



Estimation of Crop Coefficients and Evapotranspiration through Remote Sensing

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Message from the Guest Editors

The accurate estimation of agro-meteorological variables such as crop coefficient, soil moisture, evapotranspiration, transpiration, irrigation water, crop yield, and gross primary productivity is very important for agricultural water management, irrigation scheduling, water use efficiency, and global food security. This Special Issue will focus on the estimation of agro-meteorological variables (e.g., crop coefficient, evapotranspiration, soil moisture, leaf area index, and land surface temperature) over crop lands using remote sensing data and hydrological models. We welcome original research articles and reviews in this Special Issue. Research areas may include (but are not limited to) the estimation of crop coefficient and evapotranspiration, soil moisture, irrigation water, crop yield, gross primary productivity, land surface temperature, water use efficiency, and leaf area index by incorporating remote sensing data into physical hydrologic, machine learning, data assimilation, and hybrid approaches.





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