

Special Issue

Remote Sensing of Dryland River Systems

Message from the Guest Editors

Dryland river systems are the subject of growing research attention owing to their scientific importance and significance for environmental management. Dryland rivers are fundamentally important for ecosystem services in these moisture-stressed regions and for the study of ancient (especially pre-vegetation) rock records and extraterrestrial surface environments. However, due to the notorious difficulties of access in remote drylands, direct observations or long-term monitoring of dryland rivers are commonly impractical or costly. Remote sensing techniques therefore provide valuable opportunities for investigating these rivers not only in real-time but also by enabling repeat observations over the long term. Recently, the increasing availability of remote sensing datasets have significantly enriched data pools, and powerful new analytical methods have been developed to characterize dryland river systems with increasing resolution and accuracy. This Special Issue will demonstrate how advances in remote sensing are contributing to a better understanding of dryland river systems, particularly their geomorphology, topography and associated flood dynamics.

Guest Editors

Dr. Jiaguang Li

Dr. Qiusheng Wu

Dr. Laurence Hawker

Prof. Stephen Tooth

Deadline for manuscript submissions

closed (31 December 2021)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



mdpi.com/si/69794

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

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)



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)