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Titolo	Current perspectives in banking : operations, management and regulation / edited by T. M. Havrilesky, J. T. Boorman
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Autore	Al-Khayri Jameel M
Titolo	Plant Molecular Breeding in Genomics Era : Applications / / edited by Jameel M. Al-Khayri, Krishnananda Pralhad Ingle, Shri Mohan Jain, Suprasanna Penna
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Altri autori (Persone)	IngleKrishnananda Pralhad JainS. Mohan PennaSuprasanna
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Nota di contenuto	<p>1. Molecular breeding and omics approaches for food quality and functional food -- 2. Genomics assisted breeding for improving disease and pest resistance in crop plants -- 3. Molecular breeding for improving plant resilience to climate change -- 4. Speed breeding -- 5. Transcriptome-based prediction breeding -- 6. Genomic selection in plant breeding -- 7. MutMap technique: A streamlined approach for identification of candidate genes -- 8. Genetic transformation for developing improved plant varieties -- 9. RNAi technology utilization in plant breeding -- 10. Delivery systems for genome editing technology -- 11. Genome editing technologies in plant improvement.</p>
Sommario/riassunto	<p>Over the years, the interventions of genomics tools have paved the way for molecular breeding to meet the challenges of food security and climate resilience. Advances in plant molecular breeding encompassing approaches of genomics, molecular markers, genetic transformation and genome editing have revolutionized crop improvement. Successful application of these tools has led to improvement of a wide range of traits of agronomic relevance. This book provides a comprehensive coverage of successful applications of molecular approaches that can be integrated within plant breeding programs aimed at improvement of crop plants. The book covers all relevant areas of molecular breeding applications in plants, with many examples drawn from the advanced genomics and molecular breeding research. Chapters present a critical appraisal of the current literature in the respective fields of molecular breeding written by expert authors. Each chapter provides in-depth discussion of the subject supported with high-quality color illustrations relevant data and future research perspective and, a comprehensive list of pertinent references.</p>