

## Special Issue

# Utilizing Satellite Observations for Improved Crop Model Implementations at Regional Scales

### Message from the Guest Editors

Agricultural simulation models can be a key component in addressing issues of global food security that includes monitoring and prediction of agricultural drought and its impacts; yields (production); precision agriculture; and agriculture water resources. Crop models typically depend on accurate estimates of numerous inputs, which for many areas of the world are typically not available. Sparse meteorological inputs (e.g., temperature precipitation), in combination with inconsistent management options, tend to increase uncertainties within crop model results. However, some of these uncertainties may be mitigated by utilizing remotely sensed data, such as soil moisture; optical vegetation indices; leaf area index; reference and actual evapotranspiration; land surface temperature; etc. directly or indirectly. In this Special Issue, we seek research that puts forward the use of earth observation data into crop modeling directly (forcing/assimilation) or indirectly (coupled with other land surface models) for improved crop model performance, particularly in data-limited regions of the world at regional scales.

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### Deadline for manuscript submissions

closed (31 October 2021)



## Remote Sensing

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### Message from the Editor-in-Chief

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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### Editor-in-Chief

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