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Nota di contenuto	Ecological Intensification through Nutrients Recycling and Composting in Organic Farming / Francesco G. Ceglie, Hamada M. Abdelrahman -- Intensification of Aerobic Processing of the Organic Wastes into Compost / A. N. Ivankin, Urja Pandya, Meenu Saraf -- Lignocellulose Biodegradation in Composting / Martin A. Hubbe -- Bio-composting of Aquatic Biomass Residue and its Amendments in Soil Reclamation / Dinesh Kumar Maheshwari, Mohit Agarwal -- Physical, Chemical and Biological Parameters for Compost Maturity Assessment: A Review / Rajinder Singh Antil, Dev Raj, Nuha Abdalla, Kazuyuki Inubushi -- Thermophilic Bacilli and their Enzymes in Composting / Abhishek Bhattacharya, Brett I. Pletschke -- Agronomic, Soil Quality and Environmental Consequences of Using Compost in Vegetable Production / Simon M. Eldridge, K. Yin Chan, Nerida J. Donovan -- Principles of Compost-based Plant Diseases Control and Innovative New Developments / Catello Pane, Massimo Zaccardelli -- Integrating Compost Teas in the Management of Fruit and Foliar Diseases for Sustainable Crop Yield and Quality / Katherine J. Evans, Alice K. Percy -- Microbial Biomass Improvement Following Municipal Solid Waste

Compost Application in Agricultural Soil / Olfa Bouzaiane, Naceur Jedidi, Abdennaceur Hassen -- Bio-composting Oil Palm Waste for Improvement of Soil Fertility / A. W. Gandahi, M. M. Hanafi -- Decomposition of Organic Materials into High Value Compost for Sustainable Crop Productivity / Dinesh Kumar Maheshwari, Shrivardhan Dheeman, Mohit Agarwal -- Compost: A Tool to Sustainable Urban and Peri-Urban Agriculture in Sub-Saharan Africa? / Blaise Pascal Bougnom, Onana Boyomo, Dieudonné Nwaga, Jean Justin Essia Ngang, François Xavier Etoa -- Index.

Sommario/riassunto

Excessive use of agrochemicals such as fertilizers and pesticides have some substantial benefits in enhancing crop productivity but may lead to environmental and ecological damages. Compost, the organic by-products of farming and allied industries which derive from animals and other sources is considered as the source of immense practical value for raising crops. It aids agricultural sustainability by means of various processes such as green manuring, mulching etc. Significance of compost for sustainable agriculture and the role of beneficial micro-organisms in composting processes is depicted in this volume entitled "Composting for Sustainable Agriculture".
