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Autore	Al-Khayri Jameel M
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Sommario/riassunto	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.