

About the Book

Plant genomics, the leading discipline in plant sciences, facilitates the precise depictions of genes and genomes and promotes effective utilization of the genomics resources for breeding elite plant varieties catering to the needs of agriculture, health and environment. Plant genomics is taught, practiced and followed in academia, the private sector and in policy making agencies all over the world. The three volumes of this series on *Genome Mapping*, *Molecular Breeding* and *Advanced Genomics* containing 41 chapters contributed by over hundred globally reputed scientists, provide lucid deliberations on the concepts, strategies, tools, methodologies and achievements of plant genomics presented in a typical class-room approach. The information disseminated in this work is multi-disciplinary in nature and useful for students and scientists of many disciplines particularly genetics, breeding, biochemistry, microbiology, biotechnology, bioinformatics, genetic engineering, agronomy, horticulture, forestry, physiology, food and nutrition, bacteriology, mycology, virology, entomology, nematology, environment and ecology, to name a few.

About the Editors

Prof. Chittaranjan Kole is internationally renowned for his pioneering contributions in teaching and research for over two decades on plant genetics, genomics, breeding and biotechnology. Besides publishing over hundred quality research articles, he has edited 22 book volumes and is currently editing 30 reference and text books useful for students, scientists and industries. Scientific contributions, editing expertise and human qualities of Prof. Kole have been generously appreciated by several reputed scientists of the world including many Nobel Laureates, Drs. Arthur Kornberg, Norman Borlaug, Werner Arber, Phillip Sharp, Gunter Blobel and Lee Hartwell.

Prof. Albert G. Abbott is a globally renowned scientist for his pioneering contributions in the broad fields of plant and animal sciences including genetics, breeding, genomics and biotechnology. He has over 30 years of teaching and research experience and authored 85 quality research articles and elegant reviews. He is in the panels of editors and reviewers for several international journals. His leadership and philosophy have led to the whole-genome sequence of peach, a model in tree fruit crops in Rosaceae, a diverse and economically important family. He occupies the Robert and Lois Coker Trustees Chair in Molecular Genetics at Clemson University.

