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ISBN	981-13-8840-7
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Descrizione fisica	1 online resource (XVI, 547 p. 13 illus., 10 illus. in color.)
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Soggetti	Agriculture Metabolism Botanical chemistry Plant physiology Metabolomics Plant Biochemistry Plant Physiology Agricultura sostenible Biologia molecular vegetal Llibres electrònics
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Nota di contenuto	Chapter 1. Plant Biotechnology: Tool for sustainable agriculture -- Chapter 2. Plant metabolomics: Sustainable approach towards crop productivity -- Chapter 3. Rhizosphere engineering and agricultural productivity -- Chapter 4. Plant Genetic engineering and GM crops: Merits and Demerits -- Chapter 5. Stress Management: Sustainable approach towards resilient agriculture -- Chapter 6.Soil Health and Food security -- Chapter 7. Nanotechnology and sustainable agriculture -- Chapter 8. Bioenergy: Plants and products -- Chapter 9. Sustainable agriculture: Future of Plant Biotechnology -- Chapter 10. Advancement in sustainable agriculture: Computational and Bioinformatics tools.
Sommario/riassunto	This book will be of immense helpful to the students of plant biotechnology, Agricultural sciences, Microbiology of both

undergraduate and postgraduate levels in universities, colleges, and Research institutes. Besides the book will be quite supportive researchers who work in the field of plant biotechnology and agricultural sciences. In this book, the main focus will be on advanced genome editing approaches for the production of GM crops besides their socioeconomic, ethical and risk-biosafety assessments. Nanotechnology is the new emerging and fascinating field of science finds its application in almost all the major research areas and its uses in agriculture and food sectors are incipient.The books seems to be first in summarizing the two way interactive approach in the field of plant biotechnology and setting of a new arena in shaping the new bio techniques towards the sustainable cause.