

## Special Issue

# Recent Advances in Global Climate and Ecology Change

### Message from the Guest Editors

Global environmental change is rapidly altering the dynamics of vegetation, with consequences for the structure, composition, and function of the terrestrial ecosystem. Terrestrial ecosystems and their responses to climate change have been given priority in global change research, owing to their important role in offsetting climate warming and rising atmospheric CO<sub>2</sub> concentration. Climate change is likely to pose unpredictable risks to terrestrial ecosystems, and recent global changes have heightened our need to better understand ecosystem responses to the changing climate and to prepare optimal adaptive strategies. This Special Issue aims to explore recent advances in global climate and ecology change. Original research articles, short communications, review articles, and perspectives in this research field are welcome for submission. The research topics include, but are not limited to:

- Ecosystem carbon cycles;
- Climate change and ecological responses;
- Global change and land use or land cover change;
- Biodiversity and forest disturbances under climate change;
- The impact of global changes on the distribution of species;
- Climate change and terrestrial ecosystems.

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### Guest Editors

Dr. Huiyu Liu

Dr. Xiang-Zhen Qi

Dr. Hai-bo Gong

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### Deadline for manuscript submissions

closed (30 July 2022)



## Sustainability

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### Editor-in-Chief

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