

PhD STUDENT – COTTON ECOPHYSIOLOGY

Project: A PhD student position is available in Sanz's Lab (<http://cses.auburn.edu/alvaro-sanz-saez/>) to 1) investigate cotton root architecture and physiological traits related with yield in a historical collection of cotton and 2) participate in the establishment of high throughput phenotypic techniques using hyperspectral reflectance technology.

Location: Auburn University, Auburn. Alabama

Skill acquisition and responsibilities: The successful applicant will join an interdisciplinary team of researchers investigating, whole-plant physiology, ecosystem services, genetics, and genomics of plant adaptation to abiotic stress conditions. The primary skills that the candidate will learn and his/her responsibilities will be to 1) examine root traits and their relation with yield and Nutrient use efficiency, 2) phenotype large numbers of cotton genotypes under field conditions using established approaches, at the same time that develop new approaches related with high-throughput phenotyping.

Qualifications: A recent Bachelor's degree in Crop Science, Agronomy, Plant Breeding, Plant Biology, Plant genetics or related field. A Master Degree in Crop Science, Agronomy, Plant Breeding, Plant Biology, Plant genetics is desired. Demonstrated written and oral skills are essential, and previous experience working in field settings is preferred.

For this position, the candidate needs to comply with the requirements to be accepted in the Graduate Student Program in the Department of Crop Soil and Environmental Sciences:

- GAP: 3.0 or above
- GRE: 290 or above
- English title requirements:
 - ◆ Test of English as a Foreign Language ([TOEFL](#)): 550 pt in the paper version, 213 in the computer version, and 79 in the internet version.
 - ◆ International English Language Testing System (IELTS): 6.5

Start Date: This position will be supported until the student finish her/his PhD degree (4 years). Annual salary: \$20,682. This position is open until the position is filled, but the desired starting date is on January 2020 or before.

Application: Submit a single PDF file that includes 1) cover letter that provides information about research interest and experience; 2) Current CV; contact information of three references to Dr. Alvaro Sanz at sanz@auburn.edu.