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Forest Hydrology: Processes, Assessment and Management

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Message from the Guest Editors

Dear Colleagues,

Vegetation strongly influences hydrology both on the slope and on the catchment area. Hydrological processes represent a key point for the hydrological response of small mountain catchment areas. The multifunctionality of the forest also lies in the possibility of offering services such as flood peak mitigation and mitigation of surface erosion. The study of the interactions between the different eco-hydrological components (the interactions among vegetation, the land surface, the vadose zone, and the groundwater) is fundamental to understand how they will respond under different forest management and under a changing climate.

This Special Issue aims to collect the latest developments and applications of both basic and applied research in forest hydrology and forest management, with particular attention to protection forests. Research can focus, though not exclusively, on hydraulic connectivity, subsurface drainage, surface erosion, and rainfall-induced shallow landslides, isotopic traces, stem-fall and through-fall processes, inflow–outflow water balance, and hydrological response of different forms of forest management and land use.



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Special Issue



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Message from the Editorial Board

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Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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