



TEXAS TECH UNIVERSITY

College of Agricultural Sciences & Natural Resources

Ph.D. Assistantship available in crop-forage irrigation systems

The TeCSIS (<https://www.depts.ttu.edu/forageresearch/>) - TAWC (<https://www.depts.ttu.edu/tawc/>) program led by Dr. Jagadish, in the Department of Plant and Soil Science (<https://www.depts.ttu.edu/pss/>) at Texas Tech University, Lubbock, TX is seeking a Ph.D. student to begin in August 2022, although an earlier start date may be negotiated. The assistantship provides a 12-month stipend, tuition coverage, and health insurance for three years.

The student will participate in a multi-institutional and multi-disciplinary integrated research program to compare different approaches for irrigation scheduling. The major objective is to develop effective and practically feasible method/s for scheduling irrigation by integrating current ET tools with sensor-based technology. The overall goal of the project is to enhance water productivity in the dominant crop-forage systems in west Texas.

Applicants should have an M.S. degree in agronomy with working experience in irrigation scheduling or water management. Candidates with hands-on experience on integrating sensor-based approaches to schedule irrigation will be preferred. Applicants should be self-motivated and have excellent written and oral communication skills, management and organization skills, and the ability to work both individually and with a diverse team of fellow researchers. A valid U.S. driver license is required for travel to field sites for maintaining trials, testing technology and data collection. The student will be expected to work in field (and laboratory) settings that may involve hot and dry conditions.

Interested students should send application materials and/or questions directly to Dr. Krishna Jagadish (kjagadish.sv@ttu.edu). Application materials must include a CV, a cover letter describing research experience, interests, and qualifications, unofficial transcripts, GRE and TOEFL scores if applicable, and the names and contact information for three references. Application materials should be submitted before April 30, 2022, to be given full consideration.