



Bridging the Proximal and Remote Sensing Spectroscopy for Soil Properties Estimation and Monitoring

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Deadline for manuscript
submissions:

closed (15 June 2022)

Message from the Guest Editors

The sustainable management of soil health and its state require constant assessment and monitoring of a high number of soil properties at different time frames and spatial scales, which presents a challenge when utilizing costly and time-consuming conventional analytical methods. Reflectance spectroscopy has proven to be a reliable, cheap, and environmentally friendly technique for the estimation of basic and some functional soil properties. Its application extends from the laboratory benchtop and in situ portable or on-the-go sensors to the most recent remote (drone, aircraft and spaceborne) sensors, enabling a much bigger scale of investigation and potentially enabling a mapping of the spatial distribution of soil properties.

In this Special Issue, we would like to invite contributions reporting on the application of soil spectroscopy across visible near infrared; vis-NIR (400–2500 nm), mid-wave infrared; MWIR (3000–5000 nm) and long-wave Infrared; the LWIR (7000–12000 nm) spectral range.





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Message from the Editor-in-Chief

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