

1.	Record Nr.	UNISA990001992840203316
	Autore	ATERO BURGOS, Virtudes
	Titolo	Manual de encuesta del romancero de Andalucía : (catálogo-índice) / Virtudes Atero Burgos
	Pubbl/distr/stampa	[Cádiz] : Universidad de Cádiz, Servicio de Publicaciones, 2003
	ISBN	84-7786-826-3
	Descrizione fisica	174 p. ; 24 cm.
	Disciplina	868
	Soggetti	Romanzi - Andalusia - Cataloghi
	Collocazione	VI.5.B. 391 (II sp C 411)
	Lingua di pubblicazione	Spagnolo
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNICAMPANIASUN0045370
	Autore	Bianchi, Francesco S.
	Titolo	5.1: Della parentela, dell'affinità e del matrimonio : spiegazione dei titoli 4 . e 5 . del libro 1. / dell'avv. Francesco Saverio Bianchi
	Pubbl/distr/stampa	1893
	Edizione	[2. ed. ampliata]
	Descrizione fisica	850 p
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia

3. Record Nr.	UNINA9910736979503321
Autore	Raina Aamir
Titolo	Advanced Crop Improvement, Volume 1 : Theory and Practice // edited by Aamir Raina, Mohammad Rafiq Wani, Rafiul Amin Laskar, Nasya Tomlekova, Samiullah Khan
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-28146-2
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (546 pages)
Altri autori (Persone)	WaniMohammad Rafiq LaskarRafiul Amin TomlekovaNasya KhanSamiullah
Disciplina	631.523
Soggetti	Plant biotechnology Plant genetics Plant molecular biology Agriculture Genetics Plant Biotechnology Plant Genetics Plant Molecular Biology Genetics and Genomics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Plant Breeding from Classical Genetics to Molecular Approaches for Food and Nutrition Security -- Nanotechnology in Agriculture -- Contribution and Impact of Mutant Varieties on Food Security -- Mutation Breeding: Protocol and Role in crop improvement -- Transgenic Techniques for Plant Improvement: A brief Overview -- Mutagenesis and Transgenesis in Plant Breeding -- Crop Biofortification: Plant Breeding and Biotechnological Interventions to Combat Malnutrition -- In Vitro Techniques in Plant Breeding -- Crop improvement for sustainable food and nutritional security: Applications

of mutagenesis and in vitro techniques -- Forward and Reverse Genetics in Crop Breeding -- Genetic mutations and molecular detection techniques in plant breeding -- RNA interference (RNAi) technology: an effective tool in plant breeding -- Doubled Haploid Production- Mechanism and Utilization in Plant Breeding -- TILLING and Eco-Tilling: Concept, Progress and its role in crop improvement -- Genome-Wide Association Study: A Powerful Approach to Map QTLs in Crop Plants -- Genome Editing - Mechanism and Utilization in Plant Breeding -- CRISPR/CAS: The Beginning of a New Era in Crop Improvement -- Next Generation Sequencing in Plant Breeding: Challenges and Possibilities.

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## Sommario/riassunto

As per the reports of FAO, the human population will rise to 9 billion by the end of 2050 and 70% of more food must be produced over the next three decades to feed the additional population. The breeding approaches for crop improvement programs are dependent on the availability and accessibility of genetic variation, either spontaneous or induced by the mutagens. Plant breeders, agronomists, and geneticists are under constant pressure to expand food production by employing innovative breeding strategies to enhance yield, adaptability, nutrition, resistance to biotic and abiotic stresses. In conventional breeding approaches, introgression of genes in crop varieties is laborious and time-consuming. Nowadays, new innovative plant breeding techniques such as molecular breeding and plant biotechnology, supplement the traditional breeding approaches to achieve the desired goals of enhanced food production. With the advent of recent molecular tools like genomics, transgenics, molecular marker-assisted back-crossing, TILLING, Eco-TILLING, gene editing, CRISPR CAS, non-targeted protein abundant comparative proteomics, genome wide association studies have made possible mapping of important QTLs, insertion of transgenes, reduction of linkage drags, and manipulation of genome. In general, conventional and modern plant breeding approaches would be strategically ideal for developing new elite crop varieties to meet the feeding requirement of the increasing world population. This book highlights the latest progress in the field of plant breeding, and their applicability in crop improvement. The basic concept of this 2-volume work is to assess the use of modern breeding strategies in supplementing conventional breeding toward the development of elite crop varieties, for obtaining desired goals of food production.

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