Special Issue

Using Remote Sensing for Ecosystem Service Assessments in Tropical Landscapes

Message from the Guest Editors

Tropical landscapes play an important role in biodiversity conservation, terrestrial carbon cycles, and hydrological regimes, among others. Attempts to preserve the role of such tropical landscapes in providing ecosystem services requires information on spatial and temporal distribution at various scales. Ecosystem service assessments are often limited by spatial and spatiotemporal data, a challenge that may be overcome by the use of Earth observation systems (EOS), given their many beneficial features. This SI invites studies that highlight the link between EOS (i.e., satellite, aircraft, drone; optical, SAR, hyperspectral) and ecosystem service assessments with a particular focus on tropical landscapes with a forest or agroforestry component. Studies should illuminate new ways in which EOS can be used to assess, monitor, or model ecosystem services at patch, landscape, or larger spatial scales. Possible further topics include mapping of ecosystem processes and services under landscape change dynamics, effects of scale on monitoring ecosystem services in conjunction with EOS, and inter- or multidisciplinary approaches that combine with EOS-derived data.

Guest Editors

Dr. Melvin Lippe

Johann Heinrich von Thünen Institute, Institute of Forestry, 21031 Hamburg, Germany

Dr. Sven Günter

1. Ecosystem Dynamics and Forest Management in Mountain Landscapes, Technical University of Munich, D-85354 Freising, Germany
2. Thünen Institute of Forestry, Leuschnerstr. 91, 21031 Hamburg, Germany

Deadline for manuscript submissions

closed (31 July 2024)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/91374

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)