



Responses of Forest Ecosystems to Climate Change

Guest Editor:

Dr. Jean Philippe Mévy

Mediterranean Institute of
Biodiversity and Marine and
Continental Ecology, Marseille,
France

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Message from the Guest Editor

Different climate change variables, such as the increase in atmospheric CO₂ levels, the resulting rise in temperature, and the drop in precipitation expected in certain regions of the world, have an impact on ecosystems and the benefits they provide. Forests ecosystems are of great importance globally, however, our knowledge of how forest ecosystems will respond to climate change still remains limited.

Accordingly, this Special Issue welcomes original research papers, perspectives, hypotheses, opinions, reviews, modeling approaches, and methods with an emphasis on this topic. We especially welcome research concerning forest productivity, soil microorganisms and fauna, plant–insect interactions, and plant–plant interactions. Other topics of interest include, studies on how ecosystems function from local to regional scales; biodiversity; plant traits; physiology; ecophysiology; biochemistry; plant nutrition and nutrient cycling; abiotic and biotic stressors; as well as transcriptome, proteome, metabolome, and epigenome studies from cellular, sub-cellular, and whole individuals. Field experiments and more controlled experiments are welcome.





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

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