

## POSITION ANNOUNCEMENT

### Crop Physiology and Adaptation to Climate Change

Assistant Professor, Department of Crop, Soils, and Environmental Sciences with the University of Arkansas System Division of Agriculture and Dale Bumpers College of Agricultural, Food and Life Sciences (DBC AFLS), University of Arkansas, Fayetteville, AR.

**Description:** The University of Arkansas System Division of Agriculture and the Dale Bumpers College of Agricultural, Food and Life Sciences at the University of Arkansas invite applications for a 12-month, tenure-track position (80% research, 20% teaching) in the area of crop physiology and adaptation to climate change. The position is located at the main campus of the University of Arkansas in Fayetteville.

**Research Responsibilities:** The successful candidate will develop a comprehensive, extramurally-funded research program integrating crop physiology that addresses crop production and management in soybean, corn, rice and other crops important for Arkansas and the Midsouthern US. Possible research emphasis areas include: improving crop resilience to environmental stress, crop modeling, high-throughput phenotyping characterization for improved crop performance and identification of superior genotypes, improved irrigation efficiency and water conservation, and innovative management systems to improve production efficiency. The successful candidate will proactively lead continuing efforts to build strong and multidisciplinary applied research programs. Collaboration with other research and extension faculty members (e.g., plant breeding, agroclimatology and ag-systems modeling, plant genetics, biochemistry, weed science, soil fertility/management) is expected. The successful candidate will publish in peer-reviewed journals, secure extramural research support from a diversity of sources, and have a strong presence in graduate student research and education.

**Teaching Responsibilities:** The individual will teach a graduate course CSES 5013 *Crop Physiology* and develop an undergraduate course to educate students on the fundamental aspects of plant and crop physiology. Additional courses may be developed or assigned based on candidate expertise and departmental curriculum need. The successful candidate should have a strong commitment to undergraduate and graduate student education and training as well as participating in departmental activities. Involvement in graduate student education as a committee member and as a major advisor is expected.

**Qualifications:** PhD in Crop Science, Crop Physiology, Agronomy, or a closely-related discipline with demonstrated expertise in applied crop physiology that may include crop modeling, irrigation management, or high throughput phenotyping (by time of hire). Required skills include demonstrated ability to work collaboratively, demonstrated ability to publish research findings in refereed journals, strong communication skills, commitment to undergraduate and graduate education, and a commitment to fostering a diverse, collaborative, and collegial work environment. Flexibility to travel throughout the state is required.

Preferred qualifications include a strong record of academic achievement including peer-reviewed publications, demonstrated ability to obtain extramural funding, and previous teaching experience.

**Salary:** Commensurate with qualifications and experience. This is a full-time, 12-month, tenure-track appointment.

**Department:** The Department of Crop, Soil, and Environmental Sciences is one of eight academic departments in DBCAFLS and the University of Arkansas System Division of Agriculture, along with the School of Human Environmental Sciences. Resident instruction is provided by 16 faculty members at the Fayetteville campus with approximately 140 undergraduate majors and 60 graduate students. An additional 12 Research and Extension faculty serve clientele at various Research and Extension Centers strategically located around the state. The Department offers Bachelor's degrees in Crop Science and Environmental, Soil, and Water Sciences along with Master's and Doctoral degrees. The department is in the process of hiring several new faculty members and the incumbent will join an energetic and collaborative cohort of assistant professors. More information regarding the Department of Crop, Soil, and Environmental Sciences, and the University of Arkansas can be obtained by visiting the website: <https://cses.uark.edu>

The University of Arkansas main campus is located in Fayetteville, AR, which has been included among the top ten places to live for the past seven years by US News and World Report. Amenities of Northwest Arkansas include an active and vibrant cultural scene including numerous music venues and world class art museums. Opportunities for outdoor recreation abound and the area boasts an extensive trail system for hiking and biking.

**Application:** Applicants should submit the following: 1) Letter of application including a summary of relevant experiences and accomplishments; 2) A vision statement regarding your goals in research and teaching for this position; 3) A detailed vitae including a list of publications, grant proposals written, and a summary of research and teaching activities; 4) Official academic transcripts; and 5) List of three references with mailing and e-mail addresses and phone numbers. Applications should be submitted electronically at [https://uasys.wd5.myworkdayjobs.com/en-US/UASYS/details/Assistant-Professor-Crop-Physiology-and-Adaptation-to-Climate-Change\\_R0021290?q=crop%20physiology&locations=17a66cdad98201f7890cfb48ca00e249](https://uasys.wd5.myworkdayjobs.com/en-US/UASYS/details/Assistant-Professor-Crop-Physiology-and-Adaptation-to-Climate-Change_R0021290?q=crop%20physiology&locations=17a66cdad98201f7890cfb48ca00e249)

Questions regarding applications or the position should be directed to Dr. Larry Purcell, search committee chair [lpurcell@uark.edu](mailto:lpurcell@uark.edu)

**Deadline:** Screening of applicants will begin October 15, 2022 and will continue until a qualified candidate is identified.

*The University of Arkansas System Division of Agriculture offers all its Extension and Research programs and services without regard to race, color, sex, gender identity, sexual orientation, national origin, religion, age, disability, marital or veteran status, genetic information, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.*