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Genetic Diversity and Phylogeography of Plants under Climate Change

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Message from the Guest Editors

Evolutionary adaptation can increase the possibility of the adjustment of a plant's genetic structure, and thus allow species to reduce the climate change adaptation lag. Past distribution patterns are often reflected in current species phylogenies and can be associated with divergent environmental conditions. Previous studies have indicated that severe climate fluctuations since the Quaternary have influenced patterns of genetic diversity. A crucial question is how genetic diversity can be integrated into studies that aim to predict plant species' responses to future climate scenarios. In this direction, it is important to consider the phylogeography of species. Studies on the phylogeny and geographic patterns of genetic diversity can reveal insights into the formation and evolution of plant species in different regions and their relationships with environmental conditions. This Special Issue aims to combine a wide spectrum of studies related to the diversity of plants within a changing climate on a genetic level, combined with their phylogeographic structure.



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Special Issue



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Message from the Editor-in-Chief

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