Special Issue

Impacts of Climate Change and Human Disturbances on Carbon Cycling and Greenhouse Gas Emission in Ecosystems

Message from the Guest Editor

Human activities and greenhouse gas emissions that feedback into climate have been greatly impacted by global climate change. C cycling changes are brought by a combination of a warmer climate and intensified human activities, which are reflected in ecosystem functions and processes. Significant uncertainties exist between them.

This Special Issue focus on developments that have improved carbon cycling, greenhouse gas emissions, and climate-human interactions, and create better adaptations for preserving the stability and function of ecosystems in terms of the mitigation and adaptation to climate change. It aims at but are not limited to: Human-climate interactions;

The effects of urban human activity on the regional climate and ecosystem functions and processes; Carbon and other element cycling, and greenhouse gas emissions;

The reactions of biological and ecological processes to climate change and human disturbances;

The interactions of vegetation and hydrology with climate change and human disturbances;

The responses of biogeochemistry to climate change and human disturbances;

The responses of microbial communities and functions to climate change and human disturbances.

Guest Editor

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Editor-in-Chief

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