



Deep Learning on the Landsat Archive

Guest Editors:

Prof. Dr. Giorgos Mountrakis

Dr. Pete Doucette

Dr. Neal J. Pastick

Deadline for manuscript
submissions:

closed (30 January 2025)

Message from the Guest Editors

Dear Colleagues,

Landsat observations offer global, consistent coverage spanning more than fifty years. They have been instrumental in a wide range of studies in land cover and land use. The application of deep learning has emerged as a compelling methodology for use to analyze and extract knowledge from this large data archive.

The goal of this Special Issue is to collect studies that integrate deep learning methods with the lengthy Landsat observational record. Submissions must use deep learning methods and be applied on Landsat observations. Non-DL methodologies and non-Landsat observations are also welcome in the context of comparison and calibration/validation, respectively, but not as standalone studies.

We invite manuscripts in:

- fusion with other sensors of different spectral and spatial resolutions and/or signal types and super-resolution tasks,
- the effect and support of reference data types and availability,
- image preprocessing methods, such as sensor calibration/validation and atmospheric correction,
- time series analysis and change detection,
- reviewing collections of validation data appropriate for integration with the Landsat archive.





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)