

Special Issue

Genetic Diversity and Population Structure in Crop and Woody Plants

Message from the Guest Editors

In recent decades, climate change has strongly and directly affected plants and their crops. The rise in temperature in combination with prolonged periods of drought significantly affects crop yields in many parts of the world. This has necessitated the search for more resilient plant varieties that will be able to withstand adverse environmental conditions without compromising the maximum yield. Useful tools for this purpose are the extensive investigations of genetic and epigenetic diversity across a wide range of crop plants and wild relatives, which can provide us with a wealth of important information regarding the future viability of plant species in a changing environment. A combination of genetic and epigenetic inheritance of critical traits may be key to the generation of tolerant/resistant varieties to a series of newly emerging abiotic or biotic stressors in an era of ongoing climate change. The aim of this topic is to publish new cutting-edge articles that combine the genetic structure (based on different molecular methods) and the epigenetic profile of cultivated and woody plants.

Guest Editors

Dr. Evangelia V. Avramidou

Dr. Alikı Kapazoglou

Dr. Ermioni Malliarou

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Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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