

Position Description: Postdoctoral Fellow

Job Description:

The College of Forestry, Wildlife and Environment at Auburn University is seeking a qualified individual for a postdoctoral Fellow in biochar manufacturing to work on producing and characterizing biochar from downed timber in Auburn, Alabama. The primary focus of this position is to develop biochar from downed timber for heavy metal removal used in industrial wastewater. Characterization and optimization of the biomass pyrolysis processes to generate biochar with maximized heavy metal removal efficiency will comprise the position's primary responsibilities. This is a 12-month, limited-term non-tenure track position and is funded by external sources for up to two years. Continued employment is contingent on the availability of funding and satisfactory performance.

Minimum Qualifications:

Candidates must possess a Ph.D. or equivalent degree in wood science, forest products, biomaterials, environmental science, chemical engineering, materials science and engineering, or a closely related field at the time appointment begins. The successful applicant will demonstrate commitment to the timely completion of deliverables, commitment to the publication of results in peer-reviewed journals, and strong potential to work collaboratively with multiple stakeholders on a highly visible research topic. Excellent written and interpersonal communication skills are required.

In addition, the candidate selected for this position must be able to meet eligibility requirements to work in the United States at the time the appointment is scheduled to begin and continue working legally for the proposed term of employment.

Desired Qualifications:

Previous experience with adsorption, biochar, activated carbon, porous materials, heavy metal adsorption, pyrolysis of biomass, structural and mechanical analysis, or durability characterization is desirable.

Special Instructions to Applicants: Applicants should send a letter of interest, Curriculum vitae, names and contact information of three professional references, and transcript (transcript should show conferral of Doctorate degree and date of conferral.) to Dr.



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Yucheng Peng at yzp0027@auburn.edu. Review of applications will begin as soon as possible and continue until the position is filled. Further questions about the position should be addressed to Dr. Yucheng Peng (yzp0027@auburn.edu).

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