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Plant Molecular Evolution and Population Ecology

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Local adaptation and phenotypic plasticity are two mechanisms by which organisms resist environmental stress, especially for plants. Plants developed unique evolutionary and ecological processes facing environmental changes and spatial heterogeneity. Through increasing studies of the model and non-model species, our understanding of science has evolved from the description of phenomena to process, and goes deep into mechanism. The evolution of plants is closely related to growth environment. The population change of a single plant will change the entire community structure and even affect the balance of whole ecosystem. It is not only intersection between space and time, but also the link between ecology and evolution. Studying plant adaptation from a molecular perspective to the environmental scale is essential for understanding why and how a plant grows in specific environment.

This Issue accepts studies on how genetic evolution and population ecological mechanisms face environmental changes or spatial heterogeneity, including molecular evolution to population ecology. We welcome any study using tools of ecology, genetics, genomics, proteomics, metabolomics, and other omics.

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Message from the Editor-in-Chief

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