

Post-doctoral Research Associate Position –Soil-Water-Plant System Modeling

Agricultural and Biological Engineering (ABE) Department and Southwest Florida Research and Education Center, University of Florida (UF), seeks a post-doctoral associate to work on a multi-disciplinary project in Florida's Everglades region to evaluate a new agricultural production system for fresh produce with regards to water and nutrient transport to ground water and surface water, flooding and associated diseases, hurricane damage, plant performance, and labor health. The post-doc will help collect and use the soil, water, and plant data already collected from multiple sites within U.S. to develop hydrologic models for predicting water and nutrient transport within with vadose zone and flooding frequency. S/he will work with other team members with expertise in biomechanics and hurricane (wind) damage to help collect and analyze data which will include UAV-based data at field-scale on plant performance and labor efficiency. Applicants must have Ph.D. in agricultural/biological/civil/environmental engineering or related physical sciences. Applicants are expected to have strong background in vadose zone modeling and nutrient transport processes. Background in integrated (surface and ground water) models and/or irrigation management and UAV is a plus. The position is available immediately. Send a resume and the names of three references to Ms Becky Decker by e-mail (rdecker54@ufl.edu). Inquiries for the position can be directed to Dr Sanjay Shukla by e-mail (sshukla@ufl.edu) Phone 239-658-3425. Screening will begin April 1, 2020.