



Soil Respiration and Carbon Stocks in Tropical Forests

Guest Editor:

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Message from the Guest Editor

Soil respiration is a key component of the terrestrial carbon cycle and yet, because belowground processes are inherently more difficult to analyze, it is one of the less well-characterized components of the carbon cycle. Drivers including temperature, precipitation, and carbon and nutrient pools have been shown to affect both the heterotrophic and autotrophic components of soil respiration. In the tropics, where temperatures are already significantly warmer, less is known about how respiration will respond to warming and changes in the distributions and amount of precipitation.

In this Special Issue, we are hoping to build a collection of work on soil respiration across a variety of tropical ecosystems. We encourage submissions ranging in scale from the plot level to more regional and pan-tropical analyses and covering both experimental and observational approaches. By bringing together a variety of papers on this topic, we hope to inspire collaboration and further discussion on how to improve our understanding of the drivers of soil respiration and potential implications of climate change for both carbon fluxes from soils and carbon pools held with soils in tropical regions.





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