remote sensing

IMPACT FACTOR 4.2

CITESCORE 8.3

an Open Access Journal by MDPI

Remote Sensing in Forest Hydrology

Guest Editor:

Prof. Dr. Karsten Schulz
Institute of Water Management, Hydrology and Hydraulic Engineering (IWHW), University of Natural Resources and Life Sciences, Vienna (BOKU), Muthgasse 18, 1190 Vienna, Austria

Deadline for manuscript submissions:
closed (1 December 2019)

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.

remote sensing

IMPACT FACTOR 4.2

CITESCORE 8.3

an Open Access Journal by MDPI

Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.
Journal Rank: JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)

Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
𝕏@RemoteSens_MDPI