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Rediscovery of Genetic and Genomic Resources for Future Food Security

- Demonstrates the importance of Plant Genetics and Genomic Resources for food security
- Elucidates the combined role of breeding and biotechnology for food security
- Outlines the efficient utilization of genomic resources in crop improvement with precision breeding

This book describes how the latest genomic resources techniques can be efficiently used in plant breeding programmes to achieve food security in the future. It also shares insights on how to utilize the untapped and unexplored genetic diversity of wild species, wild relatives and landraces for crop improvement. Moreover, the book offers an impressive array of balanced analyses, fresh ideas and perspectives, and thoughtful and realistic proposals regarding the sustainable utilization of plant genetic resources with modern biotechnological techniques. The first book to address the importance of plant genetics and genomic resources for food security, it brings together a group of plant breeders and biotechnologists to investigate the use of genomic resources techniques in plant breeding programmes. Providing essential information on the efficient utilization of genomic resources in precision breeding, it offers a valuable asset for undergraduate and graduate students, teachers and professionals engaged in related fields.

1st ed. 2020, XXI, 364 p. 18 illus., 16 illus. in color.

Printed book

Hardcover

159,99 € | £139.99 | \$199.99

^[1]171,19 € (D) | 175,99 € (A) | CHF 189,00

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128,39 € | £111.50 | \$149.00

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