

Fall 2021/Spring 2022

Climate Smart Forestry Fellow – Ph.D. Research Assistantship

Position Description:

The Climate Smart Forestry (CSF) program at the University of Tennessee is now accepting applications for a 3-year Ph.D. research assistantship under the supervision of Dr. Sheng-I Yang and Dr. David Buckley. The CSF program is a collaborative project between the University of Tennessee Institute of Agriculture and Tennessee chapter of the Nature Conservancy developed to provide important information for enhancing sustainable forest management and environmental conservation under a changing climate. The primary research objectives for this position include: (1) analyzing relationships between biotic and abiotic variables across various site and management conditions in Tennessee forests; (2) identifying key variables that affect forest carbon pools in Tennessee forests, and (3) providing metrics to assess forest carbon storage potential for a given site or management regime. The incumbent will collaborate with the faculty and students in the Working Woodlands Research Group in the Department of Forestry, Wildlife and Fisheries within the University of Tennessee Institute of Agriculture. The incumbent will be responsible for presenting research results at professional meetings, publishing relevant work in peer-reviewed journals, and assisting in undergraduate education and outreach related to this project.

The incumbent can start in fall 2021 or spring 2022. This assistantship pays \$2,000/month (USD) and covers health insurance and tuition for 3 years.

Qualifications:

An M.S. degree in forestry, natural resources, ecology, environmental science, statistics, or a related field is required. A B.S. degree in forestry or ecology is preferred. A strong knowledge of inferential statistics and data analytics and experience in computer programming, statistical analysis or data management are essential. Strong written and oral communication skills in English and self-motivation, perseverance, and the ability to work independently and collaboratively are important.

How to apply:

Interested candidates should email the following material to Dr. Sheng-I Yang (syang47@utk.edu):

- (1) A description of the candidate's academic experience, research interests and career goals.
- (2) A curriculum vitae (CV) with contact information for three professional references.
- (3) A copy of unofficial undergraduate and graduate transcripts.
- (4) A copy of an unofficial GRE transcript if the GRE has already been taken.
- (5) One or two examples of key research publications.

Applications will be accepted and reviewed until the position is filled.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment and admission without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, genetic information, veteran status, and parental status.
