

Carbon Cycling in Terrestrial Ecosystems

Guest Editor:

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Deadline for manuscript
submissions:

closed (25 December 2022)

Message from the Guest Editor

With the continuation of increasing CO₂ emissions, climate change is becoming the main threat to life on Earth, local authorities are developing plans to reduce their emissions. However, the estimation of ecosystem productivity at regional to local levels is still challenging and improvements in understanding carbon sources and sinks at regional to local scales allows authorities to reach their targets and help the global modeling community to improve model performance and predictions.

In this Special Issue on “Carbon Cycling in Terrestrial Ecosystems”, we call for papers involving one or more of the following topical areas:

- Application of global models to analyze ecosystem productivity and net ecosystem exchange at regional to local scales.
- Satellite observations and airborne remote sensing approaches to monitor the response of ecosystems to changes in climate.
- Analyzing trends and anomalies in terrestrial ecosystem productivity, including the impact of disturbance events on vegetation activity.
- New application and developments in plant productivity estimates, vegetation phenology indices, and drought detection and forecast.



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Message from the Editor-in-Chief

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