

1. Record Nr.	UNINA990001183490403321
Autore	Mayorhofer, Karl
Titolo	Inhaltund mass / by MAYORHOFER K.
Pubbl/distr/stampa	Wien : Springer-Verlag, 1952
Localione	MA1
Collocazione	7-F-27
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910253908103321
Titolo	Plant Biotechnology: Recent Advancements and Developments // edited by Suresh Kumar Gahlawat, Raj Kumar Salar, Priyanka Siwach, Joginder Singh Duhan, Suresh Kumar, Pawan Kaur
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2017
ISBN	981-10-4732-4
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (X, 390 p. 36 illus., 17 illus. in color.)
Disciplina	631.52 660.6
Soggetti	Plant breeding Plant physiology Plant biochemistry Plant Breeding/Biotechnology Plant Physiology Plant Biochemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Chapter 1. Advances in Computational Tools for Plant microRNA Identification -- Chapter 2. Control of Gene Expression by RNAi: A

Revolution in Functional Genomics -- Chapter 3. Engineering Abiotic Stress Tolerance Traits for Mitigating Climate Change -- Chapter 4. Developing Climate Smart Aerobic Rice Varieties for Addressing the Problems of Water Scarcity and Global Warming -- Chapter 5. Biotechnological Aspects for Enhancement of Mineral Bioavailability from Cereals and Legumes -- Chapter 6. Recent Biotechnological Approaches to Study Taxonomy of Legume Nodule Forming Rhizobia -- Chapter 7. Applications of Trichoderma Species for Environment and Food Security -- Chapter 8. Fermentation in Cereals: A Tool to Enhance Bioactive Compounds -- Chapter 9. Molecular Structure, Biological Functions and Metabolic Regulation of Flavonoids -- Chapter 10. Enzymatic Approaches for the Synthesis of High Fructose Syrup -- Chapter 11. Starch Nanoparticles and Their Applications -- Chapter 12. Recent Updates on Molecular Biotechnological Intervention in Isabgol -- Chapter 13. Flavonoids: A Nutraceutical and Its Role as Anti-inflammatory and Anti-cancer Agent -- Chapter 14. Recent Advances in Biodegradable Films, Coatings and their Applications -- Chapter 15. Bioplastics: A Sustainable Approach Towards Healthier Environment -- Chapter 16. Biotechnological Strategies for Remediation of Toxic Metal (loid)s from Environment -- Chapter 17. Genetic Engineering of Poplar: Current Achievements and Future Goals.

Sommario/riassunto

This book presents an overview of the latest advances and developments in plant biotechnology. The respective chapters explore emerging areas of plant biotechnology such as RNAi technology, fermentation technology, genetic engineering, nanoparticles and their applications, climate resilient crops, bio-films, bio-plastic, bio-remediation, flavonoids, antioxidants etc. All chapters were written by respected experts and address the latest developments in plant biotechnology that are of industrial importance, especially with regard to crop yields and post-harvest strategies. As such, the book offers a valuable guide for students, educators and researchers in all disciplines of the life sciences, agricultural sciences, medicine, and biotechnology at universities, research institutions and biotechnology companies.
