

Contents

Contributors	xi
Foreword	xxi
Acknowledgements	xxiii
List of Abbreviations	xxv
Introduction <i>Raymond Auerbach</i>	xxix
Part 1 Conceptual and Global Perspectives	1
1 The Developing Organic Sector in Southern and Eastern Africa: What Have We Learned About Sustainable Development? <i>Raymond Auerbach</i>	3
2 An Overview of Global Organic and Regenerative Agriculture Movements <i>Andre Leu</i>	21
3 Organic Research Contributes to Sector Development and Good Organic Policy: the Danish, Swiss, American and African Case Studies <i>Raymond Auerbach</i>	32
4 The Organic Academy of IFOAM-Organics International: Training Multipliers in the Developing World <i>Konrad Hauptfleisch</i>	42
5 Understanding a Food Systems Approach <i>Carola Strassner and Johannes Kahl</i>	51
6 BERAS – a Global Network of Food Systems with Examples from Sweden, Haiti, Tanzania and India <i>Jostein Hertwig</i>	60

Part 2 Capacity Building and Climate Change	79
7 The Likely Impact of the 2015–2018 Drought in South Africa: Lessons From the 2008 Food Price Crisis and Future Implications	81
<i>Raymond Auerbach, Hannelise Piek, Jane Battersby, Stephen Devereux and Nic Olivier</i>	
8 The Use of Participatory Rural Appraisal (PRA) to Support Organic Food Systems in Africa	100
<i>Raymond Auerbach</i>	
9 Strengthening Participation in the Organic Value Chain for Small-scale Farmers in Southern KwaZulu-Natal, South Africa	113
<i>Wim Troosters, Raymond Auerbach and Gareth Haysom</i>	
10 Participatory Guarantee Systems as an Organic Market Entry Point for Small-scale Farmers in South Africa	130
<i>N'wa-Jama Mashele and Raymond Auerbach</i>	
11 Development of an Inclusive Value Chain for Peri-urban Micro-farmers	139
<i>Matthew Purkis</i>	
12 Supporting Vulnerable Communities in the Eastern Cape: Assessing the Rainfall Evidence	151
<i>Raymond Auerbach</i>	
13 Water Efficiency, Energy Efficiency and Suburban Vegetable Production	176
<i>Raymond Auerbach and Anastasia Caude</i>	
14 Experiential Training of Farmers and University Diploma Students in KwaZulu-Natal and the Southern Cape	185
<i>Raymond Auerbach</i>	
Part 3 Supporting Organic Farmers	197
15 The National Organic Agriculture Movement of Uganda	199
<i>Jane Nalunga, Raymond Auerbach and Charles Ssekyewa</i>	
16 Factors Contributing to Adoption or Disadoption of Organic Agriculture in Zambia	209
<i>Robert Munthali, Raymond Auerbach and Mebelo Mataa</i>	
17 The Rapid Incineration Field Test as an Accurate, Cost-effective and Practical Tool for Estimating Soil Carbon in Africa	217
<i>Albert Ackhurst, Raymond Auerbach and Josua Louw</i>	
18 The Nelson Mandela Long-term Comparative Organic Farming Systems Research Trials: Baseline Study and Trial Design	233
<i>Raymond Auerbach, N'wa-Jama Mashele and Catherine Eckert</i>	
19 Comparative Water Use Efficiency and Water Retention in the Mandela Trials	250
<i>Catherine Eckert, Raymond Auerbach and Simon Lorentz</i>	

20	Biological and Chemical Soil Fumigation and Pest and Disease Management Comparisons in the Western Cape	264
	<i>Abraham van Niekerk, Raymond Auerbach and Sandra Lamprecht</i>	
21	Initial Assessment of Selected Biological Soil Health Indicators in Organic Versus Conventional Cropping Systems in Field Trials in South Africa	284
	<i>Mandla Sibiya, Johan Habig, Sheila Storey and Nico Labuschagne</i>	
22	Soil Fertility Changes and Crop Yields from the First 4 Years of the Mandela Trials	303
	<i>Marike Swanepoel, Raymond Auerbach and N'wa-Jama Mashele</i>	
Part 4	Upscaling the Organic Sector in Africa	325
23	Urban Agriculture: Challenges and Opportunities in Urban Water Management and Planning	327
	<i>Maren Wesselow, Christina Kifunda, Raymond Auerbach and Bernd Siebenhüner</i>	
24	A Future Strategy for Organic Development in Southern Africa	337
	<i>Raymond Auerbach, Matthew Purkis (and SAOSO Steering Committee)</i>	
Index		357