



Molecular Markers in Plants

The use of molecular technologies has increased rapidly in recent years in the study, improvement, and conservation of plants and crops. Molecular analysis has unlocked many secrets of plant development and the applications of these new findings holds great promise for meeting the food, fuel, and conservation needs of future generations. *Molecular Markers in Plants* reviews past technologies and techniques as well as explores the future potential these advances will have on the plant and crop science communities.

Molecular Markers in Plants opens with foundational chapters that review the development and evolution of molecular breakthroughs in early marker technologies through to whole-genome and transcriptome sequencing. The focus then shifts to application of these technologies with chapters looking at the application of molecular markers in plant improvement, conservation, and biosecurity efforts. The final chapter looks forward to future prospects for the use of molecular markers in plants.

Providing a timely synthesis of key advances in this dynamic field, *Molecular Markers in Plants* brings together the work of a globally renowned team of researchers. This indispensable volume will be an essential resource for anyone working in the molecular crop and plant sciences.

EDITOR

Robert J. Henry is Professor of Innovation in Agriculture at the University of Queensland and Director of the Queensland Alliance for Agriculture and Food Innovation.

RELATED TITLES

Plant Gene Containment

Edited by Melvin J. Oliver and Yi Li

ISBN: 978-0-8138-0349-4

Plant Transformation Technologies

Edited by: C. Neal Stewart, Jr., Alisher Touraev, Vitaly Citovsky, and Tzvi Tzfira

ISBN: 978-0-8138-2195-5

 **WILEY-BLACKWELL**
www.wiley.com/wiley-blackwell



Also available
as an e-book

ISBN 978-0-4709-5951-0



9 780470 959510