Special Issue

Ecohydrological Remote Sensing

Message from the Guest Editors

Contributions may include but are not limited to:

- The resilience of ecosystems' fluxes to droughts and heat waves or their combination.
- Vegetation–atmosphere interactions: responses to soil mosture vs. vapor pressure deficits, atmospheric pollutants and aerosol loadings, radiation or precipitation response and feedback.
- Carbon and water footprints of dryland and irrigated crops at regional scales.
- Remote-sensing analysis of plant hydraulic and water traits to better understand and model drought responses.
- Effects of land use/land cover changes on various components of the hydrological cycle such as surface runoff, recharge, or feedback to climate.
- Novel approaches to estimate vegetation status and functions based on statistical analysis including machine learning, combinations of data-driven and mechanistic models, plant hydraulics, or surface energy balance approaches.
- Meso and microscale landscape heterogeneity to advance the transfer of schemes across scales (e.g., aerodynamic and canopy resistances) or to provide effective community level descriptions alternatives to plant functional types (PFT).

Guest Editors

Dr. Monica Garcia

Department of Environmental Engineering, Denmark Technical University, 2100 Lyngby, Denmark

Prof. Pierre Gentine

Department of Earth and Environmental Engineering, Columbia University, 500 W 120th st, New York, NY 10027, USA

Deadline for manuscript submissions

closed (31 May 2021)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 8.3

mdpi.com/si/20680

Remote Sensing
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

mdpi.com/journal/remotesensing

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 8.3

mdpi.com/journal/remotesensing

MDPI

About the Journal

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

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

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)