



Advances in Soil and Water Conservation in Mountainous Area

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Message from the Guest Editors

Soil and water conservation is a key point for the protection, restoration, and reconstruction of ecosystems and catchments in mountainous areas, with a focus on remedying soil and water loss. Nowadays, ongoing global changes, such as climate and land use changes, are making soil and water conservation in mountainous areas more challenging than ever. Theories surrounding hydrological processes, plant–water relations, and carbon neutrality are needed for developing our understanding and evaluation of the impacts of soil and water conservation, and to improve the quality and stability of ecosystems and catchments in mountainous areas.

In this special issue, topics are included but not limit to the following: hydrological processes and model applications under climate change; vegetation restoration and water adaptation mechanisms; coupling of ecological and hydrological processes and modelling; remote sensing applications for soil and water conservation; employing the water–energy–vegetation–land nexus as a framework for achieving carbon neutrality.





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