



Impacts of Climate Change on Biodiversity

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Message from the Guest Editors

Climate change is one of the most important environmental challenges of our times. A healthy planet is essential to support life. That includes a rich ensemble of species, from the smallest of bacteria to the largest of forests. A highly biodiverse ecosystem is resilient to shocks, provides for itself and others through various ecosystem services. Biodiversity changes have a cascading effect of ecosystem services and human livelihood.

There are many manifestations of the impacts of climate change, triggered by shifts in temperature, rainfall, and other direct or indirect manifestations of climate change. Both flora and fauna are impacted. In terrestrial ecosystems, changes may occur in the microbial abundance, productivity, faunal or faunal composition or distribution, habitat, and agricultural productivity. In aquatic ecosystems, changes may include primary productivity, species abundance and distribution, migration, coral bleaching, temperature shifts, and the propagation of impacts throughout the food-web.

We invite high quality experimental or modeling articles on the above or other impacts of climate change on biodiversity.





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