



Salinity Monitoring and Modelling at Different Scales

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Message from the Guest Editors

Soil salinization, which already widely affects many regions of the world with arid and semiarid climates, becomes a top priority of research as it not only leads to the degradation of soil functions but also to yield losses, farmer's income, eventual migration of populations, and ultimately social unrest. Strategies to better tackle soil salinization problems are thus critical for supporting soil management and agricultural production. These strategies should be based on efficient monitoring programs capable of continuously evaluating the performance of the implemented management strategies.

This Special Issue aims to bring together researchers from around the world on the advances in soil salinity measurement, mapping and modeling using various proximal and remote sensing sensors and vadose zone modeling to help connect researchers working in a similar area to tackle the globally critical issue and enhance soil security.

- soil salinity
- soil hydraulic properties
- pedotransfer functions
- proximal soil sensing
- remote sensing
- electromagnetic induction
- digital soil mapping
- machine learning
- arid and semi-arid climate
- agricultural water management





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Message from the Editor-in-Chief

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