

## Special Issue

# Adaptive Response of Grasslands to Climate and Microclimates Changes

### Message from the Guest Editors

The subject of this research topic is to explore the above-ground community and below-ground soil processes, function changes, and driven mechanisms of grassland ecosystems (natural grassland and artificial grassland) responding to direct changing climate or indirect microclimate change caused by disturbances (e.g., dynamics of temperature and precipitation, extreme weather events, grazing disturbance, ecological restoration or protection projects). We invite papers from researchers to share new ideas, techniques, and findings about this subject from field control test experiments, temporal and spatial-scale studies, or remote sensing studies. These studies will provide insight into the effects of the direct changing climate or the indirect microclimate changing on the above-ground community and below-ground soil processes, and function changes of grassland ecosystems. This is key to predicting future successions of grassland ecosystems under the ongoing global climate and microclimate changes. These studies will influence the future development of adaptive management practices for grassland ecosystems under the ongoing climate change.

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### Guest Editors

Prof. Dr. Gaolin Wu  
Prof. Dr. Zhanhuan Shang  
Dr. Jian Sun

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### Deadline for manuscript submissions

closed (20 April 2022)



## Agronomy

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### Editor-in-Chief

Prof. Dr. Leslie A. Weston

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