# **Special Issue**

# Climate Change Impacts on Soil Processes and Ecosystem

## Message from the Guest Editor

Soils support all terrestrial life by provision and moderation of ecosystem functions and food and fiber production. Climate change may affect soil processes and therefore ecosystem functions and services on both short and long timescales. The future climate is projected to have changes in temperature and hydrology regimes with increasing frequency in extreme weather events, leading to potential shifts in land use type and intensifying the need for mitigation and adaptation strategies for agriculture. Land management practices have been used to increase soil productivity and general soil health, as well as to enhance the climate change resilience of ecosystems. However, the complex interactions between these management practices and soil processes, and the contribution of these interactions to climate change must be evaluated for how well they perform under present conditions and future climate analogs.

Xia Zhu-Barker

### **Guest Editor**

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### Deadline for manuscript submissions

closed (15 April 2022)



# Climate

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## Message from the Editor-in-Chief

Climate (ISSN 2225-1154) was established in 2013 to provide an open-access outlet for innovative research, review articles, new direction papers, and short communications relevant to all disciplines related to climate at all scales. The journal encourages papers ranging from climate change detection and attribution and Earth system modeling to ecosystem, hydrologic, and socioeconomic impacts and climate mitigation and adaptation measures. The influence of Climate is strong and growing (IF 3.2 in 2024, CiteScore 5.7 in 2024).

### Editor-in-Chief

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