

## Special Issue

# Remote Sensing Applications in Agricultural Ecosystems

### Message from the Guest Editors

The world's population is projected to increase continuously throughout the 21st century. To mitigate the global food security problem, it is of utmost importance to improve crop health and enhance grain yield through better agricultural management, crop cultivars, etc. Remote sensing has many advantages in monitoring crop growth at the regional and global scales and detecting crop responses to various stresses (such as droughts, pests, and limited nutrient availability) that are invisible to humans. This Special Issue aims to present a collection of papers on topics regarding remote sensing applications in agricultural ecosystems from local to regional and global scales. Acceptable topics include, but are not restricted to, crop yield prediction, nutrient limitation, cropland area change, crop phenology, agricultural drought and water stress, the carbon balance in and greenhouse gas emissions from agricultural lands, crop health assessment, agricultural fires, and crop type classification. Papers are required to include a novelty, such as a new satellite sensor or data archive, a new approach to analysis, or a novel application to improve crop monitoring and evaluation.

### Guest Editors

Dr. Jia Yang

Dr. Bo Tao

Dr. Padmanava Dash

### Deadline for manuscript submissions

closed (23 November 2022)



## Remote Sensing

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Impact Factor 4.1  
CiteScore 8.6



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## About the Journal

### 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

Dr. Prasad S. Thenkabail

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