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Titolo	Organic farming : the ecological system / / Charles Francis, editor
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Altri autori (Persone)	FrancisCharles A. <1940->
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Lingua di pubblicazione	Inglese
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2. Record Nr.	UNINA9910373944703321
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Disciplina	580.724
Soggetti	Botany Forestry Botanical chemistry Biotic communities Plant genetics Plant physiology Plant Science Plant Biochemistry Ecosystems Plant Genetics Plant Physiology

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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	<p>1. Nitrogen and Sulfur Metabolism in Microalgae and Plants: 50 Years of Research -- 2. Progress Toward Deep Sequencing-Based Discovery of Stress-Related MicroRNA in Plants and Available Bioinformatics Tools -- 3. Recent Advances in MS-Based Plant Proteomics: Proteomics Data Validation Through Integration with Other Classic and -Omics Approaches -- 4. Membrane Trafficking and Plant Signaling -- 5. Molecular Aspects of Iron Nutrition in Plants -- 6. Urea in Plants: Metabolic Aspects and Ecological Implications -- 7. Biosynthesis and Regulation of Secondary Cell Wall -- 8. Stress-Induced Microspore Embryogenesis in Crop Plants: Cell Totipotency Acquisition and Embryo Development -- 9. Potential of Microalgae Biomass for the Sustainable Production of Bio-commodities -- 10. Crassulacean Acid Metabolism and Its Role in Plant Acclimatization to Abiotic Stresses and Defence Against Pathogens -- 11. The Role of the Shikimate and the Phenylpropanoid Pathways in Root-Knot Nematode Infection.-12. Functional Diversity of Photosynthesis, Plant-Species Diversity, and Habitat Diversity -- 13. When the Tree Let Us See the Forest: Systems Biology and Natural Variation Studies in Forest Species -- 14. The Ecological Importance of Winter in Temperate, Boreal, and Arctic Ecosystems in Times of Climate.</p>
Sommario/riassunto	<p>With one volume each year, this series keeps scientists and advanced students informed of the latest developments and results in all areas of the plant sciences. The present volume includes reviews on plant physiology, biochemistry, genetics and genomics, forests, and ecosystems.</p>