# Special Issue

# Soil Moisture: Remote Sensing Innovations and Applications

## Message from the Guest Editors

Accurate and timely soil moisture data are essential for sustainable water resource management, mitigating the impacts of droughts and floods, and optimizing precision agriculture practices. Recent advancements in remote sensing technologies, including satellite missions, UAV-based platforms, and ground-based sensor networks, have significantly enhanced our ability to monitor soil moisture dynamics at various spatial and temporal scales.

This Special Issue aims to explore cutting-edge innovations in remote sensing and their application in soil moisture monitoring and modeling. It seeks to bridge the gap between advanced sensing technologies, data processing methodologies, and practical applications in agriculture, hydrology, and environmental management. A particular focus will be the integration of multi-source remote sensing data, the application of machine learning and artificial intelligence techniques, and the development of innovative algorithms for improved soil moisture estimation and prediction.

## Guest Editors

Dr. Chiranjibi Shah

Dr. Md Mehedi Farhad

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## Deadline for manuscript submissions

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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.

## Editor-in-Chief

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