# Agricultural Development and Food Security in Developing Nations

Part of the Advances in Environmental Engineering and Green Technologies Book Series

Wayne G. Ganpat (The University of the West Indies, Jamaica), Ronald Dyer (Grenoble School of Management, France) and Wendy-Ann P. Isaac (The University of the West Indies, Jamaica)

# **Description:**

The development of sustainable agricultural systems is an imperative aspect of any country, but particularly in the context of developing countries. Lack of progress in these initiatives can have negative effects on the nation as a whole.

Agricultural Development and Food Security in Developing Nations is a pivotal reference source for the latest scholarly material on promoting advancements in agricultural systems and food security in developing economies. Highlights impacts on citizens, as well as on political and social environments of a country.

# Agricultural Development and Food Security in Developing Nations Wayne G. Gangat, Rouad Dyer, and Wendy-Ann P. Issac

# Readers:

This book is ideally designed for students, professionals, policy makers, researchers, and practitioners interested in recent developments in the areas of agriculture.

**ISBN:** 9781522509424 **Release Date:** November, 2016 **Copyright:** 2017 **Pages:** 333

# **Topics Covered:**

- Agricultural Technologies
- Farm Security
- Genetically Modified Crops
- Horticulture

- Organic Agriculture
- Plant Biotechnology
- Poverty Reduction

Hardcover + E-Access + Free E-Access: Free Hardcover:

\$200.00 \$200.00

### **Order Information**

Phone: 717-533-8845 x100 Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115 Online Bookstore: www.igi-global.com



### **Table of Contents**

### Chapter 1

Dilemmas of Agriculture Trade Liberalisation and Poverty Reduction in the Caribbean and Africa

Ann Rajack-Talley

University of Louisville, Kentucky, U.S.A.

### Chapter 2

Agricultural Development and Food Security in Developing Nations: Social and Environmental Impacts

Frances Bekele

The University of the West Indies, St. Augustine, Trinidad Isaac Bekele

The University of the West Indies, St. Augustine, Trinidad

### Chapter 3

Strengthening Food Security in Emerging Economies Leighton Naraine

Clarence Fitzroy Bryant College, St. Kitts-Nevis and Kevin Meehan – University of Central Florida, USA

### Chapter 4

Appropriate Extension Methodologies for Agricultural Development in Emerging Economies

Famuyiwa Busayo,

Famuyiwa Busayo Solomon, Cocoa Research Institute of Nigeria S. Olaniyi, O.A.

Olaniyi, Olumuyiwa Akin, Ladoke Akintola University of Technology, Department of Agricultural Extension & Rural Development Adesoji, S. A.

Adesoji Solomon Adedapo, Obafemi Awolowo, University, Ile-Ife, Nigeria

Department of Agricultural Extension and Rural Development, Obafemi Awolowo University, Ile-Ife

### Chapter 5

ICTs for Agricultural Development and Food Security in Developing Nations

Bhattacharjee Suchiradipta

School of Social Sciences, College of Post Graduate Studies, Central Agricultural University (CAU), India

Raj Saravanan

Department of Social Sciences, College of Horticulture and Forestry, Central Agricultural University (CAU), India.

### Chapter 6

The Temporal and Spatial Development of Organic Agriculture in Turkey

Aylin Yaman Kocadağlı

Istanbul University, Faculty of Letters, Department of Geography

# Chapter 7

Are GM Crops the Answer to Africa's Critical Food Security Status?: Learning from Developing Country Experience

Nira Ramachandran

Independent Consultant. New Delhi, India

# Chapter 8

Appropriate and Sustainable Plant Biotechnology Applications for Agriculture Development and Food Security in Developing Economies

Vidva de Gannes

The University of the West Indies St Augustine Campus

Trinidad & Tobago

Carlos G. Borroto

Yucatan Center for Scientific Research (CICY)

Merida, Mexico

### Chapter 9

Farm Level Best Practices for Strategic Food Security in the Caribbean Marcus N.A.Ramdwar

The University of Trinidad and Tobago (UTT), Trinidad and Tobago,

West Indies

Narendra Siew

The University of Trinidad and Tobago (UTT), Trinidad and Tobago,

West Indies

### Chapter 10

Horticulture as Reliable Source of Nutrition and Livelihood in Andaman & Nicobar Islands, India

Shrawan Singh,

Indian Agricultural Research Institute, India

Subhash Chand.

National Research Centre for Orchids, India

D. R. Singh,

National Institute of Agricultural Economics and Policy Research, India

S. Dam Roy

National Research Centre for Orchids, India

### Chapter 11

Assessment of the Major Determinants of Agricultural Productivity in Uganda

William Amone,

Gulu University

Dr. Dick Nuwamanya Kamuganga

Uganda Technology and Management University (UTAMU)

Prof. Godswill Makombe

University of Limpopo

## Chapter 12

Integrating Spatial Technologies in Urban Environments for Food Security: A Vision for Economic, Environmental, and Social Responsibility in South Bend, Indiana Edwin Joseph

### Chapter 13

Farm Security for Food Security: Dealing with Farm Theft in the Caribbean Region

Wendy-Ann Isaac

Department of Food Production

Faculty of Food and Agriculture

The University of the West Indies, St. Augustine, Trinidad

Wayne Ganpat

Department of Agriculture Economics and Extension

Faculty of Food and Agriculture

The University of the West Indies

St. Augustine, Trinidad

Michael Joseph

The University of Trinidad and Tobago (UTT), Trinidad and Tobago,

West Indies