



Forest Ecohydrology – from Theory to Practice

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Message from the Guest Editors

The newly emerging field of forest ecohydrology aims to understand, quantify and utilize complex forest–water interactions. The dynamic responses of forest ecosystems to water availability and other factors are slow and often delayed, and therefore less studied. Moreover, scale-dependent and site-specific forest–water interactions must be interpreted by the combined ecological and hydrological process response to influencing factors and management schemes. This is vitally important for the development of forest ecohydrology. This Special Issue welcomes studies presenting new knowledge, innovative methods and models of forest ecohydrology. This includes: 1) the responses of structural dynamics and the spatial patterns of forests to water-related and other factors; 2) the mechanism and scale effect of forest hydrological impacts; 3) the coupling of forest eco- and hydrological processes and modelling; 4) application cases of forest ecohydrology in forest management for desired ecosystem services. Original research and reviews targeted at the understanding, quantification and utilization of forest–water interactions at various scales are particularly encouraged.





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Message from the Editor-in-Chief

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