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Titolo	The opioid threat in the Chicago Field Division
Pubbl/distr/stampa	[Arlington, Va.] : , : Drug Enforcement Administration, , 2017
Descrizione fisica	1 online resource (17 pages, 1 unnumbered pages) : color illustrations
Collana	DEA intelligence report ; ; DEA-CHI-DIR-023-17
Soggetti	Opioids Opioid abuse - Middle West Heroin - Middle West Heroin abuse - Middle West Drug abuse - Middle West Drug dealers - Middle West
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Formato	Materiale a stampa
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Titolo	Advances in Plant Breeding Strategies: Vegetable Crops : Volume 10: Leaves, Flowerheads, Green Pods, Mushrooms and Truffles / / edited by Jameel M. Al-Khayri, S. Mohan Jain, Dennis V. Johnson
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-66969-6
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (545 pages)
Collana	Biomedical and Life Sciences Series
Disciplina	635.0423
Soggetti	Agriculture Botany Plant Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Part I: Leaves -- Chapter 1. Advances in Chicory (Cichorium intybus L.) Breeding Strategies (Laila Aldahak, Khaled F. M. Salem, Salih H. F. Al-Salim, and Jameel M. Al-Khayri) -- Chapter 2. Chinese Cabbage (Brassica rapa L. var. pekinensis) Breeding: Application of Molecular Technology (Takumi Okamoto, Xiaochun Wei, Hasan Mehraj, Mohammad Rashed Hossain, Ayasha Akter, Naomi Miyaji, Yoshinobu Takada, Jong-In Park, Ryo Fujimoto, Ill-Sup Nou, and Masao Watanabe) -- Chapter 3. Breeding Advances and Prospects in Rocket Salad (Eruca vesicaria ssp. sativa Mill.) Cultivation (Pasquale Tripodi, Paula Santos Coelho, and Carla Guijarro-Real) -- Chapter 4. Spring Onion (Allium fistulosum L.) Breeding Strategies (Fatimah Kayat, Ahmed Mahmood Ibrahim, and Arifullah Mohammed) -- Chapter 5. Water Spinach (Ipomoea aquatica Forsk.) Breeding (Moumita Gangopadhyay, Anup Kumar Das, Subhendu Bandyopadyay, and Samanwita Das) -- Chapter 6. Watercress (Nasturtium officinale R. Br.) Breeding (MohammadrezaHassandokht, Sajad Jafari, and Raheleh Ebrahimi) -- Part II: Flowerheads and Green Pods -- Chapter 7. Advances in Cauliflower (Brassica oleracea var. botrytis L.) Breeding, with Emphasis on India (Pritam Kalia and Shrawan Singh) -- Chapter 8. Globe Artichoke (Cynara cardunculus var. scolymus L.) Breeding (Fernando

López-Anido and Eugenia Martin) -- Chapter 9. Breeding Strategies of Garden Pea (Pisum sativum L.) (Amal M.E. Abdel Hamid and Khaled F.M. Salem) -- Chapter 10. Genetic Improvement of Yardlong Bean (Vigna unguiculata (L.) Walp. ssp. sesquipedalis (L.) Verdc.) (Pidigam Saidaiah, Thuraga Vishnukiran, Someswar Rao Pandravada, Natarajan Sivaraj, Adimulam Srivani, Amarapalli Geetha, Nimmarajula Srinivas, and Venkateswaran Kamala) -- Part III: Mushrooms -- Chapter 11. Enoki Mushroom (Flammulina velutipes (Curtis) Singer) Breeding (Ved P. Sharma, Anupam Barh, Rakesh Kumar Bairwa, Sudheer K. Annepu, Babita Kumari and Shwet Kamal) -- Chapter 12. Shiitake Mushroom (Lentinula edodes (Berk.) Sing.) Breeding in China (Quanju Xiang, Bilal Adil, Qiang Chen, Yunfu Gu, Xianfu Zeng, and Xinzhu Li) -- Part IV: Truffles -- Chapter 13. Desert Truffles (Terfezia spp.) Breeding (Asunción Morte, Francisco Arenas, José E. Marqués-Gálvez, Alberto Andrino, Ángel L. Guarnizo, Almudena Gutiérrez, Luis Miguel Berná, Manuela Pérez-Gilabert, Antonio Rodríguez, and Alfonso Navarro-Ródenas) -- Chapter 14. Enhancing White Truffle (Tuber magnatum Picco and T. borchii Vittad.) Cultivation through Biotechnology Innovation (Alessandra Zambonelli, Mirco Iotti, Federico Puliga, and Ian R. Hall).

Sommario/riassunto

Plant breeders and geneticists are under constant pressure to sustain and expand food production by using innovative breeding strategies and introducing minor crops, which are well adapted to marginal lands, provide a source of nutrition, and have abiotic and biotic stress tolerance, to feed an ever-increasing human population. The basic concept of this book is to examine the use of innovative methods, augmenting traditional plant breeding, towards the improvement and development of new crop varieties, under the increasingly limiting environmental and cultivation factors, to achieve sustainable agricultural production and enhanced food security. Three volumes of the book series Advances in Plant Breeding Strategies were published in 2015, 2016 and 2018, respectively: Volume 1. Breeding, Biotechnology and Molecular Tools; Volume 2. Agronomic, Abiotic and Biotic Stress Traits and Volume 3. Fruits. In 2019, the following four volumes were published: Volume 4. Nut and Beverage Crops, Volume 5. Cereals, Volume 6. Industrial and Food Crops and Volume 7. Legumes. Recent volumes published in 2021 include: Volume 8. Vegetable Crops: Bulbs, Roots and Tubers, Volume 9. Vegetable Crops: Fruits and Young Shoots and Volume 10. Vegetable Crops: Leaves, Flowerheads, Green Pods, Mushrooms and Truffles. This Volume 10, subtitled Vegetable Crops: Leaves, Flowerheads, Green Pods, Mushrooms and Truffles, consists of 14 chapters focusing on advances in breeding strategies using both traditional and modern approaches for the improvement of individual vegetable crops. Chapters are arranged in 4 parts according to the edible vegetable parts. Part I: Leaves - Chicory, Chinese cabbage, Rocket salad, Spring onion, Water spinach and Watercress; Pat II: Flowerheads and Green Pods - Cauliflower, Globe artichoke, Garden pea and Yardlong bean; Part III: Mushrooms - Enoki mushroom and Shiitake mushroom; Part IV: Truffles - Desert truffles and White truffle. Each chapter comprehensively reviews the contemporary literature on the subject and reflects the experiences of the authors. Chapters are written by internationally-reputable scientists and subjected to a review process to assure quality presentation and scientific accuracy. Each chapter begins with an introduction covering related backgrounds and provides in-depth discussion of the subject supported with high-quality color photos, illustrations and relevant data. The chapter concludes with recommendations for future research directions, a comprehensive list of pertinent references to facilitate further reading,

and appendixes of genetic resources and concerned research institutes. This book series is a valuable resource for advanced students, researchers, scientists, commercial producers and seed companies as well as consultants and policymakers interested in agriculture, particularly in modern breeding technologies.