Special Issue

Crop Evapotranspiration

Message from the Guest Editors

Knowledge of evapotranspiration (ET) over croplands is becoming increasingly important across multiple disciplines, spatial scales, and time. ET estimation is critical for addressing immediate needs at farm scales including improved crop water management and irrigation efficiencies, weather and crop-stress forecasting, and decision support tools. Additionally, large-scale ET model development and validation are critically needed at watershed to continental scales to help assess agronomic, hydrological, and economic impacts of drought and climate change. This Special Issue will focus on Crop Evapotranspiration in both irrigated and non-irrigated environments. We welcome novel research, reviews and opinion pieces covering all ET-related topics. We are especially interested in recent integrated ET research using data fusion techniques, combining biophysical models with observations, evaluating the roles of simple vs. complex models, ET estimation at multiple spatial scales, and assessments of the impact of advances in remote sensing technology using satellites, aircraft, and drones. Dr. Andrew N. French

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