Special Issue

Remote Sensing Applications for Hydrogeography and Climatology

Message from the Guest Editors

Remote sensing techniques play a key role in accessing hydrological state variables, water fluxes or drivers for hydrological fluxes, particularly in regions with sparse ground-based measurement networks. A wealth of satellite based systems is available today that provide data and products. These satellite systems are augmented by systems that focus on regional or field scale (e.g., UAVs). This Special Issue will focus particularly on papers assessing the properties and functions of critical zones governing hydrological fluxes on local to watershed scales. Examples of these critical zones are the soil surface, as it partitions infiltration and surface runoff, the root zone, as it partitions groundwater recharge and transpiration, the plant–soil interface, as it governs evapotranspiration or the riparian zone, as it is essential for ground and surface water interactions. Original research papers and/or review papers that address the use and accuracy of remote sensing data and products to investigate these fluxes, to provide model parameters, to drive models or to improve water management practices are particularly invited.

Guest Editors

Prof. Dr. Karl Schneider
Department of Geography, University of Cologne, 50923 Koln, Germany
Prof. Dr. Harrie-Jan Hendricks Franssen
Agrosphere (IBG-3), Forschungszentrum Jülich GmbH, 52425 Jülich, Germany

Deadline for manuscript submissions

closed (1 November 2021)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 9.4

mdpi.com/si/51718

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

mdpi.com/journal/remotesensing

MDPI

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 9.4

mdpi.com/journal/remotesensing

MDPI

About the Journal

Message from the Editorial Board

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.

Editors-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

Prof. Dr. Dongdong Wang
Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

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)