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# Integrated Approaches to Understanding Plant Photosynthesis Dynamics in Forest Ecosystems Under Climate Change

Guest Editor:

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# **Message from the Guest Editor**

In recent decades, climate change has significantly impacted forest ecosystems, including alterations in plant photosynthesis processes. By incorporating findings from canopy-level studies, soil microbial research, experiments. ecosystem-scale can comprehensive models that capture the complex interactions between climate change, forest dynamics, soil microbial communities, and photosynthetic processes. These integrated approaches not only enhance our understanding of forest responses to environmental stress but also inform conservation strategies aimed at preserving the integrity and resilience of forest ecosystems in a rapidly changing world.

We welcome contributions from plant scientists across disciplines, including original research, review/mini-review articles, and opinion pieces, to highlight new applications and the sophisticated roles of plant photosynthesis analysis in understanding and addressing the challenges posed by climate change and stress in forest ecosystems.











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