Special Issue

Forest Hydrometeorology

Message from the Guest Editors

During the last few decades, it has become a primary goal in the biophysical sciences to enhance the knowledge on how forests and water interact. The study of the relations between hydrological cycle components, climate, and weather attributes and the forest type and elements (including vegetation species composition, distribution, canopy architecture etc.) is fundamental to understand how they will respond under different forest management and cope with the changing climate and weather conditions. This is highly important due to the increased challenges faced by forests because of biotic and abiotic disturbances (e.g., wildfire, insect infestation). To that end, long-term time series from forest meteorological stations are necessary for hydrometeorological analysis and trend detection. In particular, this Special Issue aims to investigate the effects and the role of forest vegetation and climate variability on water balance, soil erosion, and water quality and identify future risks for forest ecosystems induced by rapidly changing climate or adverse weather conditions.

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Message from the Editor-in-Chief

Hydrology is the study of the waters of the Earth. *Hydrology* has close ties with hydraulics, hydrogeology and the multiple sciences that study the atmosphere, the land surface, the soil and the subsoil, and ranges from complex problems of risk, forecasting and optimization of water resources to interactions with ecological, urban, social and economic systems.
The purpose of *Hydrology* is then to provide a journal where research results and real-world problems can be presented and discussed in order to bridge the traditional gaps between the academic world and the professionals and decision makers. Therefore, *Hydrology*, invites authors to submit their original theoretical, field, experimental, and numerical studies on hydrology with strong emphasis on multidisciplinary approaches and interdisciplinary topics, which cross the typical boundaries of our science.

Editor-in-Chief

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