



## Assessing Spatiotemporal Changes in Vegetation and Soil Properties Using Remote Sensing and Digital Soil Mapping (DSM)

Guest Editor:

### Dr. Eli Argaman

Soil Erosion Research Station,  
Soil and Water Conservation  
Division, Ministry of Agriculture  
and Rural Development, Beyit  
Dagan 5025001, Israel

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### Message from the Guest Editor

The integration of remote sensing with spatiotemporal assessments of soil and plant properties is at the forefront of scientific advancement, with the hope being to decipher the intricacies of soil–vegetation interactions and address pressing challenges related to soil ecosystem health.

Using state-of-the-art RS technologies, we aspire to develop innovative and precise digital soil mapping (DSM) systems. These well-established systems are poised to make significant progress given recent technological advancements. Notably, we are looking for research that harnesses multiple RS platforms, including ground, airborne, and satellite imagery, to detect quantitative and qualitative indicators that are pivotal in soil and vegetation properties.

Our call for contributions strongly emphasizes integrating spatiotemporal considerations with novel RS methodologies, specifically focusing on the spectral and morphological aspects of soil–vegetation interactions. Paramount to our objectives is applying machine learning (ML), data mining protocols, classification, spatiotemporal modeling, and prediction in DSM.





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### Prof. Dr. Dongdong Wang

Institute of Remote Sensing and  
Geographic Information Systems,  
Peking University, Beijing, China

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*Remote Sensing* Editorial Office  
MDPI, Grosspeteranlage 5  
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