Special Issue

Remote Sensing of Surface Runoff

Message from the Guest Editor

Surface runoff includes a variety of hydrological processes crucial for understanding and modelling, among others, water resources management, flood formation, and erosion dynamic. Recent innovation and advancement in sensors, computational power, and monitoring platforms are rewording the meaning of remote sensing that was previously limited to satellite observations. Nowadays, CubeSat systems, drones, radar technology, and image analysis are augmenting the remote sensing perspective and the field of surface runoff observations may greatly benefit from such multidisciplinary approaches. The aim of this Special Issue is to collect contributions providing innovative surface runoff remote sensing applications at different spatial scales related, but not limited, to:

- Hydrometric observation;
- River velocity measurements;
- Hillslope runoff velocity estimation;
- Soil water content estimation;
- Water stress estimation;
- Floodplain and flood inundation observations.
- Role of vegetation land cover and land use activities

Guest Editor

Prof. Dr. Salvatore Grimaldi
Department of Innovation in Biology, Agri-food and Forest systems (DIBAF), Tuscia University, Viterbo, Italy

Deadline for manuscript submissions

closed (31 March 2020)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/17548

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 8.6

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)