Special Issue

Digital Soil Mapping and Precision Agriculture

Message from the Guest Editors

This Special Issue aims to compile original research and review articles that advance the science and application of DSM and PA, emphasizing their role in sustainable land management. We aim to address gaps in spatial soil data, model accuracy, and technology adoption in diverse agroecosystems. This Special Issue welcomes contributions on, but not limited to, the following topics:

- High-resolution soil property mapping using remote sensing, ML, or IoT.
- AI/ML-driven predictive models for soil health and yield optimization.
- Data/model fusion frameworks integrating multi-source geospatial and field data.
- Environmental impacts and circular agriculture tied to PA systems.
- Innovations in DSM (e.g., AI/ML applications, hyperspectral imaging, and UAV-based sensing).
- Integration of multi-source data (remote sensing, in situ measurements, and legacy data).
- Climate-resilient agricultural practices leveraging DSM/PA.
- Case studies on regional-to-global DSM frameworks.

Submissions may include original research, reviews, case studies, or methodological papers. In particular, research on the influence of human factors on soil property mapping is encouraged.

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

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