Special Issue

Leaf Area Index (LAI) Retrieval using Remote Sensing

Message from the Guest Editors

Leaf area index (LAI) is the key biophysical variable influencing land surface photosynthesis, energy balance, and transpiration, and it is closely related to the net primary production of terrestrial ecosystems. Since green leaves play a critical role in controlling many physical and biological processes of plant canopies, LAI, being the key structural characteristic of vegetation, is also widely used as an indication of vegetation status. Remote sensing has played an imperative role in obtaining LAI estimates for its rapid, cost-effective, reliable, and objective estimation. A large number of relationships have been discovered between remote sensing data obtained from optical, thermal, LiDAR, and radar sensors at laboratory, field, airborne, or satellite levels, utilizing various physical or empirical models. This Special Issue, "Leaf Area Index (LAI) Retrieval using Remote Sensing", is calling for papers that demonstrate original research that can overcome or address the above challenges and gaps and develop corresponding solutions, in particular using remote sensing recent advances.

Guest Editors

Dr. Roshanak Darvishzadeh

Department of Natural Resources, Faculty of Geo-Information Science and Earth Observation, University of Twente, Enschede, The Netherlands

Dr. Abel Ramoelo

Department of Geography, Geoinformatics and Meteorology, University of Pretoria, Hatfield, Pretoria 0001, South Africa

Deadline for manuscript submissions

closed (15 February 2019)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/16653

Remote Sensing
Editorial Office
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 4.1
CiteScore 8.6

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)