

DIGITAL MAJOR REFERENCE WORKS IN CLIMATE CHANGE

Enjoy a **35%** discount off the e-book bundled price today!
Original bundle price: ~~US\$2,624 / £2,291~~

Discounted bundle price: US\$1,706 / £1,489

Series on Climate Change Impacts, Adaptation, and Mitigation – Volume 5

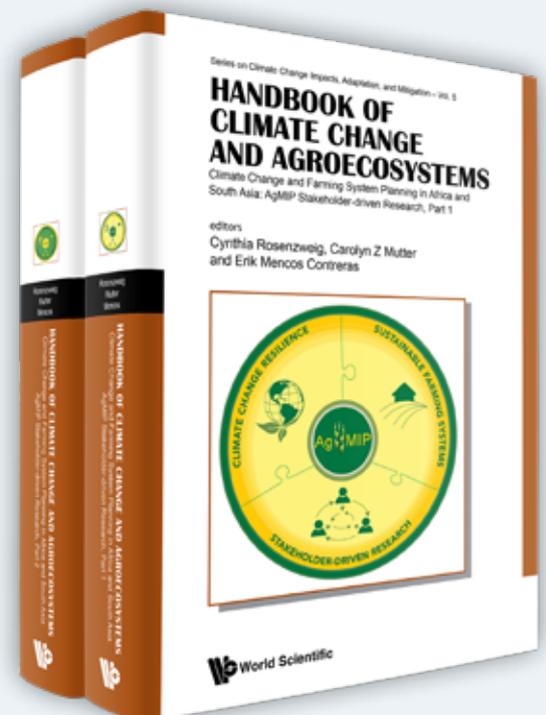
HANDBOOK OF CLIMATE CHANGE AND AGROECOSYSTEMS

Climate Change and Farming System Planning in Africa and South Asia: AgMIP Stakeholder-driven Research (In 2 Parts)

edited by **Cynthia Rosenzweig** (Columbia University, USA & NASA Goddard Institute for Space Studies, USA), **Carolyn Z Mutter** (Columbia University, USA & NASA Goddard Institute for Space Studies, USA) & **Erik Mencos Contreras** (Columbia University, USA & NASA Goddard Institute for Space Studies, USA)

This two-part handbook focuses on the work that the Agricultural Model Intercomparison and Improvement Project (AgMIP) accomplished using a new method — the AgMIP Regional Integrated Assessment Protocol — in Sub-Saharan Africa (SSA) and South Asia (SA), with funding from the UK Department for International Development. Through this research, AgMIP substantially improves the characterization and understanding of food security in SSA and SA and how its affected by climate variability and change.

The chapters in this handbook demonstrate how AgMIP has enhanced the capacity of developing country researchers and stakeholders to work together, exploring and prioritizing adaptation to current and future climate stresses. Part 1 describes regional integrated assessment methods and analyses, while Part 2 presents the outcomes of farming system studies. The entire volume shows how AgMIP has established, as a public good, protocols for Regional Integrated Assessments that improve the capability of developing countries to address climate change challenges.



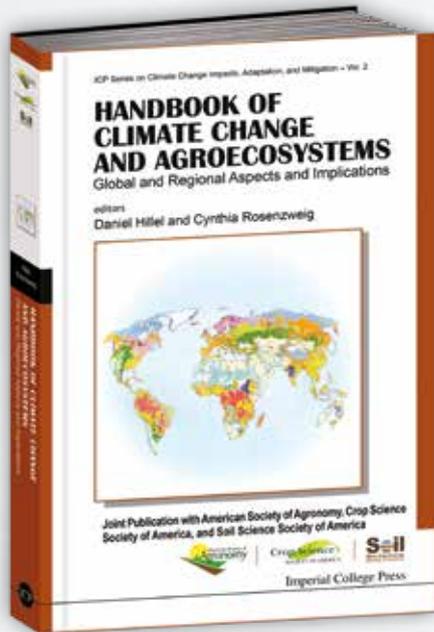
Readership: Professionals (agriculture, resource economics, climate science, environmental engineering) and Students (undergraduate and graduate) in research, Development experts, National and regional agricultural planners, and Climate change negotiators.

812pp (Set)

978-1-78634-876-0(ebook)

Apr 2021

US\$720 / £635



ICP Series on Climate Change Impacts, Adaptation, and Mitigation – Volume 2

HANDBOOK OF CLIMATE CHANGE AND AGROECOSYSTEMS

Global and Regional Aspects and Implications

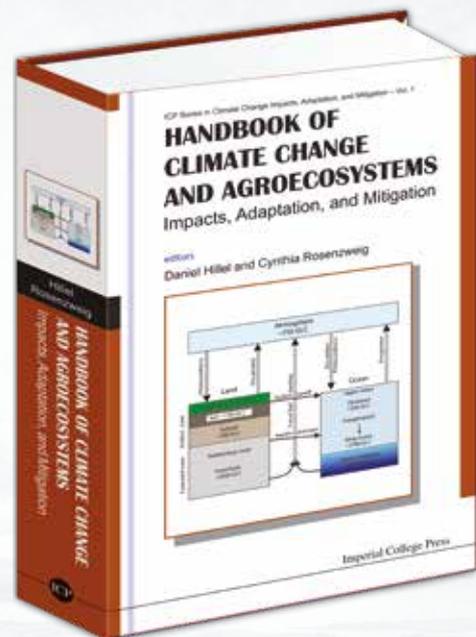
edited by **Daniel Hillel** (Columbia University, USA & Goddard Institute for Space Studies, USA) & **Cynthia Rosenzweig** (Columbia University, USA & Goddard Institute for Space Studies, USA)

Climate change is no longer merely projected to occur in the indeterminate future. It has already begun to be manifested in the weather regimes affecting agroecosystems, food production, and rural livelihoods in many regions around the world. It is a real and growing challenge to the world at large and in particular to the scientific community, which is called upon with increasing urgency to respond effectively.

The second volume in the ICP Series on Climate Change Impacts, Adaptation, and Mitigation, *Handbook of Climate Change and Agroecosystems: Global and Regional Aspects and Implications* is published jointly by the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America and Imperial College Press. The ongoing series is dedicated to elucidating the actual and potential impacts of climate change, and to formulating effective responses to this global challenge. It is designed to inform, spur, and integrate the work of leading researchers in the major regions of the world, and to further international cooperation in this crucial field.

Readership: Advanced undergraduates and graduate students, academia and researchers in climate change, agricultural sciences and biology.

320pp **Oct 2012**
978-1-84816-984-5(ebook) **US\$177 / £147**



ICP Series on Climate Change Impacts, Adaptation, and Mitigation – Volume 1

HANDBOOK OF CLIMATE CHANGE AND AGROECOSYSTEMS

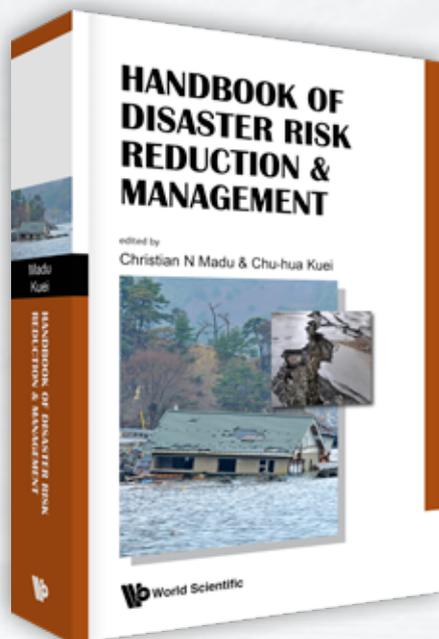
Global and Regional Aspects and Implications

edited by **Daniel Hillel** (Columbia University, USA & Goddard Institute for Space Studies, USA) & **Cynthia Rosenzweig** (Columbia University, USA & Goddard Institute for Space Studies, USA)

This handbook presents an exposition of current research on the impacts, adaptation, and mitigation of climate change in relation to agroecosystems. It is offered as the first volume in what is intended to be an ongoing series dedicated to elucidating the interactions of climate change with a broad range of sectors and systems, and to developing and spurring effective responses to this global challenge. As the collective scientific and practical knowledge of the processes and responses involved continues to grow, future volumes in the series will address important aspects of the topic periodically over the coming years.

Readership: Advanced undergraduates and graduate students, academia and researchers in climate change, agricultural sciences and biology.

452pp **Sep 2010**
978-1-84816-656-1(ebook) **US\$252 / £209**



HANDBOOK OF DISASTER RISK REDUCTION & MANAGEMENT

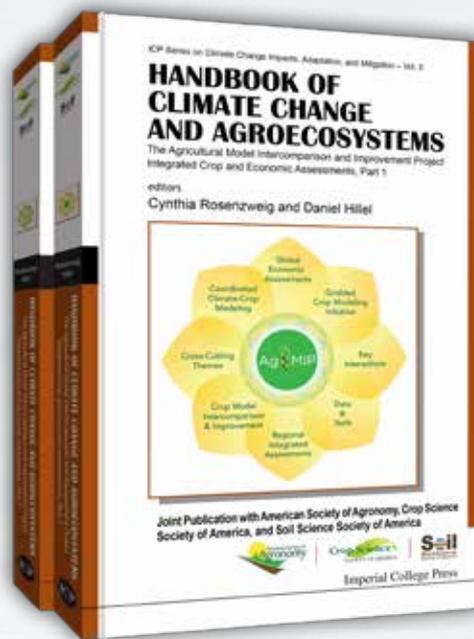
Climate Change and Natural Disasters

edited by **Christian N Madu** (*University of Nigeria, Nigeria & Pace University, USA*) & **Chu-Hua Kuei** (*Pace University, USA*)

The book takes an in-depth look at climate change and its association to socio-economic development and cultures especially in vulnerable communities; and investigates how communities can develop resilience to disasters. A balanced and a multiple perspective approach to manage the risks associated with natural disasters is offered by engaging authors from the entire globe to proffer solutions.

Readership: Graduate students, researchers and practitioners in the field of disaster management, environmentalists, federal emergency management agencies, disaster risk managers.

956pp **Jul 2017**
978-981-3207-95-0(ebook) **US\$432 / £380**



ICP Series on Climate Change Impacts, Adaptation, and Mitigation – **Volume 3**

HANDBOOK OF CLIMATE CHANGE AND AGROECOSYSTEMS

The Agricultural Model Intercomparison and Improvement Project (AgMIP) Integrated Crop and Economic Assessments — Joint Publication with American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America
(In 2 Parts)

edited by **Cynthia Rosenzweig** (*Columbia University, USA*) & **Daniel Hillel** (*Columbia University, USA*)

“The volume presents the advances reported in a clear and structured way. In doing so it provides a new benchmark for state-of-the-art coordinated international research into this important topic.” **Professor Andy Challinor**
University of Leeds

The Agricultural Model Inter-comparison and Improvement Project (AgMIP) was developed to evaluate agricultural models and intercompare their ability to predict climate impacts. In sub-Saharan Africa and South Asia, South America and East Asia, AgMIP regional research teams (RRTs) are conducting integrated assessments to improve understanding of agricultural impacts of climate change (including biophysical and economic impacts) at national and regional scales. Other AgMIP initiatives include global gridded modeling, data and information technology (IT) tool development, simulation of crop pests and diseases, site-based crop-climate sensitivity studies, and aggregation and scaling.

Readership: Researchers and graduate students interested in climate change and its effects on agricultural systems.

1160pp (Set) **Feb 2015**
978-1-78326-564-0(ebook) **THIS IS A FREE ACCESS EBOOK**

Enjoy a **35%** discount off the e-book bundled price today!

Original bundle price: ~~US\$2,624 / £2,294~~

Discounted bundle price: US\$1,706 / £1,489

WORLD SCIENTIFIC ENCYCLOPEDIA OF CLIMATE CHANGE

Case Studies of Climate Risk, Action, and Opportunity

(In 3 Volumes)

edited by **Jan W Dash** (Formerly, Bloomberg LP, USA)

The Climate Change Encyclopedia is useful for climate change, our outstanding risk and survival issue, requiring action and providing opportunity. Primary-source expert authors write in a unique case-study structure that enables the Encyclopedia to be approachable, informational, and motivational for the public. The key focus areas are Climate Change and Finance, Economics, and Policy, with many other related climate categories included. The over 100 case studies provide realistic and interesting views of climate change, based on authors' published papers, reports, and books, plus climate-related activities of organizations, and selected topics. Authors are scientists, faith leaders, heads of organizations, business leaders, and many others.

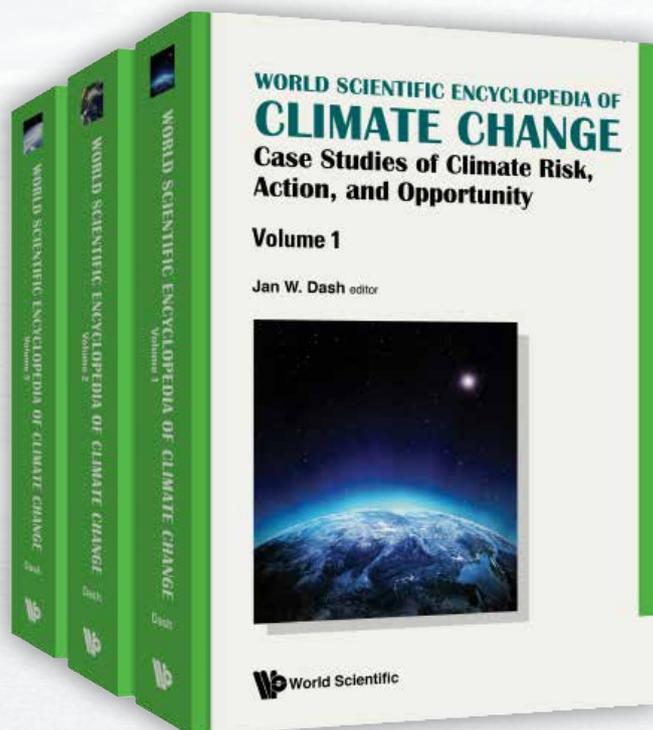
Readership: Students and public who are interested in the Important work of climate change.

1108pp (Set)

Feb 2021

978-981-121-392-2(ebook)

US\$1043 / £920



Find out where your university stands
in the newly launched
World University Research Rankings



Recommend To Your Librarian!

For orders or enquiries, please contact any of our offices below or visit us at: www.worldscientific.com

• NORTH & SOUTH AMERICA

World Scientific Publishing Co. Inc. Fax: 1-201-487-9656 Tel: 1-201-487-9655 Email: sales_us@wspc.com

• EUROPE & THE MIDDLE EAST

World Scientific Publishing (UK) Ltd. Fax: 44 (0) 123 546 5555 Tel: 44 (0) 123 546 5500 Email: direct.orders@marston.co.uk

• ASIA & THE REST OF THE WORLD

World Scientific Publishing Co. Pte. Ltd. Fax: 65 6467 7667 Tel: 65 6466 5775 Email: sales@wspc.com.sg

* Prices subject to change without prior notice