

1. Record Nr.	UNINA990005045090403321
Autore	Gascoyne, David
Titolo	Thomas Carlyle / by David Gascoyne
Pubbl/distr/stampa	London : Longmans : Green, 1952
Descrizione fisica	44 p., [1] c. di tav. ; 22 cm
Collana	Supplement to British Book News ; 23
Locazione	FLFBC DECSE
Collocazione	ALPHA 4783 SE 014.04.011-
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA990009898540403321
Autore	Ghezzi, Federico <1963- >
Titolo	Diritto antitrust / Federico Ghezzi, Gustavo Olivieri
Pubbl/distr/stampa	Torino : Giappichelli, ©2013
ISBN	978-88-348-8872-8
Descrizione fisica	XIV, 409 p. ; 23 cm
Altri autori (Persone)	Olivieri, Gustavo <1958- >
Disciplina	343.240721
Locazione	DDCP
Collocazione	12 C 310
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr.	UNINA9910298456103321
<b>Titolo</b>	Plant Biology and Biotechnology [[electronic resource]] : Volume II: Plant Genomics and Biotechnology / / edited by Bir Bahadur, Manchikatla Venkat Rajam, Leela Sahijram, K. V. Krishnamurthy
<b>Pubbl/distr/stampa</b>	New Delhi : , : Springer India : , : Imprint : Springer, , 2015
<b>ISBN</b>	81-322-2283-0
<b>Edizione</b>	[1st ed. 2015.]
<b>Descrizione fisica</b>	1 online resource (780 p.)
<b>Disciplina</b>	570 571.2 571.8 581.35 591.35 631.52 660.6
<b>Soggetti</b>	Plant genetics Plant breeding Developmental biology Plant physiology Transgenic organisms Plant Genetics and Genomics Plant Breeding/Biotechnology Developmental Biology Plant Physiology Transgenics
<b>Lingua di pubblicazione</b>	Inglese
<b>Formato</b>	Materiale a stampa
<b>Livello bibliografico</b>	Monografia
<b>Note generali</b>	Description based upon print version of record.
<b>Nota di bibliografia</b>	Includes bibliographical references and index.
<b>Nota di contenuto</b>	1. <i>Arabidopsis thaliana</i> : A Model for Plant Research -- 2. Microalgae in Biotechnological Application: A Commercial Approach -- 3. Application of Biotechnology and Bioinformatics Tools in Plant-Fungal Interactions -- 4. Genetic Markers, Trait Mapping and Marker-Assisted Selection in Plant Breeding -- 5. Doubled Haploid Platform - An Accelerated

Breeding Approach for Crop Improvement -- 6. Plant Molecular Biology Applications in Horticulture: An Overview -- 7. A History of Genomic Structures: The Big Picture -- 8. Organellar Genomes of Flowering Plants -- 9. DNA Fingerprinting Techniques for Plant Identification -- 10. Functional Genomics -- 11. Translating the Genome for Translational Research: Proteomics in Agriculture -- 12. Epigenetic Mechanisms in Plants: An Overview -- 13. Bioinformatics: Application to Genomics -- 14. Systems Biology: A New Frontier in Science -- 15. Somatic Embryogenesis -- 16. Micropropagation of Plants -- 17. Efficacy of Biotechnological Approaches to Raise Wide Sexual Hybrids -- 18. Hybrid Embryo Rescue in Crop Improvement -- 19. Applications of Triploids in Agriculture -- 20. Improving Secondary Metabolite Production in Plant Tissue Cultures -- 21. Somaclonal Variation in Micropropagated Crops -- 22. In vitro Conservation of Plant Germplasm -- 23. Gene Banking for ex situ Conservation of Plant Genetic Resources -- 24. Conservation and Management of Endemic and Threatened Plant Species in India- An Overview -- 25. Biotechnological Approaches in Improvement of Spices – A Review -- 26. Metabolic Engineering in Plants -- 27. Genetically Modified Crops -- 28. Engineering of Plants for the Production of Commercially Important Products: Approaches and Accomplishments -- 29. Genetic Engineering Strategies for Abiotic Stress Tolerance in Plants -- 30. Genetic Engineering Strategies for Biotic Stress Tolerance in Plants -- 31. RNAi for Crop Improvement -- 32. Plant Micro RNAs: Biogenesis, Functions and Applications -- 33. Environmental Biotechnology: A Quest for Sustainable Solutions -- 34. Phytoremediation: General Account and Its Application -- 35. Marine Biotechnology: Potentials of Marine Microbes and Algae with Reference to Pharmacological and Commercial Values -- 36. Desert Plant Biotechnology: Jojoba, Date Palm and Acacia Species -- 37. Rural Biotechnology in Transforming Agriculture and Rural Livelihood.

#### Sommario/riassunto

Plant genomics and biotechnology have recently made enormous strides, and hold the potential to benefit agriculture, the environment and various other dimensions of the human endeavor. It is no exaggeration to claim that the twenty-first century belongs to biotechnology. Knowledge generation in this field is growing at a frenetic pace, and keeping abreast of the latest advances and calls on us to double our efforts. Volume II of this two-part series addresses cutting-edge aspects of plant genomics and biotechnology. It includes 37 chapters contributed by over 70 researchers, each of which is an expert in his/her own field of research. Biotechnology has helped to solve many conundrums of plant life that had long remained a mystery to mankind. This volume opens with an exhaustive chapter on the role played by thale cress, *Arabidopsis thaliana*, which is believed to be the *Drosophila* of the plant kingdom and an invaluable model plant for understanding basic concepts in plant biology. This is followed by chapters on bioremediation, biofuels and biofertilizers through microalgal manipulation, making it a commercializable prospect; discerning finer details of biotic stress with plant-fungal interactions; and the dynamics of abiotic and biotic stresses, which also figure elsewhere in the book. Breeding crop plants for desirable traits has long been an endeavor of biotechnologists. The significance of molecular markers, marker assisted selection and techniques are covered in a dedicated chapter, as are comprehensive reviews on plant molecular biology, DNA fingerprinting techniques, genomic structure and functional genomics. A chapter dedicated to organellar genomes provides extensive information on this important aspect. Elsewhere in the book, the newly emerging area of epigenetics is presented as seen

through the lens of biotechnology, showcasing the pivotal role of DNA methylation in effecting permanent and transient changes to the genome. Exclusive chapters deal with bioinformatics and systems biology. Handy tools for practical applications such as somatic embryogenesis and micropropagation are included to provide frontline information to entrepreneurs, as is a chapter on somaclonal variation. Overcoming barriers to sexual incompatibility has also long been a focus of biotechnology, and is addressed in chapters on wide hybridization and hybrid embryo rescue. Another area of accomplishing triploids through endosperm culture is included as a non-conventional breeding strategy. Secondary metabolite production through tissue cultures, which is of importance to industrial scientists, is also covered. Worldwide exchange of plant genetic material is currently an essential topic, as is conserving natural resources *in situ*. Chapters on in vitro conservation of extant, threatened and other valuable germplasms, gene banking and related issues are included, along with an extensive account of the biotechnology of spices – the low-volume, high-value crops. Metabolic engineering is another emerging field that provides commercial opportunities. As is well known, there is widespread concern over genetically modified crops among the public. GM crops are covered, as are genetic engineering strategies for combating biotic and abiotic stresses where no other solutions are in sight. RNAi- and micro RNA- based strategies for crop improvement have proved to offer novel alternatives to the existing non-conventional techniques, and detailed information on these aspects is also included. The book's last five chapters are devoted to presenting the various aspects of environmental, marine, desert and rural biotechnology. The state-of-the-art coverage on a wide range of plant genomics and biotechnology topics will be of great interest to post-graduate students and researchers, including the employees of seed and biotechnology companies, and to instructors in the fields of plant genetics, breeding and biotechnology.

---