AUBURN UNIVERSITY

College of Forestry,
Wildlife and Environment

602 Duncan Drive
Auburn, AL 36849-0000
P: 334-844-1004
F: 334-844-1084

cfwe.auburn.edu

Graduate Research Assistant (Master/Ph.D. Position)

Job Description:

A graduate research assistantship is available for a Master/Ph.D. student in the College of Forestry, Wildlife and Environment at Auburn University starting in Fall 2023. The successful candidate will be working on manufacturing biochar from downed timber to remove heavy metals in industrial wastewater. Optimization of the biochar manufacturing processes using biomass will be the focus. The efficiency in removing heavy metals in wastewater using biochar will be the determining factor for optimization. This position will be funded during the study period (two years for a Master's student and three years for a Ph.D. student) with an assistantship and a tuition waiver. The candidate will have an opportunity to work with experts from different institutions and research centers and learn from faculty members with a broad range of expertise.

Minimum Qualifications:

- Bachelor's/master's degree in Wood Science, Forest products, Materials Science and Engineering, Polymer Science, or other closely related disciplines relevant to the topics of study
- Be able to maintain good academic standing and is willing to take ownership of research projects
- A highly motivated individual can work in a team and independently
- Be able to think critically about innovative research and analyze the experimental data in detail
- Be able to publish scientific journal articles with high-impact factors
- Excellent English communication and written skills
- International students should provide TOEFL scores meeting the Graduate School requirements (http://graduate.auburn.edu/prospective-students/general-admission-requirements/)

Desired Qualifications:

Previous experience with biochar, activated carbon, porous materials, thermal conversion of biomass, or heavy metal adsorption.

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Instructions to Applicants: Interested candidates should apply through the graduate school of Auburn University (http://graduate.auburn.edu/prospective-students/application-instructions/). Making prior contact is strongly encouraged. Please send a copy of your CV, transcripts, and TOEFL scores to Dr. Yucheng Peng at yzp0027@auburn.edu. The review of the applications will start immediately until the position is filled.

Auburn University is an EEO/Vet/Disability Employer and committed to building an inclusive and diverse community.