Special Issue

Genetic Diversity and Phylogeography of Plants under Climate Change

Message from the Guest Editors

Evolutionary adaption 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.

Guest Editors

Dr. Denis Sandanov

Institute of General and Experimental Biology, Siberian Branch, Russian Academy of Sciences, 670047 Ulan-Ude, Russia

Dr. Zhiheng Wang

College of Urban and Environmental Sciences, Peking University, Beijing 100871, China

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

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Diversity (ISSN 1424-2818) is a scholarly journal that covers all areas of diversity research. Our distinguished editorial board and refereeing process ensures the highest degree of scientific rigor for publishing. Original research articles and timely reviews are released online, with unlimited free access.
We invite papers and reviews on multidisciplinary topics of diversity that bridge organismic diversity (systematics, biodiversity, phylogeny, population genetics, and evolution) and molecular diversity (phytochemistry and biophysics).

Editor-in-Chief

Prof. Dr. Michael Wink
Institute of Pharmacy and Molecular Biotechnology, Heidelberg University, Im Neuenheimer Feld 329, D-69120 Heidelberg, Germany

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