edited by **Stéphane Compant**, AIT Austrian Institute of Technology GmbH, Austria and **Florence Mathieu**, INP-ENSAT, France

Biocontrol of Major Grapevine Diseases provides a timely research update on the use of biological control agents and plant resistance inducers against phytopathogenic infections of the grapevine by fungi, oomycetes, bacteria and phytoplasma. Taking a holistic approach, this book presents in detail the ecology, mechanisms and the application methods of these agents. Its 19 chapters, authored by international experts, cover diseases such as grey mould, trunk diseases, powdery and downy mildews as well as phytoplasma diseases, and, by nature, emphasize applications of biocontrol in organic viticulture and as part of integrated pest management systems.

March 2016 | HB | 262 Pages | 9781780647128
£95 | €125/ \$160

www.cabi.org/bookshop/book/9781780647128

Blackberries and Their Hybrids

Crop Production Science in Horticulture

Edited by **Harvey K Hall**, Shekinah Berries Ltd., New Zealand, **Richard C Funt**, Columbus, USA

This book examines the commercial production of blackberries and their hybrids in regards to plant growth and development, cultivar description and selection, propagation, pruning, soil and water management, postharvest management, economics and marketing, and pest identification and management. Historical and genetic perspectives – for those who want to create new and hardier plants with great tasting berries – are included, and the health components of blackberries are also addressed. The book is written by an international team of experts.

August 2017 | PB | 290 Pages | 9781780646688
£45 | €60 | \$85

www.cabi.org/bookshop/book/9781780646688



Peas and Beans

Anthony Biddle, Processors and Growers Research Organisation, UK

Focusing on peas and beans of agricultural and economic importance, this book includes an introduction to the botanical family, history and production areas of these crops, before discussing different members of the legume

family in each chapter. Covering the main agricultural crops, it discusses the fundamentals of each, including detailed information on genetics, seed management, crop protection and growth. It also provides a useful, practical guide to managing abiotic and biotic crop stresses, harvesting and storage. Incorporating nutrition information and worldwide production statistics to each chapter, this book is an invaluable resource for agronomists, horticulture students and extension workers.

January 2019 | PB | 300 Pages | 9781780640914
£45 | \$85 | €60

www.cabi.org/bookshop/book/9781780640914



Cherries

Botany, Production and Uses

Edited by **José Quero-García**, INRA Bordeaux, France, **Amy Lezzoni**, Michigan State University, USA, **Joanna Puławska**, Research Institute of Horticulture, Poland, **Gregory Lang**, Michigan State University, USA

Cherries: Botany, Production and Uses covers the genetics, ecophysiology, production, protection and uses of cherries. Reflecting the most current research, this book outlines the many advances in cherry production at the scientific and technical level, most notably in genetics and genomics research following the burst of modern molecular biological techniques.

July 2017 | HB | 480 Pages | 9781780648378
£125 | €165 | \$205

www.cabi.org/bookshop/book/9781780648378



Encyclopedia of Herbs and Spices: 2 Volume Pack

P N Ravindran, formerly of Indian Agricultural Research Services, India

This two-volume set provides comprehensive coverage of the taxonomy, botany, chemistry, functional properties, medicinal uses, culinary uses and safety issues of over 250 herb

and spice species. Beginning with an introductory chapter providing information on the definition, classification, history, and applications of herbs and spices worldwide, this book then presents easily accessible information on each species, enhanced with beautiful illustrations. This is an excellent resource for researchers, students, growers and manufacturers, in the fields of horticulture, agriculture, botany, crop sciences and pharmacognosy.

December 2017 | HB | 1128 Pages | 9781780643151
£400 | €520 | \$660

www.cabi.org/bookshop/book/9781780643151



Exotic Fruits and Nuts of the New World

Odilo Duarte, Escuela Agrícola Panamericana – El Zamorano, Honduras, **Robert E Paull**, University of Hawai'i at Manoa, USA

This book is a major reference work on exotic and underutilized fruits and nuts of the New World. Whilst many of these are well known in the local markets and in Spanish-language literature, they have rarely been brought to the attention of the wider English-speaking audience and, as such, this book offers an entirely new resource to those interested in exotic crops.

January 2015 | HB | 342 Pages | 9781780645056
£95 | €125 | \$180

www.cabi.org/bookshop/book/9781780645056



Garden Centre Management

Ken Crafer, Independent Consultant, UK

Garden centre management has professionalized in recent years as garden centres have become more highly developed retail operations. Many students of horticulture are expected to go into retail management and so the topic has increasingly appeared on the further education

curriculum. This book is equally targeted at students, garden centre managers and professional courses in garden centre management. It provides a practical approach backed up by management theory. The text covers consumer behaviour, staff management, stock management, marketing, and productivity.

September 2015 | HB | 200 Pages | 9781780643083
£80 | €105 | \$150

September 2015 | PB | 200 Pages | 9781780643090
£39.95 | €55 | \$75

www.cabi.org/bookshop/book/9781780643083



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

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

This book comprehensively reviews current pest management practices and explores new biological and chemical control methods and integrated pest management strategies in Brassica oilseed crops. It is essential reading for pest management practitioners and researchers working on pest management in canola and other Brassica crops worldwide.

March 2017 | HB | 416 Pages | 9781780648200
£175 | €230 | \$290

www.cabi.org/bookshop/book/9781780648200

Integrated Pest Management in the Tropical Regions

Edited by **Carmelo Rapisarda**, Università degli Studi, Italy, **Giuseppe E. Massimino Cocuzza**, University of Catania, Italy

IPM philosophy is not yet widespread in tropical regions – which face pest control challenges particular to their climate – in spite of regional policies and specific supporting programmes which have increased the use of IPM strategies in recent decades. Following a crop-based approach, techniques aimed at sustainably reducing pest damage on crops are described and assessed, and contextualized in the present climatic dynamism and global movement of organisms. Available integrated strategies to contain pests in major tropical crops, both grasses and trees, are covered.

June 2017 | HB | 284 Pages | 9781780648002
£95 | €125 | \$160

www.cabi.org/bookshop/book/9781780648002



Invasive Alien Plants Impacts on Development and Options for Management

CABI Invasives Series

Edited by **Carol A Ellison**, CABI Europe, UK, **K V Sankaran**, Kerala Forest Research Institute, India, **Sean Murphy**, CABI Europe, UK

Invasive alien plants pose a major threat to agriculture and livelihoods worldwide. This book considers those impacts and options for biological control through a case study of mikania weed, a neotropical invasive plant in many countries in the tropical humid forest zones of Southeast Asia. This perennial vine can smother agro-forestry and natural forest ecosystems as well as many crops within homegardens and plantation production systems. The design of policy frameworks to combat invasive species is considered in depth, as is the use of classical biological control against mikania weed.

November 2017 | HB | 288 Pages | 9781780646275
£75 | €100 | \$125

www.cabi.org/bookshop/book/9781780646275



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

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

A companion volume to the *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 covers areas including India, Bhutan, Nepal, Sri Lanka, Myanmar, China, Taiwan, Japan, the Philippines, Palau, Vietnam, Thailand, Singapore, Malaysia and Indonesia. This major new reference work is produced by experts with over 80 years, combined research experience and, through simple identification, information can help prevent these major pest species being introduced to new geographical areas.

November 2016 | HB | 496 Pages | 9781780644196
£125 | €165 | \$205

www.cabi.org/bookshop/book/9781780644196



Legumes in Cropping Systems

Edited by **Donal Murphy-Bokern**, Independent Consultant, Germany, **Fred Stoddard**, University of Helsinki, Finland, **Christine Watson**, SRUC, UK

Based on contributions from the Legumes Future research consortium and other projects, this book acts as a complete and coherent overarching review of legume research. Describing current knowledge relating to the use of legumes in cropping systems, it also looks towards future research, challenges and opportunities. In each chapter, the authors review current literature to help support understanding and provide insight into the underlying processes that influence cropping system development. Presented in full-colour throughout, this book includes coverage of: intercropping with legumes and cereals; legumes as a primary protein source; crop protection progress; and policy issues.

April 2017 | HB | 304 Pages | 9781780644981
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781780644981



Bioenergy and Biological Invasions Ecological, Agronomic and Policy Perspectives on Minimizing Risk

CABI Invasives Series

Edited by **Lauren D Quinn**, University of Illinois, USA, **David P Matlaga**, Susquehanna University, USA, **Jacob N Barney**, Virginia Tech, USA

Despite major international investment in biofuels, the invasive risks associated with these crops are still unknown. A cohesive state-of-the-art review of the invasive potential of bioenergy crops, this book covers the identified risks of invasion, distributions of key crops, and policy and management issues. Including a section on developing predictive models, this book also assesses the potential societal impact of bioenergy crops and how to mitigate invasive risks.

February 2015 | HB | 176 Pages | 9781780643304
£75 | €100 | \$145

www.cabi.org/bookshop/book/9781780643304



Plants and Planting on Landscape Sites Selection and Supervision

Peter Thoday, Thoday Associates, UK

From specification to supervision, this book provides concrete advice along with practical examples for each stage of a typical project.

It contains sections on: the landscape site;

selecting, assessing and purchasing plants; understanding nursery practice; forms and types of transplant traded; seeds and direct seeding; pre-planting site work; transplanting; and care in the establishment phase. Specially commissioned high quality line diagrams and full colour photographs are used throughout to demonstrate meaning and give examples.

September 2016 | HB | 170 Pages | 9781780646183
£85 | €110 | \$140

September 2016 | PB | 170 Pages | 9781780646190
£29.99 | €40 | \$50

www.cabi.org/bookshop/book/9781780646183



Strawberry Growth, Development and Diseases

Edited by **Amjad M Husaini**, Sher-e-Kashmir University of Agricultural Sciences and Technology, India, **Davide Neri**, Fruit Research Center, Council for Agricultural Research and Economics in Rome, Italy

Methods of strawberry cultivation have undergone extensive modification and this book provides an up-to-date, broad and balanced scientific review of current research and emerging challenges. Subjects covered range from plant propagation, architecture, genetic resources, breeding, abiotic stresses and climate change, to evolving diseases and their control. This book is written by an international team of specialists and presented in full colour throughout, using figures and tables to make the subject comprehensible and informative.

October 2016 | HB | 348 Pages | 9781780646633
£105 | €140 | \$175

www.cabi.org/bookshop/book/9781780646633



The Handbook of Mites of Economic Plants Identification, Bio-ecology and Control

Vicenzo Vacante, Mediterranean University, Italy

Mites pose a serious problem to plants worldwide, attacking crops and spreading disease. They are among the most successful of invertebrates, and responsible for significant

crop losses. This encyclopedia provides a thorough coverage of the mites and the problems they cause, describing their prevalence in different regions and appropriate control methods. Mite collection and laboratory study are covered. The following Mite families are included: Eriophyoidea, Tarsonemidae, Tuckerellidae, Tenuipalpidae, Tetranychidae, Acaridae, Penthaleidae.

December 2015 | HB | 890 Pages | 9781845939946
£185 | €240 | \$350

www.cabi.org/bookshop/book/9781845939946



The Lime Botany, Production and Uses

Edited by **M Mumtaz Khan**, **Rashid Al-Yahyai**, both Sultan Qaboos University, Oman, **Fahad Al-Said**, The Research Council, Oman

This book is a comprehensive and up-to-date resource covering the botany, production and uses of limes. The lime is an important fruit

crop throughout citrus producing regions of the world, with its own specific benefits, culture and marketplace, in addition to issues affecting successful cultivation and production. This book contains detailed information on: breeding, genetics and biodiversity of the plants; processes for establishing a lime orchard and precision agriculture; harvesting and postharvest management; and pests and diseases, including knowledge of increasing threats such as Witches' Broom Disease and Citrus Greening.

April 2017 | HB | 368 Pages | 9781780647845
£95 | €125 | \$160

www.cabi.org/bookshop/book/9781780647845



The UK Pesticide Guide 2017

Edited by **Martin Lainsbury**, Association of Independent Crop Consultants (AICC), BCPC for the UKPG

The UK Pesticide Guide 2017 has 7 new active ingredient profiles. The two confirmed as available in 2017 are cyantraniliprole for insect control in headed brassicas and halauxifen-methyl +/-

fluroxypyr for broad-leaved weed control in cereals. 5 are currently only listed as Products also Registered (PARs) and are buprofezin for insect control in protected Solonaceae, penhoxamid for weed control in grain maize and winter oilseed rape, Pepino Mosaic Virus for suppression of viral diseases in protected tomatoes, Pythium oligandrun M1 for disease control in spring barley, wheat and oilseed rape, and Tembotrione for weed control in maize and sweetcorn. In addition, hazard precautions have been upgraded and the roll out of extended buffer zones, for some products, continues with many products re-approved under new MAPP numbers.

January 2017 | PB | 800 Pages | 9781901396683
£52.50 | €70 | \$85

www.cabi.org/bookshop/book/9781780644370



Training Guide on Integrated Pest Management in Tobacco

M Bateman, **E Chernoh**, **K Holmes**, **J Grunder**, **M Grossrieder**, **Y Colmenarez**, **D Babendreier**, **M Faheem**, **M Mulaa**

This book provides the necessary tools to design and implement training programmes on Integrated Pest Management in tobacco. It

presents a core training package with detailed curricula to address all aspects of responsible management of Crop Protection Agents (CPA). Background information to support technical understanding is included in addition to activity descriptions and facilitator notes ideal for guiding trainers. Step-by-step support is provided to direct all stages of the implementation of the training programme, which is highly participatory and activity driven.

December 2016 | Open access eBook | 9781786392381

www.cabi.org/cabebooks/ebook/20163403494



Tropical Forage Legumes Harnessing the Potential of *Desmanthus* and Other Genera for Heavy Clay Soils

Edited by **John R Lazier**, Independent Consultant, Canada, **Nazeer Ahmad**, Formerly University of the West Indies, Trinidad and Tobago

This book explores the importance of heavy clay soils in the tropics and subtropics and the role of productive forage legumes adapted to them for agricultural productivity. It reviews the considerable research that has been undertaken over four decades and the adapted productive and potentially productive forage legumes that have been identified for these environments.

July 2016 | HB | 490 Pages | 9781780646282
£135 | €175 | \$225

www.cabi.org/bookshop/book/9781780646282



Vegetable Grafting Principles and Practices

Edited by **Giuseppe Colla**, Department of Agricultural and Forestry Sciences, Italy, **Francisco Perez-Alfocea**, Consejo Superior de Investigaciones Cientificas (CSIC), Spain, **Dietmar Schwarz**, Leibniz Institute of Vegetable and Ornamental Crops, Germany

This book provides comprehensive and current scientific and applied practical knowledge on vegetable grafting, a method gaining considerable interest as an alternative to the use of fumigants to protect crops from soil-borne diseases. Though the benefits of using grafted transplants are now fully recognized worldwide, understanding of the rootstock/scion interactions under variable environmental pressures remains vital for grafting-mediated crop improvement.

April 2017 | HB | 304 Pages | 9781780648972
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781780648972

Soil Sciences



Biocontrol Agents Entomopathogenic and Slug Parasitic Nematodes

Edited by **Mahfouz M M Abd-Elgawad**, Nematology Laboratory, National Research Centre, Egypt, **Tarique Hassan Askary**, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, India, **James Coupland**, Farm Forest Research Inc, Canada

This book describes entomopathogenic and slug parasitic nematodes as potential biocontrol agents in crop insect and slug pest management. Addressing research on these two nematodes from tropical, subtropical and temperate countries, it covers the new techniques and developments regarding mass production, formulation, application, commercialization, and safety measures. Plans for future strategies to make these beneficial nematodes cost-effective and expand their use by including them in integrated pest management programmes in different agro-ecosystems are also discussed.

April 2017 | HB | 560 Pages | 9781786390004
£150 | €195 | \$250

www.cabi.org/bookshop/book/9781786390004



Land-Use Change Impacts on Soil Processes Tropical and Savannah Ecosystems

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

This book examines the effects that land-use changes (notably agricultural intensification, logging, soil erosion, urbanization and mining) have on soil characteristics and processes in tropical and savannah environments.

September 2015 | HB | 200 Pages | 9781780642109
£75 | €100 | \$145

www.cabi.org/bookshop/book/9781780642109

Cyst Nematodes

Edited by **Roland N Perry**, University of Hertfordshire, UK, **Maurice Moens**, Institute for Agricultural and Fisheries Research, Belgium, **John T. Jones**, The James Hutton Institute, UK

This book is a compendium of current information, providing comprehensive coverage of the biology, management, morphology and diagnostics of cyst nematodes. It contains up-to-date information on molecular aspects of taxonomy, host-parasitic relationships and resistance. It covers all of the latest research in the expanding areas of molecular biology and management practices of these economically important plant parasites in one source.

November 2017 | HB | 464 Pages | 9781786390837
£135 | €175 | \$225

www.cabi.org/bookshop/book/9781786390837

Methods for Work with Plant and Soil Nematodes

Edited by **Roland N Perry**, University of Hertfordshire, UK, **David J Hunt**, CABI, UK, **Sergei A Subbotin**, California Department of Food and Agriculture, USA

Methods for Work with Plant and Soil Nematodes is an up-to-date, comprehensive book covering the practicalities of working with and studying soil and plant nematodes. Written by an international team of experts, this book includes traditional and new methodologies, and includes sections on Behavioural and Physiological Assays, and Cytogenetic, Biochemical and Molecular Biology Techniques.

October 2017 | HB | 288 Pages | 9781786391759
£65 | €85 | \$110

www.cabi.org/bookshop/book/9781786391759



Visual Soil Evaluation

Realizing Potential Crop Production with Minimum Environmental Impact

Edited by **Bruce C Ball**, SRUC, UK,
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. This

book describes the assessment of the various structural conditions of soil, especially after quality degradation such as compaction, erosion or organic matter loss. Covering a broad range of land types from abandoned peats to prime arable land, this useful handbook assesses yield potential across a range of scales. It also appraises the use of VSE in determining the potential of different land types for carbon storage, greenhouse gas emissions and nutrient leaching, and for diagnosing and rectifying erosion and compaction in soils.

October 2015 | HB | 172 Pages | 9781780644707
£95 | €125 | \$160

October 2015 | PB | 172 Pages | 9781780647456
£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781780644707

Soil Carbon: Science, Management and Policy for Multiple Benefits

Steven A Banwart, Elke Noellemeyer, Eleanor Milne
December 2014 | HB | 420 Pages | 9781780645322 £95 | €125 | \$180
www.cabi.org/bookshop/book/9781780645322

Transition Pathways towards Sustainability in Agriculture: Case Studies from Europe

Ika Darnhofer, Lee-Ann Sutherland, Geoff Wilson, Lukas Zagata
November 2014 | HB | 246 Pages | 9781780642192 £80 | €105 | \$150
www.cabi.org/bookshop/book/9781780642192

Diseases of Temperate Horticultural Plants

Raymond A T George, Roland T V Fox
November 2014 | HB | 488 Pages | 9781845937737 £115 | €150 | \$220
www.cabi.org/bookshop/book/9781845937737

Transgenic Insects: Techniques and Applications

Mark Quentin Benedict
October 2014 | HB | 398 Pages | 9781780644516 £95 | €125 | \$180
www.cabi.org/bookshop/book/9781780644516

Applied Plant Virology

Calum Rae Wilson
August 2014 | HB | 192 Pages | 9781780644257 £85 | €110 | \$160
August 2014 | PB | 192 Pages | 9781845939915 £39.95 | €55 | \$75
www.cabi.org/bookshop/book/9781780644257

Fruit Ripening: Physiology, Signalling and Genomics

Pravendra Nath, Mondher Bouzayen, Autar K Mattoo, Jean Claude Pech
July 2014 | HB | 336 Pages | 9781845939625 £95 | €125 | \$180
www.cabi.org/bookshop/book/9781845939625

Climate Change Impact and Adaptation in Agricultural Systems

Jurg Fuhrer, P J Gregory
June 2014 | HB | 298 Pages | 9781780642895 £85 | €110 | \$160
www.cabi.org/bookshop/book/9781780642895

Nutrient Deficiencies of Field Crops: Guide to Diagnosis and Management

Prakash Kumar, Manoj Kumar Sharma
December 2013 | HB | 400 Pages | 9781780642789 £130 | €170 | \$250
www.cabi.org/bookshop/book/9781780642789

Tropical Fruit Flies of South-East Asia

Richard A I Drew, Meredith C Romig
December 2013 | HB | 664 Pages | 9781780640358 £135 | €175 | \$255
www.cabi.org/bookshop/book/9781780640358

Animal Nutrition with Transgenic Plants

Gerhard Flachowsky
December 2013 | HB | 248 Pages | 9781780641768 £90 | €115 | \$170
www.cabi.org/bookshop/book/9781780641768

Plant Nematology, 2nd Edition

Roland N Perry, Maurice Moens
October 2013 | HB | 568 Pages | 9781780641515 £115 | €150 | \$220
October 2013 | PB | 568 Pages | 9781780641539 £59.95 | €80 | \$115
www.cabi.org/bookshop/book/9781780641515

Quinoa

Atul Bhargava, Shilpi Srivastava
September 2013 | HB | 264 Pages | 9781780642260 £90 | €115 | \$170
www.cabi.org/bookshop/book/9781780642260

Hemp: Industrial Production and Uses

Pierre Bouloc, Serge Allegret, Laurent Arnaud
September 2013 | HB | 328 Pages | 9781845937935 £90 | €115 | \$170
September 2013 | PB | 328 Pages | 9781845937928 £45 | €60 | \$85
www.cabi.org/bookshop/book/9781845937935

Parasitic Nematodes: Molecular Biology, Biochemistry and Immunology

Malcolm W Kennedy, William Harnett
June 2013 | HB | 448 Pages | 9781845937591 £125 | €165 | \$240
www.cabi.org/bookshop/book/9781845937591

Phytophthora: A Global Perspective

Kurt Lamour
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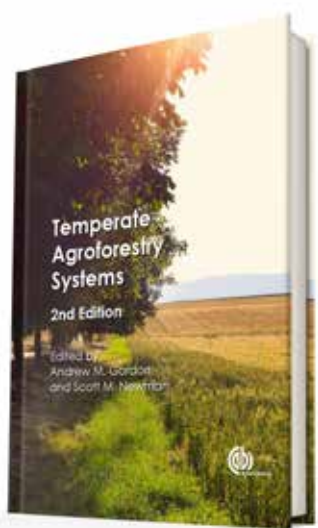
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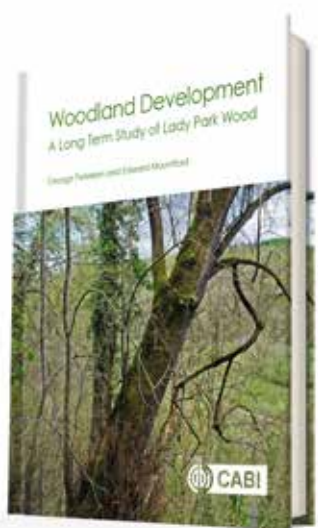
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Woodland Development A Long Term Study of Lady Park Wood

George Peterken, Independent researcher, UK, **Edward Mountford**, Woodland Trust, UK

Lady Park Wood was set aside as a 'natural' (i.e. unmanaged) reserve for ecological research in 1944 and the trees, shrubs and ground vegetation have been recorded in detail ever since. The 70 years of observations now represent one of the largest and most detailed records in Europe of how a woodland develops under the influence of natural factors. This general account of the wood as a research reserve comprises detailed measurements of 20,000 individual trees and shrubs, from which the performance of populations of oak, beech, ash, limes, etc. can be quantified in detail, and the development of a near-natural wood and the factors influencing it can be detailed. The book also broadens out to consider implications for nature conservation, re-wilding and remoteness, near-to-nature forestry, monitoring and long-term ecological research, the meaning of natural woodland, and even aspects of woodland history.

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Rodent Pests and Their Control, 2nd Edition

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Insects, being poikilothermic, are among the organisms that are most likely to respond to changes in climate, particularly increased

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Decentralized Governance of Adaptation to Climate Change in Africa

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

Based on fieldwork carried out in Uganda, Zambia, Tanzania and Ghana, this book shows how local governance institutions change the

way that they work as they engage with climate change adaptation initiatives, and how the tendency of power and finance to be centralized at national level reduces the effectiveness and efficiency of real change on the ground. The evidence of these studies is that central government and international projects are neither cost effective nor institutionally sustainable; what is needed is devolution of power and resources to the local level. It's time to turn the old mantra on its head – to think globally but act locally.

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Forestry



Conservation and Management of Tropical Rainforests, 2nd Edition

An Integrated Approach to Sustainability

Eberhard F Bruenig, Formerly of University of Hamburg, Germany

Revised and updated in light of developments in science, technology, economics, politics, etc.

and their effects on tropical forests. This new edition describes the principles of integrated conservation and management that lead to sustainability, identifying the unifying phenomena that regulate the processes within the rainforest and that are fundamental to the ecosystem viability. A holistic approach to the management and conservation of rainforests is developed throughout the book. The focus on South-East Asian forestry has been widened to include Africa and Latin America, and controversial issues such as biofuels and carbon credits with respect to tropical forests and their inhabitants are discussed.

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Europe's Changing Woods and Forests From Wildwood to Managed Landscapes

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

Our understanding of the historical ecology of European forests has been transformed in the last twenty years. Bringing together key findings from across the continent, this book provides a comprehensive account of recent research and the relevance of historical studies to our current conservation and management of forests. Combining theory with a series of regional case studies, it shows how different aspects of forestry play out according to the landscape and historical context of the local area, with broad implications for woodland history, policy and management.

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Regenerating Forests and Livelihoods in Nepal A New Lease on Life

Under the coordination of **Benoît Thierry**, IFAD, Italy

This book documents the success story of an innovative rural development programme in the Himalayan foothills, Nepal. Project activities included bringing in effective cultivation techniques to protect the environment and introducing new local crops and goats as well as promoting entrepreneurial spirit. Every intervention was carefully selected and conducted to mitigate climate change as well as to help farmers become more resilient to its effects. The ingredients of the project's success are presented in this book, demonstrating people's commitment in a country prone to natural disasters.

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The Silviculture of Trees Used in British Forestry, 2nd Edition

Peter Savill, Chairman of the Trustees of the Future Trees Trust, UK

Fully updated throughout, this new edition describes the silvicultural characteristics of trees commonly grown in the UK, including all important native species and a selection of some of the most significant exotics. With details of climatic zones, soils, productivity, pests and diseases, this book provides concise but detailed information regarding the establishment and management of forests. Detailed drawings of leaves and fruits are also provided to aid with identification, making this a useful resource for students and forestry professionals.

March 2013 | HB | 288 Pages | 9781780640266
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Forest Hydrology Processes, Management and Assessment

Edited by **Devendra M Amatya**, USDA Forest Service, USA, **Thomas M Williams**, Clemson University, USA, **Leon Bren**, The University of Melbourne, Australia, **Carmen de Jong**, University of Savoy, 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 the latest challenges facing forest hydrology such as increased occurrence of disturbance due to extreme floods, drought, disease, and fire, potentially caused by climate change, and is written by an internationally renowned team of scientists, engineers, and managers to give a well-rounded review of the subject.

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The Ecology and Silviculture of Oaks Science and Management of Green Landscapes

Stephen R Shifley, University of Missouri, USA, **Paul S Johnson**, **Robert Rogers**, **Daniel Dey**, U.S. Forest Service, USA, **John Kabrick**, U.S. Forest Service, USA

This book is designed and intended not so much as a how-to-do-it management manual as it is a source of ideas on how to think about oak forests as responsive ecosystems. Armed with that understanding, we believe managers and conservators of oak forests will be better positioned to adapt to changing social values and to simultaneously build and act on co-evolving ecological and silvicultural information.

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

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

This new edition provides an update on the considerable amount of evidence on tree-crop interactions which has accumulated during the last two decades, especially on the more complex multi-strata agroforestry systems, 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 and how trees and agroforestry will contribute to a likely reduction in vulnerability to climate change in developing countries.

October 2015 | HB | 358 Pages | 9781780645117
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Martin Burton
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Alastair Bailey, David Chandler, Wyn P Grant, Justin Greaves, Gillian Prince, Mark Tatchell
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Chu T Hoanh, Brian Szuster, Suan-Pheng Kam, Abdelbagi Ismail, Andrew Noble
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Joann K Whalen, Luis Sampedro
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Forestry and Climate Change

Peter H Freer-Smith, Mark S J Broadmeadow, Jim M Lynch
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François Molle, Philippus Wester
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Rangeland Degradation and Recovery in China's Pastoral Lands

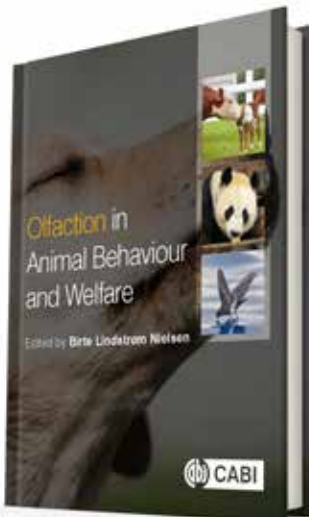
Victor R Squires, Xinshi Lu, Qi Lu, Tao Wang, Youlin Yang
 June 2009 | HB | 280 Pages | 9781845934965 £99.95 | €130 | \$190
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Rainfed Agriculture: Unlocking the Potential

S Wani, J Rockstrom, T Oweis
 January 2009 | HB | 328 Pages | 9781845933890 £99.95 | €130 | \$190
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The image features a dramatic silhouette scene against a bright, clear sky. In the upper portion, a horse is captured mid-air, performing a high jump or a similar athletic maneuver. Below this, in the lower-left, a person is silhouetted against a horse, appearing to be grooming or tending to it. In the lower-right, another person is silhouetted against a horse that is galloping or running, with water splashing around its legs, suggesting a water exercise or a specific training drill. The overall composition is dynamic and emphasizes the physical nature of equine activities.

animal and veterinary sciences



Olfaction in Animal Behaviour and Welfare

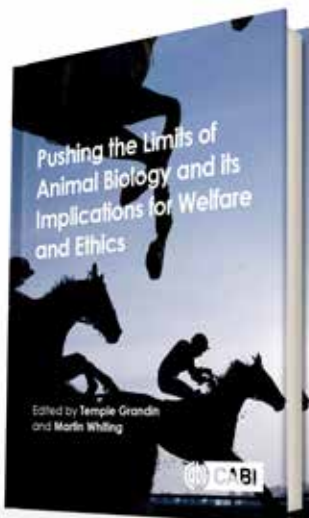
Edited by **Birte Lindström Nielsen**, Institute Nationale de Recherche Agronomique (INRA), France

Evidence-based, yet entirely practical, this important new text builds upon the basics of neuroscience to describe the link between olfaction, animal behaviour and the importance of odours for animal welfare. Focusing on animals managed by humans, and taking animal behaviour as the starting point, the text covers pheromones, odorant learning and behavioural tests before describing the role of olfaction; for example, in fear, foraging and reproduction, and olfactory behaviour in farm animals, zoo animals, laboratory animals and companion animals. This text is an essential resource for all students, practitioners and researchers working in the fields of animal behaviour, welfare and applied ethology as well as in veterinary science and veterinary medicine.

June 2017 | PB | 248 Pages | 9781786391599

£45 | €60 | \$75

www.cabi.org/bookshop/book/9781786391599



Pushing the Limits of Animal Biology and its Implications for Welfare and Ethics

Edited by **Temple Grandin**, Colorado State University, USA, **Martin Whiting**, The Royal Veterinary College, London, UK

Stimulating and thought-provoking, this important new text looks at the welfare problems and philosophical and ethical issues that are caused by changes made to an animal's telos, behaviour and physiology, both positive and negative, to make them more productive or adapted for human uses.

The book considers a wide range of animals, including farm animals, companion animals and laboratory animals. It reviews the ethics and welfare issues of animals which have been adapted for sport, companions, toys, ornaments, food sources, weapons, and a whole host of other human functions. This important new book sparks debate and is essential for all those involved in animal welfare and ethics, including veterinarians, animal scientists, animal welfare scientists, and ethologists.

October 2017 | PB | 192 Pages | 9781786390547

£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781786390547

Animal Behaviour and Welfare



Companion Animal Behaviour Problems

Prevention and Management of Behaviour Problems in Veterinary Practice

Edited by **Rachel Casey**, Royal Veterinary College, UK and The Dogs' Trust, **Sarah Heath**, Small Animal Teaching Hospital, University of Liverpool, UK

Ensuring the well-being of animals is a primary concern for every veterinary practice. Part one of this book outlines the origin of animal behaviour and how this has adapted to the domestic environment. Part two focuses on the role of the veterinary practice in preventing undesirable behaviour such as practice design, socialization classes and communication with owners. Part three gives practical advice for handling dangerous animals, discussing options such as euthanasia and working with referral veterinarians.

November 2017 | HB | 280 Pages | 9781780643458
£75 | €100 | \$145

November 2017 | PB | 280 Pages | 9781780643465
£37.50 | €50 | \$72.50

www.cabi.org/bookshop/book/9781780643458



Companion Animal Economics The Economic Impact of Companion Animals in the UK

Sophie Hall, Luke Dolling, both University of Lincoln, UK, **Katie Bristow**, Dogs for Good, UK, **Ted Fuller, Daniel S. Mills**, both University of Lincoln, UK

Succinct, highly readable and thought-provoking, this important new text is designed to raise awareness of the potential economic impact of companion animals in the UK. It discusses the potential benefits and costs of companion animals to the economy and highlights the need for this matter to be thoroughly researched, given the potential scale of impact and the potential costs of ignoring this matter. The book includes case studies to illustrate the savings to the NHS that might be associated with companion animal ownership; links to up-to-date tables and content that might form templates for use in other countries; and highly readable information written by expert authors and key opinion leaders in the field.

December 2016 | PB | 94 Pages | 9781786391728
£17.99 | €25 | \$30

www.cabi.org/bookshop/book/9781786391728



Dilemmas in Animal Welfare

Edited by **Michael C Appleby**, Edinburgh University, UK, **Daniel M Weary**, The University of British Columbia, Canada, **Peter Sandøe**, University of Copenhagen, Denmark

This book distils some of the major themes of current debate into one volume, edited by internationally known names in the field of animal welfare. Each chapter is written by one or more leading experts who discuss, in an even-handed way, a provocative topic that will be of interest to anyone concerned with animal welfare. Issues covered include tail docking, farm animal production, and neutering of feral cats. Chapters address the different values and priorities involved in dealing with these issues, including scientific and more explicit ethical approaches ending with questions for discussion.

April 2014 | HB | 220 Pages | 9781780642161
£75 | €100 | \$145

April 2016 | PB | 224 Pages | 9781786390639
£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781780642161



Domestic Animal Behaviour and Welfare, 5th Edition



D M Broom, University of Cambridge Veterinary School, UK, **A F Fraser**, formerly Memorial University of Newfoundland, Canada

Covering all aspects of animal behaviour and how this relates to welfare for companion animals, farm animals and farmed fish, this book reviews development, socialization, locomotion, reproduction and more. Now in its fifth edition, *Domestic Animal Behaviour and Welfare* also includes new chapters detailing the welfare of sheep, goats and exotic pets, and welfare in relation to genetic selection and modification. Fully updated and with new photographs, this indispensable textbook provides a student-friendly guide to the major themes of animal behaviour and welfare.

May 2015 | HB | 472 Pages | 9781780645391
£85 | €110 | \$160

May 2015 | PB | 472 Pages | 9781780645636
£39.95 | €55 | \$75

www.cabi.org/bookshop/book/9781780645391



Improving Animal Welfare, 2nd Edition A Practical Approach



Edited by **Temple Grandin**, Colorado State University, USA

By taking an entirely practical approach, this textbook aims to help those working with animals to apply methods for improving welfare, bridging the gap between scientific research and practical application. This book provides a guide to practical evaluation and auditing of welfare problems for farmed animals, emphasizing the importance of measuring conditions that compromise welfare such as lameness. This second edition is fully updated with new literature, up-to-date coverage of pain management, and the addition of a new chapter on animal welfare in organic farming systems.

July 2015 | HB | 376 Pages | 9781780644677
£85 | €110 | \$140

July 2015 | PB | 376 Pages | 9781780644684
£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781780644677



Livestock Handling and Transport, 4th Edition

Edited by **Temple Grandin**, Colorado State University, USA

Edited by world-renowned animal scientist Dr. Temple Grandin, this practical book integrates scientific research and industry literature on cattle, pigs, poultry, sheep, goats, deer, and horses, in both the developed and developing world, to provide a practical guide to humane handling and minimizing animal stress. Reviewing the latest research on transport systems, restraint methods and facilities for farms and slaughterhouses, this fully updated fourth edition of *Livestock Handling and Transport* includes new coverage of animal handling in South America, and reviews extensive new research on pig transportation in North America.

June 2014 | HB | 496 Pages | 9781780643212
£95 | €125 | \$180

May 2016 | PB | 496 Pages | 9781786390523
£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781780643212



The Animal Trade Evolution, ethics and implications

Clive J C Phillips, University of Queensland, Australia

Controversial and thought-provoking, this text focuses on the trade in live and dead animals and animal parts. It examines the facts and figures to quantify the scope of the animal trade, concentrating mainly on farm animals, but also covering captive wildlife and companion animals. The book describes welfare, environmental, economic and cultural issues around this trade, debating important ethical considerations for everyone that uses or is otherwise involved with animals, especially people in animal welfare.

September 2015 | HB | 208 Pages | 9781780643137
£75 | €100 | \$125

September 2016 | PB | 208 Pages | 9781786391476
£29.99 | €40 | \$50

www.cabi.org/bookshop/book/9781780643137



The Behavioural Biology of Chickens

Christine J Nicol, University of Bristol, UK

Chickens are by far the world's most widely farmed animal, kept for both meat and egg production. They are at the centre of many debates regarding housing and production systems, causing significant interest in what lies behind chicken behaviour. This accessible book covers sensory biology, behavioural development, preferences and aversions, social behaviour, learning and cognition, behavioural issues in different systems and solutions for behavioural problems. Authored by an authority on chicken ethology, it brings together the fields of animal behaviour, neuroscience, psychology and epidemiology to provide a comprehensive understanding of chicken behaviour and help improve the lives of farmed chickens around the world.

May 2015 | HB | 200 Pages | 9781780642499
£75 | €100 | \$145

May 2015 | PB | 200 Pages | 9781780642505
£37.50 | €50 | \$72.50

www.cabi.org/bookshop/book/9781780642499



The Ethology of Domestic Animals, 3rd Edition

Edited by **Per Jensen**, Linköping University, Sweden

Completely updated, revised and redesigned in colour throughout, this classic bestselling text continues to provide a concise introduction to the important fundamentals of animal

behaviour from genetics, physiology, motivations, learning and cognition, through to social and reproductive behaviours, abnormal behaviour and human-animal interactions. With an expanded section on the behaviour of dogs, it contains important new information on epigenetics as well as expanded and reordered chapters. Covering the latest research findings and specific accounts of individual species of farm animals, companion animals and laboratory animals, this is an essential resource for both students and lecturers in animal and veterinary science, animal welfare, zoology, and psychology.

December 2017 | PB | 320 Pages | 9781786391650
£39.99 | €55 | \$65

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Equine Thermography in Practice

Maria Soroko, University of Environmental and Life Sciences, Poland,

Mina C G Davies Morel, Aberystwyth University, UK

Evidence-based and yet very practical, *Equine Thermography in Practice* discusses how to use the tool in the diagnosis of equine

musculoskeletal injuries and what the user can expect to see in normal versus injured horses giving guidelines for best practice. The book builds from basics covering the principles of thermography and then its applications in equine veterinary medicine and the role of the technique regarding the equestrian athlete as well as in rehabilitation. Extensively illustrated and thoroughly referenced, this book is indispensable to both novice and experienced practitioners using the technique.

June 2016 | HB | 118 Pages | 9781780647876
£35 | €45 | \$60

www.cabi.org/bookshop/book/9781780647876

Bovine Tuberculosis

Stephen Gordon, University College Dublin, Ireland,

Mark Chambers, Animal and Plant Health Agency (APHA), UK and School of Veterinary Medicine, University of Surrey, UK, **Paul Barrow**, University of Nottingham, UK, **Francisco Olea-Popelka**, Colorado State University, UK

Contemporary, topical and global in its approach, this book provides an essential, comprehensive treatise of bovine tuberculosis and the bacterium, *Mycobacterium bovis*, which causes it.

Following a systematic approach, expert international authors cover epidemiology and the global situation, microbial virulence and pathogenesis, and host responses to the pathogen as well as diagnosis and control.

November 2017 | HB | 256 Pages | 9781786391520
£95 | €125 | \$160

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Equine



Equine Reproductive Physiology Breeding and Stud Management, 4th Edition



Mina C G Davies Morel, Aberystwyth University, UK

Fully updated and revised, this fourth edition textbook provides a comprehensive account of how to successfully breed horses. Beginning with a grounding in reproductive anatomy, it reviews endocrine control and selection for breeding mares and stallions and pregnancy. It covers important new techniques such as cloning, intra-cytoplasmic sperm injections and IVF, with over 300 photographs and illustrations.

June 2015 | HB | 434 Pages | 9781780644424
£85 | €110 | \$160

June 2015 | PB | 434 Pages | 9781780644417
£39.95 | €55 | \$75

www.cabi.org/bookshop/book/9781780644424

Nutrition and Disease



Bovine Pathology A Text and Color Atlas

Claus D. Buergelt, Formerly University of Florida, USA, **Edward G. Clark**, University of Calgary, Canada, **Fabio Del Piero**, Louisiana State University, USA

Comprehensive enough for a definitive reference work, yet practical enough to serve as a field guide, the text covers naked-eye and macroscopic appearance, through to microscopic pathology, the immunohistochemistry of infectious agents, and tumor markers. Organized by major organ system, the diseases follow a consistent format and clarity of display. This feature, combined with an integrated E-book, fact sheets, summary boxes and key points, helps aid understanding as well as being a collection of useful revision tools.

December 2017 | HB | 432 Pages | 9781780646718
£125 | €150 | \$190

www.cabi.org/bookshop/book/9781780646718



Nutrition and Feeding of Organic Pigs, 2nd Edition

Robert Blair, **Sandra A Edwards**

The new edition has been completely updated and revised to address how to formulate organic diets in situations where there is a declining supply of organic feed as well as the feasibility of utilizing novel feedstuffs and their acceptability by consumers of organic meat products. Available data on feed-related disease incidence in organic herds has been revised, and included are the experiences of producers in relation to appropriate breeds and production systems for forage-based organic production.

October 2017 | HB | 256 Pages | 9781780647906
£95 | €125 | \$160

www.cabi.org/bookshop/book/9781780647906

Farm Animals and Aquaculture



Nutrition Experiments in Pigs and Poultry
A Practical Guide

Edited by **Mike R Bedford**, AB Vista Feed Ingredients Ltd, UK, **Mingan Choct**, CEO, Poultry Cooperative Research Centre, University of New England, Australia, **Helen Masey O'Neill**, AB Vista Headquarters, UK

This practical research text provides an invaluable resource for all animal and veterinary scientists designing, analysing and interpreting results from nutrition and feed experiments in pigs and poultry. The book builds on the basics and proceeds to describe the limitations of experiment design involving different ingredients. It goes on to describe the characterization of experimental diets including ingredient selection, composition, and the minimum proximate analysis required.

August 2016 | HB | 178 Pages | 9781780647005
 £75 | €100 | \$125

www.cabi.org/bookshop/book/9781780647005



Biostatistics for Animal Science, 3rd Edition
An Introductory Text



Miroslav Kaps, University of Zagreb, Croatia, **William Lamberson**, University of Missouri, USA

Designed to cover techniques for analysis of data in the animal sciences, this textbook provides an overview of the basic principles of statistics enabling the subsequent applications to be carried out with familiarity and understanding, followed by more complex applications and detailed procedures commonly used in animal sciences. Each chapter begins by introducing a problem with practical questions, followed by a brief theoretical background, and is supplemented with an abundance of examples in SAS from animal sciences and related fields.

August 2017 | PB | 544 Pages | 9781786390356
 £45 | €60 | \$75

www.cabi.org/bookshop/book/9781786390356



Epidemiology for Field Veterinarians
An Introduction

Evan Sergeant, Nigel Perkins, both AusVet Animal Health Services, Australia

This book provides a practical guide for those new to the field. Its applied focus covers the principles of epidemiology in real world situations and practical implementation of disease outbreak

investigation, for both emerging and endemic diseases. Techniques and methods are discussed, supported by case studies and practical examples.

July 2015 | HB | 320 Pages | 9781845936839
 £75 | €100 | \$145

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 £37.50 | €50 | \$72.50

www.cabi.org/bookshop/book/9781845936839



Fish Viruses and Bacteria
Pathobiology and Protection

Edited by **Patrick T K Woo**, University of Guelph, Canada, **Rocco C Cipriano**, National Fish Health Research Laboratory, USA

Taking a disease-based approach, this book focuses on the pathobiology of and protective strategies against the most common, major

microbial pathogens of economically important marine and freshwater fish. A concise but thorough reference work, this is an invaluable bench book for fish health consultants, veterinarians and all those wanting instant access to information.

April 2017 | HB | 392 Pages | 9781780647784
 £105 | €140 | \$175

www.cabi.org/bookshop/book/9781780647784



Reproductive Technologies in Farm Animals, 2nd Edition

Ian Gordon, University College, Dublin

Building on the successful structure of the first edition, the second edition of *Reproductive Technologies in Farm Animals* has been totally updated and revised, to provide an up-to-date account of the key techniques employed in

manipulating reproduction in farm animals.

June 2017 | HB | 320 Pages | 9781780646022
 £95 | €125 | \$160

June 2017 | PB | 320 Pages | 9781780646039
 £45 | €60 | \$75

www.cabi.org/bookshop/book/9781780646022



Rodent Pests and Their Control, 2nd Edition

Edited by **Alan P Buckle**, The University of Reading, UK, **Robert H Smith**, University of Huddersfield, UK

The most numerous of the world's invasive species, rodent pests have a devastating impact on agriculture, food, health and the

environment. In the last two decades, the science and practice of rodent control has faced new legislation on rodenticides, the pests' increasing resistance to chemical control and the impact on non-target species, bringing a new dimension to this updated 2nd edition and making essential reading for all those involved in rodent pest control, including researchers, conservationists, practitioners, and public health specialists.

May 2015 | HB | 432 Pages | 9781845938178
 £95 | €125 | \$180

www.cabi.org/bookshop/book/9781845938178



Mason's World Encyclopedia of Livestock Breeds and Breeding: 2 volume pack

Valerie Porter, Livestock Author, UK,
Lawrence Alderson, International consultant and Chairman of Countrywide Livestock Ltd., UK,
Stephen J G Hall, Livestock Diversity Ltd, UK,
D Phillip Sponenberg, Virginia Tech, USA

This definitive reference work describes worldwide livestock breeds and a range of breed-related subjects. It presents easily accessible information on domestication, genetics and breeding, livestock produce, markets, and breed conservation. Written by renowned livestock authorities, these volumes present a comprehensive and fully cross-referenced guide covering asses, camelids, cattle, goats, horses and pigs, sheep, water buffalo, yak, and other livestock.

March 2016 | HB | 1200 Pages | 9781845934668
 £575 | €750 | \$950

www.cabi.org/bookshop/book/9781845934668

Bacteria and Fungi from Fish and Other Aquatic Animals: A Practical Identification Manual. 2nd Edition

Nicky B Buller
 December 2014 | HB | 904 Pages | 9781845938055 £145 | €190 | \$275
www.cabi.org/bookshop/book/9781845938055

Pig Disease Identification and Diagnosis Guide

Steven McOrist
 October 2014 | HB | 268 Pages | 9781780642123 £85 | €110 | \$160
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Beef Cattle Production Systems

Andy D Herring
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Donald M Broom
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Practical Canine Behaviour: For Veterinary Nurses and Technicians

Stephanie Hedges
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Animal Andrology: Theories and Applications

Peter J Chenoweth, Steven Lorton
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Linear Models for the Prediction of Animal Breeding Values, 3rd Edition

Raphael A Mrode
 February 2014 | HB | 360 Pages | 9781780643915 £95 | €125 | \$180
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Veterinary Treatment of Pigs

Graham R Duncanson
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Gerhard Flachowsky
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Mononegaviruses of Veterinary Importance

Volume 2 Molecular Epidemiology and Control

Edited by **Muhammad Munir**, Avian Viral Diseases Programme, The Pirbright Institute, Compton Laboratory, UK

This book discusses the epidemiology and control of *Mononegaviruses* that pose a significant threat to animals in terms of severity and epidemiological risk. The book also addresses viruses with zoonotic potential, and many that can be used as models in the study of infectious disease. With its comprehensive coverage, each chapter is dedicated to a different disease and has been authored by renowned scientists who have made seminal contributions to the field.

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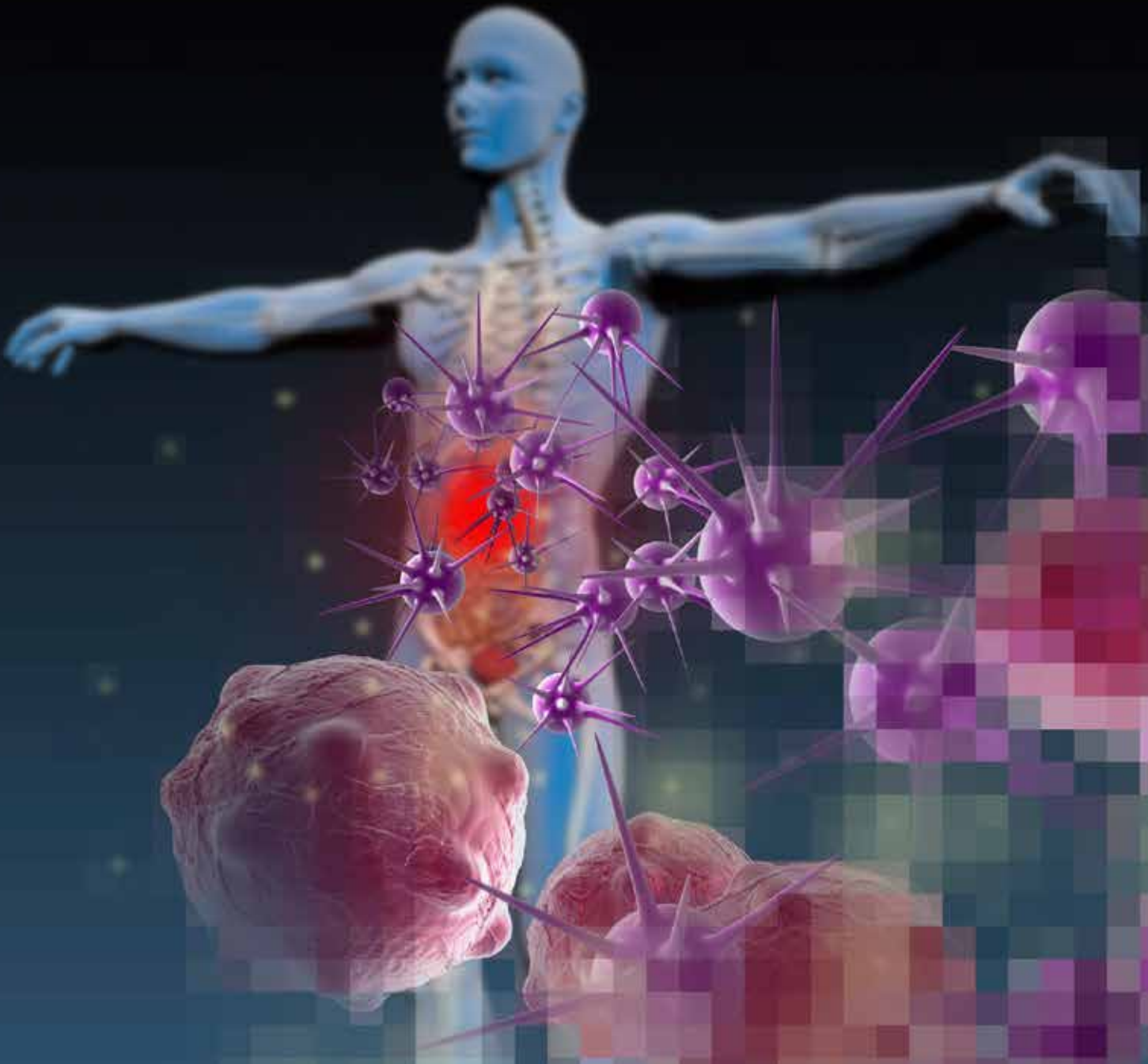
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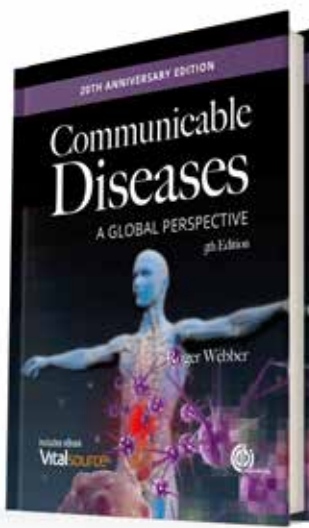
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human health, food and nutrition





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A Global Perspective



Roger Webber, formerly London School of Hygiene and Tropical Medicine, UK

Completely updated and revised, and now published in its fifth edition with an integrated eBook, this prestigious and best-selling text has continued to provide an essential overview of the subject for over 20 years. A comprehensive yet synoptic account of diseases and their modes of transmission, the book covers epidemiology, control strategies, notifications and regulations as well as an overview of the major diseases established, new and emerging. This book is written in a concise manner so that key information can be found at a glance, contains numerous clear diagrams, bullet points and tables for rapid review and learning, and includes an integrated eBook for online use or download to a desktop, tablet or smartphone.

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Health Emergency Preparedness and Response

Edited by **Chloe Sellwood**, NHS England and University of Nottingham, UK, **Andy Wapling**, NHS England, UK

This practical handbook builds upon the basics of risk assessment and writing an emergency plan, and then covers inter-agency working, command and control, communication, personal impact and business continuity as well as training, exercises and post-incident follow up. Detailing the full emergency preparedness and civil protection planning cycle, the book is illustrated throughout with real-life examples and case studies from global experts in the field for countries with both advanced and developing healthcare systems.

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Epidemiology



Chronic Non-communicable Diseases in Low and Middle-income Countries

Edited by **Ama de-Graft Aikins**, London School of Economics, UK **Charles Agyemang**, Department of Public Health, The Netherlands

Low and middle income countries in Africa, Asia and Latin America bear a significant proportion of the global burden of chronic non-communicable diseases. This book synthesizes evidence across countries that share similar socio-economic, developmental and public health profiles, including rapid urbanization, globalization, and poverty. Providing insights on successful and sustainable interventions and policies, it shows how to slow and reverse the rising burden of chronic diseases in resource-poor settings.

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Climate Change and Global Health

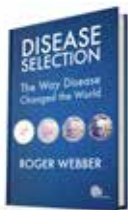
Edited by **Colin D Butler**, University of Canberra, Australia

This authoritative book brings together international experts to describe both direct and indirect impacts of climate change, set in a broad, international, economic, political and environmental context. This unique book also expands on these issues to address a third category of potential longer-term impacts on global health: famine, population dislocation, and conflict. This lively yet scholarly resource explores these issues fully, linking them to health in urban and rural settings in developed and developing countries. The book finishes with a practical discussion of action that health professionals can yet take. Now with added chapter updating key changes affecting climate change and health.

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Disease Selection

The way disease changed the world

Roger Webber, formerly London School of Hygiene and Tropical Medicine, UK

Diseases have had more influence on us than we realize. They have taken a major role in making us humans and probably determine the way we run our lives. They emerged with

us from our ancestral home in Africa, to spread to the rest of the planet. History is full of the great epidemics of plague, smallpox and anthrax, with the present catastrophe of HIV that is changing the demography of the world in a similar way to its predecessors. We survived because of our genetic variation and immune system and it will be this that will save us again.

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One Health

The Theory and Practice of Integrated Health Approaches

Edited by **Jakob Zinsstag**, **Esther Schelling** both Swiss Tropical and Public Health Institute, Switzerland, **David Waltner-Toews**, Professor Emeritus, University of Guelph, Canada, **Maxine Whittaker**, University of Queensland,

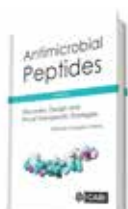
Herston, Australia, **Marcel Tanner**, Swiss Tropical and Public Health Institute, Switzerland

This book examines the origins of One Health and practical content on methodological tools, data gathering, monitoring techniques, study designs, and mathematical models. Zoonotic diseases and real-world issues such as sanitation, food security and evaluating the success of vaccination programmes are covered in detail. This book combines research and practice with case studies throughout.

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Public Health & Nutrition



Antimicrobial Peptides, 2nd Edition Discovery, Design and Novel Therapeutic Strategies

Edited by **Guangshun Wang**, University of Nebraska Medical Centre, USA

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of bacterial resistance and antibiofilm strategies; advances in AMP technologies that cover surface coating, biodetection, nanoparticles, formulation, and delivery; and understanding innate immunity and the basis for immune boosting.

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Global Health Research in an Unequal World

Ethics Case Studies from Africa

Gemma Aellah, Royal Anthropological Institute, UK, **Tracey Chantler**, London School of Hygiene and Tropical Medicine, UK, **Wenzel Geissler**, University of Oslo, Norway

This book is a collection of fictionalised case studies of everyday ethical dilemmas and challenges, encountered in the process of conducting global health research in places where the effects of global, political and economic inequality are particularly evident. It is a training tool to fill the gap between research ethics guidelines, and their implementation 'on the ground'. The case studies, therefore, focus on 'relational' ethics: ethical actions and ideas that emerge through relations with others, rather than in regulations.

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Tuberculosis, Leprosy and Mycobacterial Diseases of Man and Animals

The Many Hosts of Mycobacteria

Edited by **Harshini Mukundan**, Los Alamos National Laboratory, USA, **Mark A Chambers**, Animal and Plant Health Agency (APHA), UK and University of Surrey, UK, **W Ray Waters**, USDA,

USA **Michelle H Larsen**, Albert Einstein College of Medicine, USA

This title covers the most important and widely researched groups of mycobacteria: members of the Mycobacterium tuberculosis complex (MTC) and Mycobacterium leprae, across a wide range of host species. This book provides a reference for researchers working in different fields creating a work which draws together information on different pathogens, and by considering the diseases in a zoonotic context provides a One Health approach to these important groups of diseases.

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Antimicrobial Stewardship Principles and Practice

Edited by **Kerry LaPlante**, Veterans Affairs Medical Centre, USA, **Cheston Cunha**, Brown University, USA, **Haley Morrill**, Veterans Affairs Medical Center, USA, **Louis Rice**, **Eleftherios Mylonakis**, both Rhode Island University, USA

This comprehensive reference work is written by an international team of acknowledged experts in the field, who explore the effective use of coordinated antimicrobial interventions to change prescribing practice and help slow the emergence of antimicrobial resistance, ensuring that antimicrobials remain an effective treatment for infection. This book provides infectious disease physicians, administrators, laboratory, pharmacy, nursing and medical staff with practical guidance in setting up antimicrobial stewardship programs in their institutions with the aim of selecting the optimal antimicrobial drug regimen, dose, duration of therapy, and route of administration.

December 2016 | HB | 480 Pages | 9781780644394
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Food Supply Networks Trust and E-business

Edited by **Maurizio Canavari**, Università di Bologna, Italy, **Melanie Fritz, Gerhard Schiefer**, both 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.

November 2015 | HB | 212 Pages | 9781845936396
£55 | €70 | \$105

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£27.50 | €35 | \$52.50

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Health Benefits of Green Tea An Evidence-based Approach

Yukihiko Hara, Tea Solutions, Japan, **Chung S. Yang**, Rutgers University, USA, **Mamoru Isemura, Isao Tomita**, both University of Shizuoka, Japan

This book explores the significance of green tea and its catechins represented by epigallocatechin gallate, demonstrating their beneficial effects on diseases including cancer, obesity, arteriosclerosis and diabetes. The present status of human studies and avenues for future research are discussed. It is written by a team of experts from across the globe and makes significant Japanese findings available to international researchers. It is an essential resource for researchers interested in the biochemistry and pharmacology of green tea, and functional foods and beverages.

September 2017 | HB | 240 Pages | 9781786392398
£95 | €125 | \$160

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Microbial Food Safety A Food Systems Approach



Charlene Wolf-Hall, William Nganje, both North Dakota State University, USA

Microbial Food Safety: A Food Systems Approach explains concepts through a food

supply network model to show the interactions between how humans move food through the global food system and the impacts on microorganisms and risk levels of microbial food safety. Presented in full colour throughout, this book includes key questions, examples, summaries, further reading, and a glossary to aid and focus reading, and has online companion resources.

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Natural Polymers for Drug Delivery

Edited by **Harsha Kharkwal**, Amity University, India, **Srinivas Janaswamy**, Purdue University, USA

This book explores the opportunistic utility of natural polymers in developing effective drug delivery systems, providing analysis of their source, chemical structure and mechanism of action. It covers novel polymers for drug delivery, in particular extracts from plants, microorganisms and proteins, as well as water-soluble and water-insoluble biodegradable polymers.

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Nutrition and Behavior, 2nd Edition A Multidisciplinary Approach

John Worobey, Beverly J Tepper, both Rutgers University, USA, **Robin B Kanarek**, Tufts University, USA

The relationship between nutrition and behaviour is bi-directional in nature, with nutritional factors able to affect activity and disposition, and

behaviour impacting diet and food intake. This book reviews these links and also illustrates how behaviour may determine nutritional choices or status through peer modelling and poor dietary habits. Micronutrients and eating disorders are then critically addressed, with a review of current research methods and results, before extra-nutritional influencers on behaviour such as caffeine, herbal supplements and alcohol are discussed.

August 2015 | HB | 272 Pages | 9781780644448
£115 | €150 | \$190

August 2015 | PB | 272 Pages | 9781780644455
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The Handbook of Microbial Metabolism of Amino Acids

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

This book collates and reviews recent advances in the microbial metabolism of amino acids, emphasizing diversity – in terms of the range of organisms under investigation and their natural ecology – and the unique features of amino acid metabolism in bacteria, yeasts, fungi, protozoa and nematodes. As well as studying the individual amino acids, including arginine, sulfur amino acids, branched-chain amino acids and aromatic amino acids, a number of themes are explored throughout the work.

March 2017 | HB | 576 Pages | 9781780647234
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Ingvar Sundh, Andrea Wilcks, Mark S Goettel
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Paul Hyman, Stephen T Abedon
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George Tegos, Eleftherios Mylonakis
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Julia Hussein, Affette M McCaw-Binns, Jürgen König, Donato F Romagnolo, Roger Webber
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Partho Dhang
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Stephen Kidd
 June 2011 | HB | 320 Pages | 9781845937607 £90 | €115 | \$170
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Philip Sutton, Hazel Mitchell
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G Frühbeck
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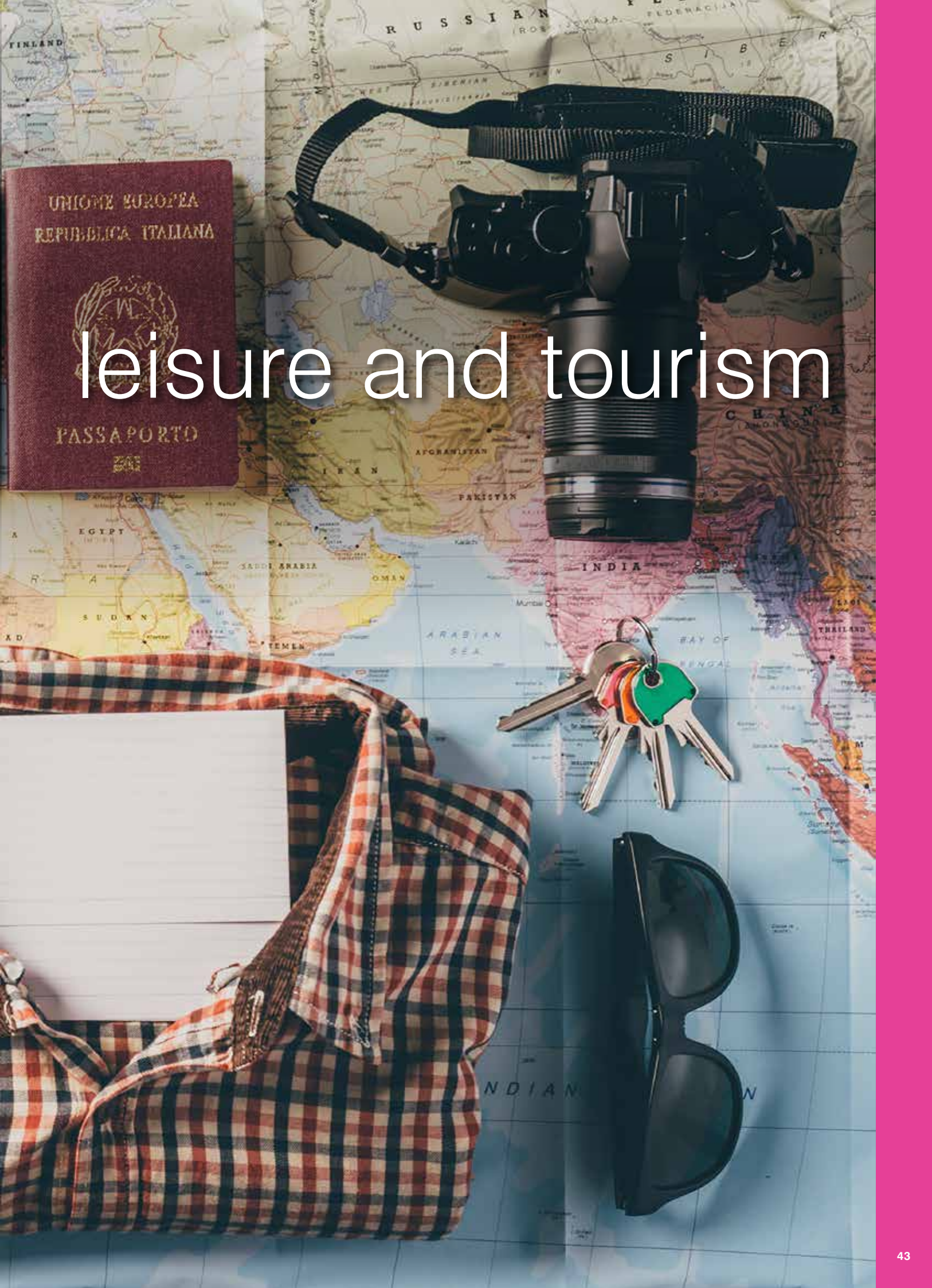
Giardia and Cryptosporidium

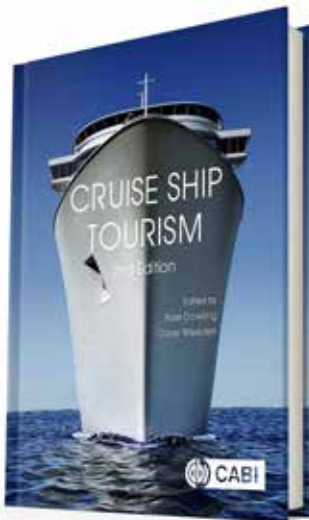
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Cruise Ship Tourism, 2nd Edition

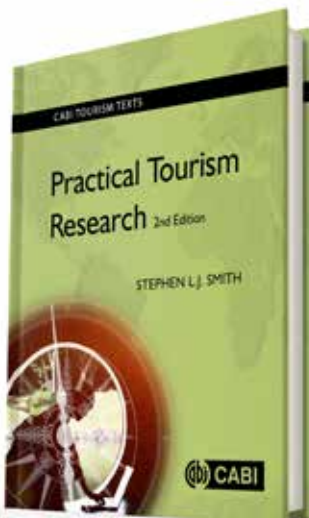
Edited by **Ross Dowling**, Edith Cowan University, Australia, **Clare Weeden**, University of Brighton, UK

Completely updated and revised, *Cruise Ship Tourism*, 2nd Edition covers the economic, social and environmental impacts of cruising, combining the latest knowledge and research to provide a comprehensive account of the subject. It reviews the fundamental principles of the industry, the cruise experience from a passenger perspective, marketing, planning and destination development and includes case studies throughout, translating theory into practical management advice. A valuable 'one-stop-shop' for those interested in cruise ships and maritime tourism, this new edition from major names in the field is also an invaluable resource for anyone concerned more widely with tourism and business development.

January 2016 | HB | 622 Pages | 9781780646084

£145 | €190 | \$240

www.cabi.org/bookshop/book/9781780646084



Practical Tourism Research, 2nd Edition

CABI Tourism Texts



Stephen L J Smith, University of Guelph, Canada

This broad, accessible textbook outlines the concepts and tools essential to understand, manage, and conduct research. Taking a practical approach throughout, this new edition provides advice on the use and cautions associated with some of the more common research designs and tools used by tourism researchers. It covers core techniques such as questionnaire design, sample selection, and interviewing, reviews analytical tools and uses recent real-world examples and focus boxes throughout to assess new aspects of research such as blogs, narrative analysis and Geographic Information Systems (GIS).

December 2016 | PB | 284 Pages | 9781780648873

£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781780648873

Sustainable Tourism



Destination Competitiveness, the Environment and Sustainability Challenges and Cases

CABI Series in Tourism Management Research

Edited by **Andrés Artal-Tur**, Technical University of Cartagena, Spain, **Metin Kozak**, Dokuz Eylul University, Turkey

Providing an invaluable review of the latest research on the topic, global case studies provide a perspective of the worldwide challenges and solutions arising in the management of tourism destinations. The analysis presents an interdisciplinary approach, including contributions of economists, geographers, managers and marketing professionals.

December 2015 | HB | 232 Pages | 9781780646978
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781780646978



Global Climate Change and Coastal Tourism

Recognizing Problems, Managing Solutions and Meeting Expectations

Edited by **Andrew Jones**, **Michael Phillips**, both Swansea Metropolitan University, UK

Global Climate Change and Coastal Tourism explores current threats and consequences of climate change on existing tourism coastal destinations. Part 1 provides a theoretical platform and addresses topics such as sustainability, tourism impacts, governance, trade, and innovation. It also assesses management and policy options for the future sustainability of threatened tourism coastal destinations. Part 2 presents case studies from all regions of the world which synthesise findings to make recommendations that can be used to promote strategies that ameliorate projected impacts of climate change on coastal tourism and promote the future sustainability of coastal tourism destinations.

October 2017 | HB | 256 Pages | 9781780648439
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781780648439



Linking Urban and Rural Tourism Strategies in Sustainability

Edited by **Susan L Slocum**, George Mason University, USA, **Carol Kline**, Appalachian State University, USA

The first of its kind, this book moves away from the vertical approach and provides insight into inclusive regional development strategies that

support both the needs of urban and rural areas whilst enhancing the tourist experience, supporting the positive impacts of tourism and mitigating the negative. Including theoretical and applied research and international case studies, this will be a valuable resource to academics, students and practitioners working in tourism development and regional policy.

May 2017 | HB | 208 Pages | 9781786390141
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781786390141



Planning for Tourism, Leisure and Sustainability International Case Studies

Anthony S Travis, University of Birmingham and International Tourism Consultant, UK

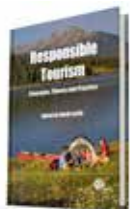
Providing a wide range of case studies in sustainable tourism planning, this authoritative work presents cases at both international and

national levels. Drawing on the author's world-wide experience, this book takes a comparative approach relating to different economic, political and temporal dimensions, examining established initiatives both in the context of the standards of the time and from a modern perspective looking back. With an emphasis on sustainability, this unique collection is an essential resource for tourism planners, researchers and students.

September 2011 | HB | 360 Pages | 9781845937423
£90 | €115 | \$170

June 2015 | PB | 360 Pages | 9781780646817
£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781845937423



Responsible Tourism Concepts, Theory and Practice

Edited by **David Leslie**, formerly of Glasgow Caledonian University, UK

Tourism is one of the world's biggest industries. Responsible tourism is concerned with the effects of tourism on people, ecology, and communities, and seeks to ameliorate these

impacts by providing tourism which benefits host communities, improves working conditions, involves the local community, promotes cultural heritage, and benefits the environment. This book discusses responsible tourism as a whole, including the politics, policy and planning behind it, and major sub-topics such as poverty reduction, the environment, transport, governance, wildlife tours, and heritage.

September 2012 | HB | 192 Pages | 9781845939878
£70 | €90 | \$130

June 2015 | PB | 192 Pages | 9781780646800
£35 | €45 | \$60

www.cabi.org/bookshop/book/9781845939878



Sustainable Island Tourism Competitiveness and Quality-of-life CABI Series in Tourism Management Research

Edited by **Patrizia Modica**, University of Cagliari, Italy, **Muzaffer Uysal**, University of Massachusetts, USA

Focusing on the unique perspective of island tourism destinations, this book outlines impacts on, and potential strategies for, protecting the natural environment, local economy, and local culture. The first book to provide coverage on sustainable tourism best practice in island destinations, it also includes a portfolio of conceptual, empirical, and case-based studies written by international experts to give a balanced and comprehensive view.

December 2016 | HB | 212 Pages | 9781780645421
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781780645421



The Encyclopedia of Sustainable Tourism

Edited by **Carl Cater**, **Brian Garrod**, **Tiffany Low**, all Aberystwyth University, UK

Tourism is the world's fastest growing industry, and impacts globally upon ecology, economies, peoples, cultures and the built environment. Development, therefore, must

be sustainable and sympathetic in order to preserve the environment and culture it exploits. Despite sustainable tourism being an area of considerable recent interest, there has been no synthesis of the diverse considerations of sustainable tourism, and the language and terms particular to this subject. An important resource for researchers of tourism, this reference work defines and explains terms associated with considering and preserving the environment, host peoples, communities, cultures, customs, lifestyles, and social and economic systems.

October 2015 | HB | 662 Pages | 9781780641430
£125 | €165 | \$240

www.cabi.org/bookshop/book/9781780641430



Creating Experience Value in Tourism

Edited by **Nina K Prebensen**, University College of South East Norway, Norway, **Joseph S Chen**, Indiana University, USA, **Muzaffer Uysal**, University of Massachusetts, USA

As the field of tourism grows in maturity and scientific sophistication, it is important to fully understand the breadth and depth of vacation experience value. Current research delivers a multitude of approaches to value creation, represented here as a set of definitions, perspectives, and interpretations of how tourists, as customers, create value alone and with others. Providing an analytical and systematic clarification of the approaches, this book suggests an understanding of the differences, offering new and practical knowledge for tourism scholars and professionals to highlight the relevance of the concept to firms and organizations.

July 2014 | HB | 288 Pages | 9781780643489
£85 | €110 | \$160

July 2016 | PB | 288 Pages | 9781786390301
£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781780643489



Leisure, Sport and Tourism, Politics, Policy and Planning, 4th Edition

CABI Tourism Texts

A J Veal, University of Technology, Australia

A comprehensive, multi-disciplinary approach to public policy making and planning in the leisure, sport and tourism sectors, this book provides an introduction to the subject for undergraduate and postgraduate students. It examines the theoretical issues underpinning public sector policy making such as political ideologies, leisure wants, needs, demand and benefits, and human rights in leisure, sport, tourism, and culture. Also discussing the debates surrounding the role of the state versus market, and models of organizational decision-making, it uses applied sections addressing strategic planning and performance evaluation to provide a link between theory and practical analytical techniques.

April 2017 | HB | 340 Pages | 9781780648033
£95 | €125 | \$160

April 2017 | PB | 340 Pages | 9781780648040
£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781780648033



Operations Management in the Travel Industry, 2nd Edition



Edited by **Peter Robinson**, University of Wolverhampton, UK, **Paul Fallon**, Sheffield Hallam University, UK, **Harry Cameron**, University of Wolverhampton, UK, **John Crotts**, College of Charleston, USA

This book teaches effective managerial skills by reviewing legal frameworks, quality management and marketing, financial management, and the management of shareholders and stakeholders. It discusses current trends such as sustainability and governmental emission targets. This new edition includes new content, a revised structure and all-new international case studies.

February 2016 | HB | 376 Pages | 9781780646107
£95 | €125 | \$160

February 2016 | PB | 376 Pages | 9781780646114
£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781780646107



Risk and Safety Management in the Leisure, Events, Tourism and Sports Industries

Mark Piekarz, University of Worcester, UK, **Ian Jenkins**, University of Iceland, Iceland, **Peter Mills**, Sport and Leisure Management Consultant, QLM Ltd, UK

This book is designed for students and practitioners who wish to improve upon past practices, make better management decisions, and ensure safer operating environments. It includes an explanation of the core underpinning concepts of risk and safety, which can be used at different levels of management, in different countries, for all leisure-related industry sectors, numerous applied examples, and case studies from around the world and many practical hints and tips on how to analyse, assess and control risks and improve on safety.

September 2015 | PB | 296 Pages | 9781780644493
£35 | €45 | \$70

www.cabi.org/bookshop/book/9781780644493



Managing Outdoor Recreation, 2nd Edition

Case Studies in the National Parks

Robert Manning, University of Vermont, USA, **Laura Anderson**, University of Wisconsin-Stevens Point, USA, **Peter Pettengill**, St. Lawrence University, USA

This fully updated second edition presents a conceptual framework of outdoor recreation management in the form of a series of management matrices. It then illustrates this framework through new and updated case studies in the US national parks, and concludes with the principles of outdoor recreation management. Written by an author team with extensive academic and practical experience in the field of outdoor recreation.

April 2017 | HB | 240 Pages | 9781786391025
£95 | €125 | \$160

April 2017 | PB | 240 Pages | 9781786391018
£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781786391025



Planning for Tourism Towards a Sustainable Future

CABI Tourism Texts



Edited by **Nigel D Morpeth**, Leeds Beckett University, **Hongliang Yan**, Coventry University, UK

This text provides an innovative approach to the pedagogy of contemporary planning processes within different cultural contexts globally. It adopts an innovative multi-disciplinary social science approach and, through the inclusion of international case studies, considers the extent to which intelligent design has enabled the needs of disabled residents and visitors to have universal access to social spaces and facilities. In incorporating the consideration into the fabric of the book it will encourage the mainstreaming of universal design and accessible tourism as keystones of planning processes within the 21st century.

May 2015 | PB | 316 Pages | 9781780644585
£37.50 | €50 | \$72.50

www.cabi.org/bookshop/book/9781780644585



Service Quality in Leisure, Events, Tourism and Sport, 2nd Edition

CABI Tourism Texts



John Buswell, formerly of University of Gloucestershire, UK, **Christine Williams**, formerly University of Central Lancashire, UK, **Keith Donne**, University of Gloucestershire, UK, **Carley Sutton**, University of Central Lancashire, UK

This new edition of a successful textbook addresses the key points and principles of managing service quality across the industry. Fully updated and enhanced, it covers areas such as the experience economy, capacity management and service culture. It also includes case studies to help students apply theory to practice and is packed with pedagogy and full colour illustrations.

December 2016 | HB | 322 Pages | 9781780645445
£85 | €110 | \$140

December 2016 | PB | 322 Pages | 9781780645452
£37.50 | €50 | \$62.50

www.cabi.org/bookshop/book/9781780645445



Strategic Management in Tourism, 3rd Edition

Edited by **Luiz Moutinho**, Dublin City University, UK, **Alfonso Vargas Sánchez**, University of Huelva, Spain

Fully updated throughout, this comprehensive textbook has, at its core, the importance of linking strategic thinking with action in the management of tourism. It provides an analytical evaluation of the most important global trends as well as an analysis of the impact of crucial environmental issues and their implications. Reviewing the major factors affecting international tourism management, this new edition covers marketing strategy, functional management, and strategic planning. The number of chapters has been increased to incorporate a wider spread of important topics, and new authors recruited to cover aspects such as sustainability, authenticity and crisis management for the first time.

December 2017 | PB | 312 Pages | 9781786390240
£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781786390240

Research



Demystifying Theories in Tourism Research

Edited by **Kelly S Bricker**, University of Utah, USA, **Holly Donohoe**, University of Florida, USA

This book reviews theoretical perspectives on tourism from planning and management, through marketing and host communities to the tourism consumers themselves. Covering issues such as tour guiding, rural tourism development and destination image, it provides a complete guide to the industry. Including pedagogical features throughout, this book is an accessible approach to a controversial subject.

December 2015 | HB | 256 Pages | 9781780647227
£95 | €125 | \$160

December 2015 | PB | 256 Pages | 9781780646916
£35 | €45 | \$60

www.cabi.org/bookshop/book/9781780647227



Research Themes for Tourism

Edited by **Peter Robinson**, University of Wolverhampton, UK, **Sine Heitmann**, University of Wolverhampton, UK, **Peter U C Dieke**, formerly George Mason University, USA

Tourism studies at Masters level are often divided into subsets of tourism. This textbook provides an overview of types of tourism and common themes studied in courses to allow undergraduate students to become familiar with a wide range of tourism topics at a foundation level, allowing them to make an informed decision about their future studies and career. It will also be a useful text for providing a broad brush introduction to the major topics.

January 2011 | HB | 320 Pages | 9781845936846
£80 | €105 | \$150

June 2015 | PB | 320 Pages | 9781780646909
£39.99 | €55 | \$65

www.cabi.org/bookshop/book/9781845936846



Visitor Management in Tourism Destinations

CABI Series in Tourism Management Research

Edited by **Julia N Albrecht**, University of Otago, New Zealand

Visitor Management in Tourism Destinations provides insight into critical concepts such as the visitor experience, service quality, the uses of indicators and frameworks, and interpretation. It also addresses current issues, including the social and political dimensions of visitor management, the implementation of monitoring, vandalism, and augmented reality. Authored by leading international researchers in the field of visitor management research, it includes research-based case studies which contribute to an overall understanding of core issues and covers up-to-the-minute research in guiding and interpretation.

December 2016 | HB | 208 Pages | 9781780647357
£80 | €105 | \$135

www.cabi.org/bookshop/book/9781780647357



Research Methods for Leisure, Recreation and Tourism, 2nd Edition

CABI Tourism Texts

Edited by **Ercan Sirakaya-Turk**, University of South Carolina, USA, **Muzaffer Uysal**, University of Massachusetts, USA, **William E Hammitt**, Clemson University, USA, **Jerry J Vaske**, Colorado State University, USA

This new edition is updated throughout, covering the measurement of variables, sampling, questionnaire design and evaluation methods, and a wider discussion of writing proposals and the use of new technologies in conducting research. This new edition includes expanded material on visual research methods, nonparametric tests and sampling; pedagogical features for students; and numerous examples from tourism and recreation literature in every chapter, tying theory into scenarios students could face in their careers.

April 2017 | PB | 352 Pages | 9781786390486
£39.99 | €55 | \$75

www.cabi.org/bookshop/book/9781786390486

Religious Tourism



Conflicts, Religion and Culture in Tourism

Edited by **Razaq Raj**, Leeds Beckett University, UK, **Kevin A Griffin**, Dublin Institute of Technology, Ireland

Divided into three sections the book presents the role which faith plays in cross-cultural conflict resolution and opens dialogue and activism by being responsive to common challenges of peace making and coexistence within and among the world's many traditions. It contains current and diverse empirical research insights on aspects of religious traditions, conflicts and challenges, presented via a range of contemporary case studies, related to ancient, sacred and emerging tourist destinations and new forms of pilgrimage, faith systems and quasi-religious activities.

September 2017 | HB | 208 Pages | 9781786390646
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781786390646



Heritage Tourism Destinations Preservation, Communication and Development

Edited by **Maria D Alvarez**, Bogaziçi University, Turkey, **Frank Go**, Erasmus University, The Netherlands, **Atila Yüksel**, Adnan Menderes University, Turkey

Beginning with an overview of the subject, this book considers the conservation and revitalization of heritage destinations as well as the role local communities have in supporting an attraction. It then discusses product development and communication around the world, using new techniques such as social media and examples from food tourism and sporting events, before a final section reviews the planning and institutionalization of heritage spaces. A timely conclusion subsequently considers the implications of developments such as globalization, technological improvement and climate change upon these unique destinations.

May 2016 | HB | 216 Pages | 9781780646770
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781780646770



Religious Pilgrimage Routes and Trails Sustainable Development Management

Edited by **Anna Trono**, University of Salento, Italy, **Daniel H Olsen**, Brigham Young University, USA

This is the first book to provide a holistic approach on pilgrimage routes and trails around the world, with case studies drawn from different regions across the world. It covers conceptual themes such as sustainable local development, regional economic development, heritage identity and management, and environment and sustainability. The second section of the book then includes case study pilgrimage route/trails from different world regions.

November 2017 | HB | 272 Pages | 9781786390271
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781786390271

Tourism Behaviour and Theory



Mass Tourism in a Small World An International Perspective

Edited by **David Harrison**, Middlesex University, UK, **Richard Sharpley**, University of Central Lancashire, UK

The first book of its kind, this text focuses on the theoretical perspectives on mass tourism (including systems approaches, political economy, ethics, sustainability, and environmentalism) the historical context of mass tourism, and the current challenges to domestic, intra-regional and international mass tourism. Including international case studies, it is an essential resource for researchers and students within tourism studies.

May 2017 | HB | 256 Pages | 9781780648545
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781780648545



Pilgrimage and Tourism to Holy Cities Ideological and Management Perspectives CABI Religious Tourism and Pilgrimage Series

Edited by **Maria Leppäkari**, Swedish Theological Institute in Jerusalem and Åbo Akademi University, Finland, **Kevin Griffin**, Dublin Institute of Technology, Ireland

This book covers the ideological motives and religious perceptions behind travel to sites prescribed with sanctity in Judaism, Christianity and Islam. It covers sites that have drawn pilgrims and religious tourists to them for hundreds of years, and seeks to provide an understanding of the complex world of religiously motivated travel. Beginning with contemporary perspectives of pilgrimage across these religions, it then discusses management aspects such as logistics, infrastructure, malevolent behaviour, and evangelical volunteers.

December 2016 | HB | 200 Pages | 9781780647388
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781780647388



Religious Tourism and Pilgrimage Management, 2nd Edition An International Perspective

Edited by **Razaq Raj**, Leeds Beckett University, UK and **Kevin Griffin**, Dublin Institute of Technology, Ireland

Within the past 10 years, 'Religious Tourism' has seen both economic and education-sector growth on a global scale. This book addresses the central role of religious tourism and interrelationships with other aspects of pilgrimage management. It provides practical applications, models and illustrations, and looks at secular and sacred spaces on a global stage. The second edition sees the introduction of a new structure and the addition of new international case studies. It is an invaluable reference for academics, students and practitioners, and is a timely text on the future of faith-based tourism and pilgrimage.

September 2015 | HB | 352 Pages | 9781780645230
£85 | €110 | \$160

www.cabi.org/bookshop/book/9781780645230



Tourism and Resilience

Edited by **Richard W Butler**, Strathclyde University, UK

The book discusses the nature of the concept of resilience and its application to tourism. It illustrates this discussion through chapters dealing with the initial application of the concept in specific situations, the degree of resilience or ability of phenomena to absorb and respond to potential change brought about by tourism, and the application of the concept to specific features and communities responding to the effects of tourism visitation and development.

May 2017 | HB | 232 Pages | 9781780648330
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781780648330



Tourism Theory Concepts, Models and Systems



Gui Lohmann, Griffith University, Australia,
Alexandre Panosso Netto, University of
São Paulo, Brazil

Tourism Theory provides clear and thorough coverage of all aspects of tourism theory for students and researchers of tourism. The first three sections examine general concepts in tourism; disciplines and topics; and the tourist, which includes areas such as demand, gaze, psychology, and typologies. A fourth section covers intermediation, distribution and travel. The final section encapsulates the tourism destination itself, covering organizations, the destination image, supply, seasonality, and more. In-depth analysis, exercises and further reading suggestions for each of the selected areas provide the context and detail needed for understanding. Entries can be used individually as a reference, or as part of the whole, for a complete introduction to tourism theory.

December 2016 | HB | 268 Pages | 9781780647159
£95 | €125 | \$160

www.cabi.org/bookshop/book/9781780647159



Tourist Behaviour An International Perspective

Edited by **Metin Kozak**, Dokuz Eylul University,
Turkey, **Nazmi Kozak**, Anadolu University,
Turkey

Consumer research is often central to academic studies in many different fields and, more recently, tourism studies have empirically examined consumer research from various aspects. However, there is a need to provide information for tourism scholars on how to better understand aspects of tourist behaviour. *Tourist Behaviour: An International Perspective* provides a collection of topics from both theoretical and practical approaches to building and examining the theory of how consumers think and act within the context of tourism consumption. It presents interdisciplinary approach to the latest research within the themes of influence, motivation, choice, and consumption and experience, with contributions from authors in over 15 countries.

November 2016 | HB | 198 Pages | 9781780648125
£85 | €110 | \$140

www.cabi.org/bookshop/book/9781780648125



Transformational Tourism Host Perspectives

Edited by **Yvette Reisinger**, Gulf University for
Science and Technology, Kuwait

Transformational Tourism deals with the important issue of how travel and tourism can change human behaviour and have a positive impact on the world. The book focuses on

human development in a world dominated by post-9/11 security and political challenges, economic and financial collapses as well as environmental threats; it identifies various types of tourism that can transform human beings such as educational, volunteer, survival, community-based, eco, farm, extreme, religious, spiritual, wellness, and mission tourism.

August 2015 | HB | 236 Pages | 9781780643922
£75 | €100 | \$145

www.cabi.org/bookshop/book/9781780643922



Transformative Travel in a Mobile World

Garth Lean, Western Sydney University,
Australia

This book presents the re-theorization of travel and transformation. It explores the factors that influence the behaviours of a traveller, how these become entwined in experiences, and how travel experiences continue on a traveller's return. It uses the notion of transformation to redevelop the temporal and spatial boundaries of physical travel, develop a model for unpacking transformation and to look at new methods in the exploration of travel research.

December 2015 | HB | 274 Pages | 9781780643991
£85 | €110 | \$160

www.cabi.org/bookshop/book/9781780643991

Special Interest Tourism



Arctic Tourism Experiences Production, Consumption and Sustainability

Edited by **Young-Sook Lee**, UiT The Arctic
University of Norway, Norway, **David Weaver**,
Griffith University, Australia, **Nina K Prebensen**,
University College of South East Norway, Norway

An exploration of Arctic tourism, focusing on tourist experiences and industry provision of those experiences, this is the first compilation to concentrate on the fundamental essence of the Arctic as being a geographical periphery, but also an experiential core that offers peak tourism experiences. Part 1 investigates the depth and dimensions of tourist experiences in the Arctic. Chapters examine the essence of diverse peak experiences and delve into the factors that give rise to these experiences. Part 2 considers the links between these core experiences and the tourism industry that seeks to sustain itself by facilitating such satisfying outcomes.

March 2017 | HB | 208 Pages | 9781780648620
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Mountain Tourism Experiences, Communities, Environments and Sustainable Futures

Edited by **Harold Richins** and **John S Hull**,
Thompson Rivers University, Canada

Mountains have long held an appeal for people around the world. This book focuses on the diversity of perspectives, interaction and role of tourism within these areas. Providing a vital update to the current literature, it considers the interdisciplinary context of communities, the creation of mountain tourism experiences, and the impacts tourism has on these environments. Including authors from Europe, Asia-Pacific and North America, the development, planning and governance issues are also covered.

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Tourism and Leisure Behaviour in an Ageing World

Ian Patterson

Older adults are a section of the population with the money and the time to invest heavily in leisure and tourism activities, but they bring their own unique challenges to the industry.

This book, based on Ian Patterson's previously published *Growing Older*, provides an overview of the latest research concerning tourist behaviour and the leisure needs of baby boomers, seniors, and older adults. Covering trends in the market place that are attracting the older market, this new edition contains case studies of tourism and leisure organizations successfully catering to older needs, and discusses and reviews such growing areas as independent travel, the leisure experience, cultural and heritage tourism, cruises, and health and wellness tourism.

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The rural business setting is especially intricate due to the assortment of different business opportunities. This important new textbook on the subject examines key issues affecting rural enterprise and tourism and explores the breadth of rural enterprise management and marketing across both developed and developing economies. It also discusses strategies for business growth within a rural setting, and uses a mix of case studies and theoretical content specifically selected to appeal to both student and practitioner readers.

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