



Remote Sensing for Water Resources Assessment and Monitoring in Agriculture

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Deadline for manuscript
submissions:

closed (30 November 2019)

Message from the Guest Editors

Around 50% of the world's agricultural production is produced under irrigation, and, due to growth in population and food demand, irrigated areas are expected to almost double by 2050 in a context of climate change and decreasing water availability, causing significant environmental changes. The assessment and monitoring of agricultural water resources are thus mandatory to achieve sustainable development and food security. EO missions such as Landsat, MODIS, Sentinel, SMOS, SMAP, etc., can provide timely and accurate information (e.g., crop and soil water status, irrigated cropland, water bodies, etc.) at various scales to support water management and achieve sustainable development objectives.

The goal of this Special Issue is to show how satellite observations can be used to characterize and monitor agricultural water resources at different spatial and temporal scales. We expect papers that present novel methods, based on single or multi-sensor time series and/or multi-source (remote sensing data, ancillary data, expertise, and modelling) approaches to go beyond the state of the art in terms of agricultural water resources assessment and monitoring.





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Message from the Editor-in-Chief

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