



Hyperspectral Remote Sensing in Soil and Vegetation Degradation Monitoring

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Deadline for manuscript submissions:

20 February 2025

Message from the Guest Editors

Dear Colleagues,

Soil and vegetation degradations pose a threat to socioeconomic development and the ecosystem. Efficient monitoring is a method of remediation and protection. Reflectance spectroscopy has been recognized as an efficient alternative for the investigation of soil and vegetation degradations. Hyperspectral remote sensing combines reflectance spectroscopy and remote sensing, further improving the abilities to characterize these variables and monitor degradation.

This Special Issue aims to publish original research and review articles on recent advances, technologies, solutions, applications, and new challenges in this field. Topics include, but are not limited to, the following:

- Soil contamination and degradation, grassland and forest degradations;
- Proximal, airborne, and satellite hyperspectral sensors' design and data acquisition;
- Hyperspectral data denoising, variable selection, and model calibration algorithms;
- Deep learning and artificial intelligence in hyperspectral data mining and feature extraction;
- Applications of hyperspectral data in characterizing soil and vegetation variables and monitoring soil and vegetation degradations.





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Message from the Editor-in-Chief

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