

Special Issue

Precipitation and Evapotranspiration Mechanisms in Drylands and Their Remote Sensing Retrieval & Simulation (Second Edition)

Message from the Guest Editors

This Special Issue invites contributions dealing with the retrieval of precipitation and evapotranspiration data on different spatial and temporal scales, monitoring their dynamics, exploring the mechanisms of precipitation and evapotranspiration, and improving simulation accuracy based on the integrated use of remotely sensed data and in situ measurements. Articles may address, but are not limited to, the following topics:

- Retrieval of precipitation;
- Estimation of evapotranspiration;
- Evapotranspiration regulation mechanisms;
- Validation of precipitation and evapotranspiration models;
- Characterization of precipitation properties;
- The impact of climate change on precipitation and evapotranspiration;
- Spatial and temporal characteristics of evapotranspiration;

.....

This Special Issue is the second edition of the Special Issue, "[Precipitation and Evapotranspiration Mechanisms in Drylands and Their Remote Sensing Retrieval & Simulation](#)".

Guest Editors

Prof. Qiang Zhang

Prof. Dr. Yu Zhang

Prof. Dr. Ping Yue

Dr. Zesu Yang

Dr. Yongli He

Dr. Simone Lolli

Deadline for manuscript submissions

closed (31 October 2025)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/188881

Remote Sensing
Editorial Office
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 4.1
CiteScore 8.6



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



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)