



Plant Functional Traits in Forests: Variation and Linkages with Function

Guest Editors:

Dr. Ruili Wang

College of Forestry, Northwest
A&F University, Yangling, China

Dr. Congcong Liu

Institute of Geographical
Sciences and Natural Resources
Research Chinese Academy of
Sciences, Beijing, China

Dr. Ying Li

Key Laboratory of Ecosystem
Network Observation and
Modeling, Institute of Geographic
Sciences and Natural Resources
Research, Chinese Academy of
Sciences, Beijing 100101, China

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Message from the Guest Editors

Plant functional traits refer to the measurable properties of plants after long-term adaptation to the external environment and evolution. Plant external morphology, internal physiology, and ecosystem function, plant functional traits are closely related to plant growth, reproduction, and survival functions. However, our understanding of how plant traits and functions respond to environmental changes on spatial, temporal, and succession scales is still limited. To study of plant ecology, more studies are needed to reveal the relationships between plants and their environment as well as plant, community, and ecosystem functions.

Potential topics:

1. Linkages between plant traits and functioning, whole plant performance, community or ecosystem processes.
2. Relationships between plant traits and community assembly.
3. Plasticity of plants along environmental gradients. Examples include variations in plant traits along spatial and temporal scales.
4. Variation in plant traits and their adaptation mechanism under global climate change.





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Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

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Contact Us

Forests Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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