



## Remote Sensing Applications in Agricultural Ecosystems

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### 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.

