

Special Issue

Monitoring and Restoration of Mining-Impacted Ecosystems Using Remote Sensing Technology

Message from the Guest Editors

At present, the development of remote sensing science and technology provides new research ideas for ecological restoration and ecosystem function improvement in mining areas. MODIS, Landsat, Sentinel, GF, and other satellite images, LiDAR and other LIDAR data, and UAV data enable us to monitor and analyze the changes in the structure and function of mining ecosystem from different scales and levels, providing important data support for ecological restoration.

This Special Issue focuses on the functional changes in various ecosystems in mining areas in the process of ecological restoration supported by multi-source remote sensing data. The main research areas include high-precision inversion and mapping of mining ecosystems based on multi-source remote sensing image data; the interaction mechanism of structural characteristics and functions of mining ecosystems in the process of ecological restoration; the evolution law and driving mechanism of mining ecosystem structure and function based on long time series remote sensing data; the application of remote sensing technology such as machine learning and GEE in the research of ecological restoration in mining area.

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Deadline for manuscript submissions

28 May 2026



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/222931

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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.

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