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Recent Advances for Crop Mapping and Monitoring Using Remote Sensing Data

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Deadline for manuscript submissions:

closed (28 February 2022)

Message from the Guest Editors

Recent years have seen rapid advancements in the use of remote sensing data for agricultural applications. This progress has been achieved because of engineering advances in satellite sensors and the development of open data policies from satellite data providers. All of these advances have encouraged different sectors from government agencies and policy makers to private industry to include remote sensing data in their agricultural decision support systems.

This Special Issue solicits papers that document recent advances in remote sensing applications in agriculture, including crop type mapping, crop water stress and crop disease monitoring, crop yield prediction, crop biophysical parameter estimation, cover crop mapping, and crop residue monitoring using remote sensing data. Research papers that use advanced remote sensing techniques such as multiresolution data fusion, SAR and optical data integration, SAR polarimetry, and SAR interferometry are welcome. We also encourage manuscripts that focus on advanced modeling approaches such as new methods in machine learning/artificial intelligence or their integration with physical models.



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Message from the Editorial Board

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