Special Issue

Investigating State-of-the-Art Machine Learning Approaches in Vegetation Analysis through Earth Observation Data

Message from the Guest Editors

"...In recent years, machine learning (ML) techniques have attracted considerable attention for their effectiveness in producing robust vegetation cover maps. With substantial advancements in the field, machine learning is poised to maintain a pivotal role in analysing sizeable remote sensing datasets, incorporating information from varied data sources to extract valuable spatial patterns, for example, support vector machines, decision tree classifiers, Random Forest classifiers, normal Gaussian Baye, an ensemble method utilising various classification methods, or ensemble methods to produce vegetation classification maps..."

"The forthcoming Special Issue (SI) aims to highlight the latest developments and applications of ML or deep learning methods in vegetation remote sensing. The SI is open to all kinds of manuscripts, including original research articles, review articles, etc., with the added value of using time series remote sensing data in all aspects regarding the mapping, change detection, trend analysis, and studies of the drivers of vegetation change in all ecosystems using CNNs."

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Deadline for manuscript submissions

14 December 2025

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/180529

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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.

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