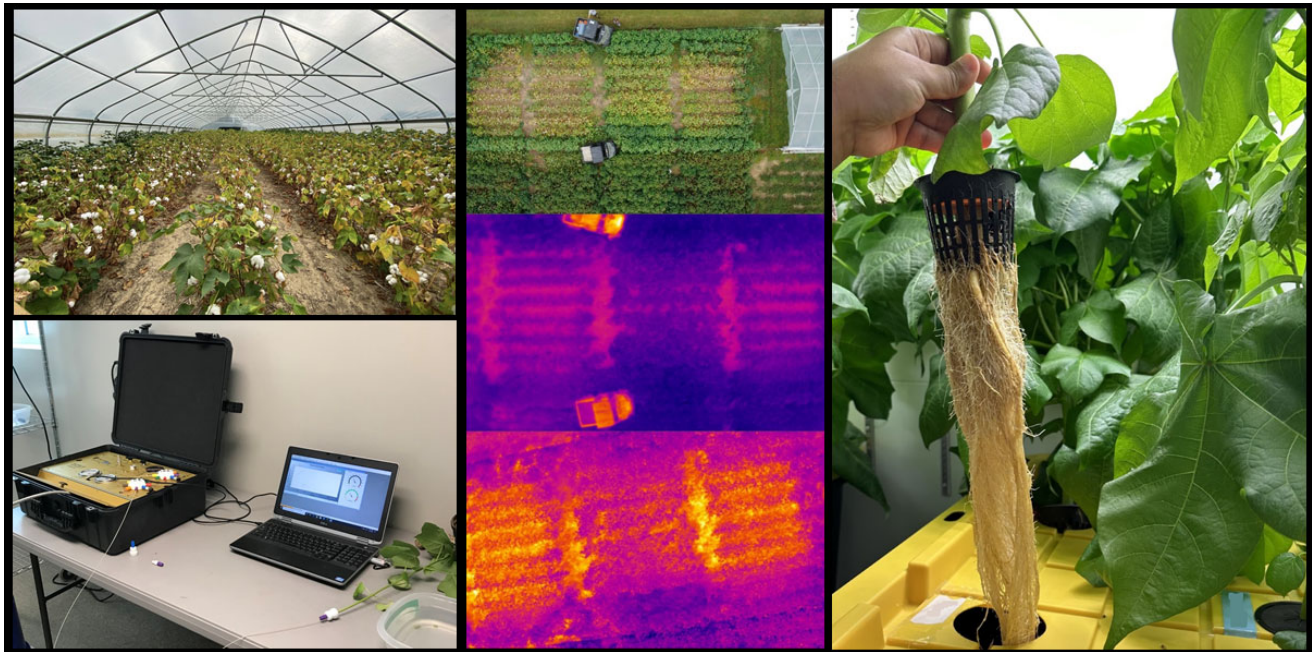


Graduate research assistantship (GRA) (M.S. or Ph.D.)
The Shekoofa Crop Physiology and Water Management Lab
Department of Plant Sciences, University of Tennessee



Field plots and controlled-environment setups at UT's
West Tennessee Research and Education Center in Jackson, TN

Location: West Tennessee Research and Education Center-Jackson, TN with coursework undertaken at main campus in Knoxville, TN

Responsibilities: The University of Tennessee is seeking a graduate (M.S. or Ph.D.) student to conduct research that integrates crop physiology and precision agriculture aspects. The primary project focus will be on the cotton physiology. Our team at UT seeks a motivated, enthusiastic, and intellectually curious individual to work in controlled (greenhouse) and field environments. Experiments will be designed to improve cotton production and help growers to select new and old cotton cultivars on their operations under varying environmental conditions. The successful applicant in this position will be expected to work with different precision technologies including soil water and environmental sensors and logger systems, unmanned aerial systems, spatial data management and data analysis software packages. Opportunities for teaching, outreach, and travel to professional meetings will be available.

Students in Plant Sciences at the University of Tennessee are expected to understand and be ethical in the conduct of their research. The successful candidate will have:

- a B.S. (or M.S. for Ph.D.) degree in agronomy, plant science, agricultural engineering, or closely related field
- strong writing skills
- strong oral communication skills and ability to work with a diverse group of faculty, staff, and students to conduct field and controlled environment (greenhouse and laboratory) research.
- manuscripts prepared for publication and/or published research findings in peer-reviewed journals and extension publications

Interested applicants should be prepared to share their intellectual curiosity and demonstrate their motivation and desire to learn on-the-job. Additional highly desirable qualifications that applicants can address in the letter of interest include experience in row crops, strong organizational skills, ability and self-motivation to work independently while accomplishing high quality tasks in a timely fashion.

Closing Date: Screening of applicants will begin immediately and continue until filled. Domestic applicants may have the opportunity to begin in Summer 2023 hourly employment prior to Fall 2023 semester

enrollment. International applicants may begin as early as possible, depending on when complete applications are received.

Contact: Please contact Dr. Avat Shekoofa (ashekoof@utk.edu) if interested in this opportunity. Applicants will need to prepare a letter of interest, C.V. and contact information for three references that will be a part of their online application. Information about acceptance into the graduate school at the University of Tennessee can be found at: www.gradschool.utk.edu

The University of Tennessee is a land grant university with an enrollment of over 27,800. The Plant Sciences Department is located on the Agricultural Campus with lab facilities, greenhouse space, and nearby field space to support active production research. The University of Tennessee also has ten research and education centers which facilitate statewide agricultural research. **Knoxville, Tennessee** is a vibrant community, with a population of approximately 183,270. This community boasts a thriving music and arts scene, along with plenty of opportunities for outdoor adventures in the nearby Great Smoky Mountains National Park.

Useful web sites to learn more about the University of Tennessee and the city of Knoxville:

The University of Tennessee: www.utk.edu

Department of Plant Sciences: www.plantsciences.utk.edu

UT Agronomic Variety Trials: www.varietytrials.tennessee.edu

UT Crops: www.utcrops.com