



## Omics in Plant Breeding

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Computational and high-throughput methods, such as genomics, proteomics, and transcriptomics, known collectively as “-omics,” have been used to study plant biology for well over a decade now. As these technologies mature, plant and crop scientists have started using these methods to improve crop varieties. *Omics in Plant Breeding* provides a timely introduction to key omicsbased methods and their application in plant breeding.

*Omics in Plant Breeding* is a practical and accessible overview of specific omics-based methods ranging from metabolomics to phenomics. Covering a single methodology within each chapter, this book provides thorough coverage that ensures a strong understanding of each methodology both in its application to, and improvement of, plant breeding.

Accessible to advanced students, researchers, and professionals, *Omics in Plant Breeding* will be an essential entry point into this innovative and exciting field.

- A valuable overview of high-throughput, genomics-based technologies and their applications to plant breeding
- Each chapter explores a single methodology, allowing for detailed and thorough coverage
- Coverage ranges from well-established methodologies, such as genomics and proteomics, to emerging technologies, including phenomics and physiomics

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