



Position #2020-007

M.S. Assistantship: Tree root dormancy regulation in Green Tree Reservoirs

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 January 2, 2021. The assistantship is half time and carries an annual stipend of \$15,000 plus tuition.

Project: Green tree reservoirs (GTRs), wetland forests with human-controlled hydroperiods, are in widespread use to provide a variety of ecosystem services, including habitat for migratory waterfowl. Oak species are key components of these ecosystems, but are threatened by current management practices. Crucial information is needed in order to develop sustainable management practices for GTRs. The MS student's thesis research will include a combination of field and controlled environment studies to better understand the interactive effects of temperature, flood, and dormancy on oak root physiology. Studies will answer questions that are not only key to improving GTR management, but also invaluable for restoration of bottomland hardwood forests with natural hydroperiods. The successful candidate will have the opportunity to learn relevant physiological techniques, and to work with representatives from state and federal conservation agencies to develop scientifically informed management recommendations for GTR forests.

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 <http://www.uamont.edu/academics/forestry/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 Dr. Benjamin Babst, babst@uamont.edu, 870-460-1348.

The position is available until a qualified applicant is selected.
UAM is an Affirmative Action / Equal Opportunity Employer