

Contents

1	Global Trends in Organic Agriculture.	1
	Dilip Nandwani and Sochinwechi Nwosisi	
2	Organic Strawberry Production in Tennessee, USA, and Areas of Comparable Climate in China	37
	Suping Zhou, Sarabjit Bhatti, Shu Wei and Fur-Chi Chen	
3	Role of Plant Growth-Promoting Rhizobacteria (PGPR) as BioFertilizers in Stabilizing Agricultural Ecosystems	71
	Peiman Zandi and Saikat Kumar Basu	
4	Safety, Nutrition, and Health Aspects of Organic Food	89
	Ying Wu, Li Wang and Ankit Patras	
5	Plant-Parasitic Nematode Problems in Organic Agriculture	107
	Shabeg S. Briar, David Wichman and Gadi V.P. Reddy	
6	Breeding for Organic and Sustainable Production	123
	George E. Boyhan and Suzanne P. Stone	
7	Organic Agriculture: A Viable Option for Food Security and Livelihood Sustainability in Nepal	137
	Khem Raj Dahal, Krishna Prasad Sharma, Dila Ram Bhandari, Basu Dev Regmi and Dilip Nandwani	
8	The Potential of Silvopastoral Systems for Milk and Meat Organic Production in the Tropics	169
	F.J. Solorio, S.K. Basu, L. Sarabia, A. Ayala, L. Ramírez, C. Aguilar, J.A. Eroles, J.C. Ku and J. Wright	
9	Role of Legumes for and as Horticultural Crops in Sustainable Agriculture	185
	Matthew W. Blair, Xingbo Wu, Devendra Bhandari, Xiaoyan Zhang and Junjie Hao	

10 Principles of Vermitechnology in Sustainable Organic Farming with Special Reference to Bangladesh	213
A.A. Ansari, S. Jaikishun, M.A. Islam, S.K. Kuri, K. Fiedler and D. Nandwani	
11 Composting, Crop Rotation, and Cover Crop Practices in Organic Vegetable Production	231
Ajay Nair and Kathleen Delate	
12 Effective Micro-organisms (EM) as Sustainable Components in Organic Farming: Principles, Applications and Validity	259
Rasheed B. Balogun, Justin U. Ogbu, Ephraim C. Umeokechukwu and Risqat B. Kalejaiye-Matti	
13 Season Extension in Organic Systems	293
W.B. Evans	
14 Consumer Perception of Organic Food and Product Marketing	315
Prabodh Illukpitiya and Pramatma Khanal	
15 Sustainable Urban Agriculture: A Growing Solution to Urban Food Deserts	325
Sarada Krishnan, Dilip Nandwani, George Smith and Vanaja Kankarta	
Index	341

Organic Farming for Sustainable Agriculture

Nandwani, D. (Ed.)

2016, XVIII, 344 p. 47 illus., 4 illus. in color., Hardcover

ISBN: 978-3-319-26801-9