



Deep Learning Based Target Detection and Recognition in Remote Sensing Images

Guest Editors:

Dr. Zongxu Pan

Prof. Dr. Fan Zhang

Dr. Xinghua Li

Dr. Bo Tang

Dr. Wei Yao

Dr. Zhongling Huang

Deadline for manuscript
submissions:
closed (31 October 2023)

Message from the Guest Editors

Dear Colleagues,

Target detection and recognition is a fundamental task in remote sensing, and it plays a significant role in various applications. With the further development of deep learning (DL) techniques, DL-based target detection and recognition approaches have become increasingly popular. Despite substantial progress in the field of DL-based detectors and classifiers with automatically learned features, there are several remaining issues: 1) the performance of tiny targets or target detection in low-resolution images is not satisfactory due to limited information; 2) target detection and recognition with few training samples is still a challenge; 3) current target detection and recognition models are more like black boxes; their interpretability needs to be further studied in order to advance their development in remote sensing images.

This Special Issue aims to provide a platform for researchers to discuss and provide solutions for the above-mentioned issues, contributing to the development of target detection and recognition in remote sensing images





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, St. Alban-Anlage 66
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)