



## Wetland Ecosystem under Climate Change

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

Currently, climate change and human activities are deeply influencing the various processes at work in natural ecosystems. As one of the most important terrestrial ecosystems, wetlands function as a key player in mitigating climate change. Although they cover a small percentage of the Earth's surface, wetlands represent the arteries and veins of the landscape and are vital to human life. Wetlands are among the greatest natural carbon stores on our planet and are crucial to agriculture and fisheries. However, wetlands are suffering from the impacts of both the climate change and human activities. Understanding how their natural processes have been affected and their responses to these impacts is important for the current and future protection of wetlands. Therefore, there is an urgent need to obtain a thorough comprehension of the changes and mechanical processes taking place in wetlands so as to take effective measures to combat the dual stress inflicted upon them by nature and human beings.

Prof. Dr. Changchun Song

*Guest Editor*

- climate change
- wetland ecosystem
- carbon and nitrogen cycling
- biological and hydrological processes





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