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Maintenance and Function of Biodiversity in Forests

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Message from the Guest Editors

Dear Colleagues,

As an important component of the terrestrial ecosystem, forests play an irreplaceable role in biodiversity protection and maintenance and provide ecosystem functioning, such as carbon sequestration, nutrient cycle, water conservation, and ecosystem stability. Over the past several decades, however, global forests are undergoing unprecedented pressure from anthropogenic disturbances and climate change, leading to a rapid decline in biodiversity due to fragmentation, deforestation, and degradation.

To improve our understanding of the underlying mechanism of maintenance and function of biodiversity in forests, we have launched this Special Issue to bring together successful case studies, lessons learned, and experiences on, but are not limited to, the following: community assembly, species coexistence, above- and below-ground biotic interactions and their ecological consequences across different trophic levels across varied spatial and temporal scales, the effect of forest biodiversity on ecosystem multifunctionality and/or stability, response of function of biodiversity to environmental change and its mechanisms.



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Special Issue



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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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