

M.S. Assistantship: Evaluation of Long-Term Basal Area Growth of Shortleaf Pine Tree

College of Forestry, Agriculture and Natural Resources, University of Arkansas at Monticello

The College of Forestry, Agriculture & Natural Resources at the University of Arkansas at Monticello is seeking applicants for a M.S. Assistantship available beginning August 16, 2021. The assistantship is half time and carries an annual stipend of \$15,000 plus tuition.

Project: An assistantship is available for a self-motivated M.S. graduate student in the area of Forest Tree Growth and Yield Modeling. The assistantship is available for 24 months beginning in the Fall of 2021. This research project aims to evaluate variation in annual and periodic basal area growth of Shortleaf pine at an individual tree and stand-level due to base experimental design. The student will conduct quantitative research using long-term data collected from permanent research plots. These research plots were established in the Ozark and Ouachita National Forest in 1985-87 to monitor individual shortleaf pine tree growth and yield and have been repeatedly measured. Candidates having experience in forest inventory, forestry data collection and management, forest growth and yield calculation, and knowledge of statistical methods and computing tools is highly desirable. It is expected that the applicant will have an undergraduate (BS) in forestry, forest science, or natural resource management. This research project requires strong quantitative and analytical skills, so students motivated to learn statistical methods and programming (R) skills are highly encouraged. Over-night travel and outdoor work under various climates might be needed.

Requirements: Applicants must have a 2.7 overall undergraduate GPA or 3.0 GPA in the last 60 semester hours of undergraduate courses and satisfactory GRE scores. A B.S. degree in a natural resources-related field is also required. Applicants must have a valid U.S. driver's license or obtain the same within 60 days of starting employment. Overnight travel is required as well as the ability to work outdoors in all weather conditions.

Location and Facilities: The College of Forestry, Agriculture & Natural Resources is located in Monticello, Arkansas in the southeastern portion of the state. The Arkansas Forest Resources Center is also headquartered here, and is administered by the University of Arkansas System Division of Agriculture. The Arkansas Forest Resources Center is the research and extension arm for forest-based programs within the State. Additionally, the USFS Arkansas Forestry Sciences Lab is located at the School. The School and Center maintain several state-of-the-art laboratories (hydrology, soil, quantitative analysis, silviculture, wildlife ecology & management) available for graduate research and education.

Application & Additional Information: Graduate program and application information can be found at <https://www.uamont.edu/academics/CFANR/grad-degrees.html>. Applicants must be admitted to the University of Arkansas at Monticello and apply to the College of Forestry, Agriculture & Natural Resources before they can be considered for an assistantship. Applicants must submit all GRE scores, official transcripts, a statement of interests, and three letters of recommendation. Please indicate the position number above on all application materials and inquiries. For additional information, please contact:

Contact, Pradip Saud, saud@uamont.edu 870/460-1642.

The position is available until a qualified applicant is selected.
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