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Key Hydrological Processes and Its Controlling Factors in Terrestrial Ecosystems

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Message from the Guest Editors

Terrestrial ecosystems are among the most complex and critical ecosystems on Earth. Understanding and studying the hydrological processes inherent to terrestrial ecosystems is crucial for the conservation and management of these ecosystems and maintaining ecological balance.

This Special Issue aims to explore the key hydrological processes occurring in terrestrial ecosystems and how they influence ecosystem dynamics and ecosystem services. The specific research content can include, but is not limited to:

1. Land-use or land-cover change impacts on hydrological processes: Investigating the effects of land-use or land-cover change on hydrological processes in terrestrial ecosystems.
2. Soil-sediment-hydro-ecological processes at multiple scale: Studying the interaction between soils and sediments and hydro-ecological processes at multiple scales in terrestrial ecosystems.
3. Forest disturbance impacts on hydrological processes: Investigating the effects of forest disturbance on hydrological processes related to ecosystem services, providing scientific evidence for land management and conservation.



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Special Issue

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Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant impact factor, and has a goal to become the best journal in land in the coming years. I strongly recommend *Land* for your best research publications for a fast dissemination of your research.

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