Special Issue

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

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.

Guest Editor

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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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