



Forest Hydrology under Climate Change

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Deadline for manuscript
submissions:

30 August 2024

Message from the Guest Editors

Forest hydrology could potentially exert a critical role in regulating forest structure, function and ecosystem services. Under global climate change, forest hydrological processes have shifted and, subsequently, reduced the stability of forest ecosystems. Hence, exploring the response of forest hydrology to climate change is essential for forest management. Despite its importance, many related issues remain unclear thus far, for example, questions concerning how climate change alters forest evapotranspiration, plant water use patterns, the water cycle in ecosystems, etc. Therefore, the scope of this Special Issue is to collect recent findings from different regions tackling issues related to forest hydrology under climate change using various methods.

Potential topics include, but are not limited to:

- Throughfall process;
- Stem flow process;
- Interaction between groundwater and surface water;
- Plant water uptake;
- Soil water migration;
- Forest evapotranspiration;
- Ecohydrological separation and connectivity.





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Journal Rank: JCR - Q1 (Forestry) / CiteScore - Q1 (Forestry)

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