Special Issue

Hyperspectral Sensors for Soil Parameters and Crop Parameters Retrieval

Message from the Guest Editors

The utilization of hyperspectral sensors in remote sensing has opened up avenues for the extraction of soil properties and the analysis of crop health. This technology, provides continuous spectral data that can improve our understanding of soil properties, crop growth and changes. Further, it can help in accurate retrieval of biophysical and biochemical parameters of soil and crops, contributing to precision agriculture and sustainable farming practices. In light of these advancements, we are inviting researchers to contribute their latest work. The aim of this special issue is to showcase the most recent developments, innovations, and applications of hyperspectral sensors in retrieving soil and crop parameters. This includes, but is not limited to, the use of hyperspectral sensors mounted on various platforms such as mobile units, Unmanned Aerial Vehicles, aircraft, and satellites at different scales. This special Issue, encourages submissions that discuss novel techniques or approaches leveraging hyperspectral sensors to retrieve soil parameters such as soil moisture, organic matter, mineral content, and other soil physicochemical properties.

Guest Editors

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Dr. Qisheng He

Deadline for manuscript submissions

closed (31 December 2025)

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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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