



Ecological Monitoring of Northern Forests Based on Hyperspectral Imagery

Guest Editors:

Dr. Sarita Keski-Saari

Section of Forest Sciences,
University of Eastern Finland,
Joensuu, Finland

Dr. Lea Hallik

University of Tartu

Deadline for manuscript
submissions:

closed (30 December 2021)

Message from the Guest Editors

Dear Colleagues,

Northern forests are subject to rapid environmental changes due to global change, biodiversity decline and shifts in forest management. In forest research, spectral reflectance can be utilized in recognition of both tree species and understory vegetation. Spectral diversity within a forest can be considered as an estimate of species diversity, and utilized in estimation of biodiversity.

For this special issue, we welcome submissions of most recent research advances in hyperspectral imaging of northern forests. Northern forest cover the whole boreal region, but can be interpreted to include semiboreal and temperate coniferous forests. All scales including remote and proximal sensing are welcome. The topics include but are not restricted to: Tree species detection and recognition; Ground and understory vegetation detection; Spectral and species diversity; Retrieval of biochemical composition within or among species; Forest health assessment; Monitoring of seasonal changes, assessment of phenological events

Dr. Sarita Keski-Saari

Dr. Lea Hallik

Guest Editor





an Open Access Journal by MDPI

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

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.

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)

Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)