Special Issue

Salinity Monitoring and Modelling at Different Scales

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

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2024)

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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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