

1. Record Nr.	UNINA9910132825603321
Titolo	The Confectioner
Pubbl/distr/stampa	Orlando, FL, : American Pub. Corp., c1989-
Descrizione fisica	1 online resource
Disciplina	338
Soggetti	Confectionery Candy industry Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Title from cover. Published: Dallas, TX, <Sept./Oct. 1991- > Published: Troy, Mich. : BNP Media, -2007.

2. Record Nr.	UNINA9910590064403321
Autore	Koul Bhupendra
Titolo	Cisgenics and Transgenics : Strategies for Sustainable Crop Development and Food Security / / by Bhupendra Koul
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	9789811921193 9789811921186
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (442 pages)
Disciplina	631.5233
Soggetti	Agriculture Biotechnology Plant biotechnology Food science Plant genetics Plant Biotechnology Food Science Plant Genetics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Plant transformation techniques -- Chapter 2. Strategies to enhance the expression of the transgene in plants -- Chapter 3. Cisgenics and crop improvement -- Chapter 4. Transgenics and crop improvement -- Chapter 5. Molecular pharming -- Chapter 6. Future prospects of GM plants.
Sommario/riassunto	This book presents up-to-date information on various vector-less/direct (physical, chemical) and vector-mediated/indirect (Agrobacterium-mediated) plant transformation techniques. It summarizes various strategies that facilitate a gene from lower organism to be expressed in higher plants and also in silico designing of synthetic gene for higher expression. It also highlights the importance of strong promoters to drive the expression of transgene (s). This book encompasses the advantages and drawbacks of cisgenesis and transgenesis, their implications towards sustainable crop improvement, and their future prospects. The importance,

limitations, challenges, recent developments, and future prospects of molecular pharming is also discussed. The book concludes with a chapter that summarizes the major contribution of GM-crops towards global food security and economy, advances in genome editing for crop improvement, challenges and risk associated with the release of GM-crops, and the future of GM technology. This book is meant for students and researchers in the field of life sciences, food science, and agriculture. .

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