

ABOUT THE SERIES

Basic and advanced concepts, strategies, tools and achievements of genetics, genomics and breeding of 30 major crop plants have been comprehensively deliberated in each volume dedicated to an individual crop or crop group. The series editor and one of the editors of this volume, Prof. Chittaranjan Kole, is globally renowned for his pioneering contributions in teaching and research for two-and-half decades on plant genetics, genomics, breeding and biotechnology. His works and edited books have been appreciated by several internationally reputed scientists including six Nobel laureates for the impact of his publications on science and society.

ABOUT THE VOLUME

Conifers represent 650 species, some ranking as the largest, tallest, and longest living non-clonal terrestrial organisms on Earth. They are a source of raw materials for different uses and also provide important environmental services (carbon sequestration, energy production, water cycle, etc.). The genetic improvement of some of these species started about 60 years ago. This book presents the implications of the genomic revolution for conifers, which go all the way from a better understanding of the evolution of these organisms to new knowledge about the molecular basis of quantitative trait variation, both playing important roles in their domestication. Internationally reputed researchers in this field have contributed to this book, reviewing the genetics, genomics and breeding of conifers.

ABOUT THE EDITORS

Christophe Plomion received a Ph.D. in Genetics and Plant Breeding from AgroCampus Ouest, Rennes, France. He is presently deputy head of the "Forest, Grassland and Fresh Water Ecology" division of INRA. He also leads research in forest tree genomics within the "Biodiversity, Genes and Community" INRA research unit in Bordeaux, France. Over the last 15 years, he has published 100 scientific papers in the fields of molecular, population and quantitative genetics of forest trees.

Jean Bousquet is professor and Canada Research Chair in Forest and Environmental Genomics at Laval University in Quebec City. Over the past 23 years, he has published 120 scientific papers in the fields of phylogenetics, population genetics and genomics of forest trees and their symbionts. He is co-director of the spruce genomics project ARBOREA.

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