



Monitoring Soil Contamination by Remote Sensors

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Message from the Guest Editors

For about two centuries, the industrial revolution and associated demographic growth have led to increased environmental contamination by various chemical compounds related to human activities. Depending on their toxicity and persistence in the environment, chemical contaminants can alter the physical, chemical, and biological properties of soils and raise ecosystem and human health concerns. Over the last few decades, promising solutions based on remote sensing have emerged for monitoring contaminant release, fate and effects on soils and plants, from the field to higher scale applications. A wide variety of approaches coupling sensor-based data to plant and soil sciences have been proposed for detecting and assessing soil contamination directly or indirectly, opening the way to surveying contaminated areas and characterizing the impacts of anthropogenic activities on the environment. This Special Issue aims to publish original research that specifically addresses various aspects of soil contamination monitoring over space and time using passive (multi- and hyperspectral, reflective or emissive spectral domains) and/or active (LiDAR, RADAR) remote sensing.





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