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Monitoring Soil Properties Based on Remote Sensing

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Deadline for manuscript submissions:
closed (28 April 2023)

Message from the Guest Editors

Increasing food production has become an urgent necessity to address population growth, which necessitates the intensification of food production. Hence, the careful management of soil requires an understanding of its characteristics as well as the factors that limit its production. No doubt that the soil is a complex system, and is affected by surrounding climatic factors. Recently, remote sensing data have become more available and have high resolution and capabilities, provide a valuable basis for updating and monitoring soil properties, and can be used in integration with other environmental data to monitor changes in soil properties and their impact on crop production. We welcome contributions on the following topics:

- UAV-based soil mapping
- Soil properties using visible–near-infrared (VIS-NIR) reflectance spectroscopy
- Mapping soil organic carbon
- Mapping soil characteristics
- Mapping soil salinity
- Mapping land degradation
- Mapping soil water retention
- Soil erosion
- Satellite time series
- Assessing and monitoring soil quality
- Soil conservation evaluation
- Mapping soil nutrients using remote sensing
- Soil quality and crop performance

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Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant impact factor, and has a goal to become the best journal in land in the coming years. I strongly recommend Land for your best research publications for a fast dissemination of your research.

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