Special Issue

Remote Sensing in Forest Hydrology

Message from the Guest Editor

Forest hydrology investigates hydrological processes in forest-dominated ecosystems. This includes the transport and storage of water, snow and water vapour in the soil-plant-atmosphere system, and addresses the complex interaction between the forest vegetation and the abiotic system, e.g. root water uptake that is controlled by atmospheric conditions and photosynthetic activity of the plants. In order to understand and predict energy-driven processes, such as evapotranspiration or snow melt, some knowledge of the radiation and energy balances of a forest catchment is required. Forest hydrology also studies the quality of water and the mobilization and transport of chemical substances within the soil, stream or plant, and requires an understanding of forest/plant physiological and ecological processes. We invite submissions of outstanding articles to this Special Issue that will advance the current knowledge of any these processes, states and interaction in forested catchments. Remote sensing techniques may range from optical, thermal, to microwave systems, as well as LIDAR and ultra-sonic instruments, and can be satellite, aircraft, drone or ground based.

Guest Editor

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

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