

Mohamed Behnassi • Olaf Pollmann
Gabrielle Kissinger
Editors

Sustainable Food Security in the Era of Local and Global Environmental Change

Springer

Contents

Part I Combating Food Insecurity: A Global Responsibility

- 1 Managing Food Systems, Climate Change and Related Challenges to Ensure Sustainable Food Security: The Urgent Need of a Paradigm and Policy Shift** 3
Mohamed Behnassi
- 2 The Meat Crisis: The Ethical Dimensions of Animal Welfare, Climate Change, and Future Sustainability** 19
Joyce D'Silva
- 3 Dietary Options for Climate Change Mitigation** 33
Tozie Zokufa
- 4 Linking Forests and Food Production in the REDD+Context. . . .** 41
Gabrielle Kissinger

Part II Managing Linkages Between Climate Change and Food Security

- 5 Gender, Climate Change and Household Food Security: A South Asian Perspective** 69
Dr. Nira Ramachandran
- 6 The Threats of Climate Change: Implication for Food Crisis in Sub-Sahara Africa** 85
Olunmi Lawrence Balogun, Sulaiman Adesina Yusuf, and Kayode Ayantoye
- 7 Climate Change and Food Security in Kano Nigeria: A Model for Sustainable Food Production** 99
Salisu Lawal Halliru

8	Climate Change and Food Insecurity: Institutional Barriers to Adaptation of Marginal Groups in the Far-Western Region of Nepal	115
	Nirmal Kumar Bishokarma and Sagar Raj Sharma	
9	The Impacts of Climatic Change and Options for Adaptation on Some Subsistence Crops in the Sudano-Sahelian Zone of Cameroon	131
	Prosper Somah Techoro and Michael Schmidt	
Part III Food Security and Food Production and Consumption Patterns		
10	Productive Potential of Urban Agriculture Towards Food Security: Evidence from Southwest Nigeria	159
	Oluremi Akintayo and Babatunde Oyewole	
11	The Role of Bahrain Local Food Production System in Ensuring Sustainable Food Security	175
	Salma Saeed Ahmed Bani	
12	General View Point, Perception and Acceptance of Organic Food Products Among Urban Consumers in the Thai Marketplace	187
	Seksak Chouichom, Lawrence M. Liao, and Masahiro Yamao	
13	Food Diversity and Nutritional Status in School Children in Morocco	203
	Youssef Aboussaleh, Ahmed Ahami, and Mohamed Afachtal	
14	Local or Indigenous Chicken Production: A Key to Food Security, Poverty Alleviation, Disease Mitigation and Socio-Cultural Fulfilment in Africa	217
	Kolawole Daniel Afolabi	
15	Responding to Food Production Challenges in the Face of Global Warming at Community Level in Kenya: The Role of a Local University	231
	Jokastah Kalungu, Walter Leal, and Moses Mwangi	
Part IV Enhancing Food Security by Innovation: Selected Successful Practices		
16	Food Security in Knowledge-Based Economy: Role of Trans-national Seed Corporations	245
	Sangeetha Parthasarathi	

17	Food Security Constraints and Role of Biosaline Agriculture in Meeting Food Demand in the Gulf States Shahid A. Shabbir	269
18	Land Use Change and Food Security: Has Introduction of Rice Production in Cotton Zone in Benin Met Optimal Allocation of Resources by Households? Senakpon.E. Haroll Kokoye, Silvere D. Tovignan, and Rosaine Nerice Yegbemey	287
19	Oil Palm Expansion: Competing Claim of Lands for Food, Biofuels, and Conservation Ari Susanti and Paul Burgers	301
20	Performance of Raised Beds and Conventional Planting Method for Wheat (<i>Triticum Aestivum</i> L.) Cultivation in Punjab, Pakistan Ijaz Rasool Noorka and Saba Tabasum	321
	Postface	337