

Postdoctoral Fellow – Applied Phycology
Auburn University

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Posted Mar. 6, 2024, set to expire Apr. 4, 2025

Job Title	Postdoctoral Fellow – Applied Phycology
Department	Biosystems Engineering
Institution	Auburn University Auburn, Alabama
Date Posted	Mar. 6, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Botany Biosystems Engineering Agronomy/Plant & Soil Sciences
Job Website	https://www.auemployment.com/postings/43937

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Job Description

The Algae Systems and Ecological Engineering Lab of Dr. David Blersch, with the Biosystems Engineering Department (<http://www.eng.auburn.edu/bsen/>) at Auburn University is seeking a Postdoctoral Fellow to conduct research on applied phycology for nutrient recovery from wastewater streams. The appointment is for a period of two years. The position is a 12-month, benefits eligible, non-tenure accruing position and is immediately available. The preferred starting date is June of 2024.

The candidate will lead the investigation in bioprospecting for filamentous algal species in the southeastern U.S. useful for cultivating at-scale for nutrient remediation and biomass production in wastewaters. The project goal is to identify candidate warm-water species of attached filamentous algae strains from selected watersheds in the southeastern U.S. states, especially Alabama and Georgia, and investigate their response to temperature, flow rate, and nutrient concentration in unialgal and mixed cultures in the laboratory. The research position is funded by a U.S. Department of Energy

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funding award focused on upscaling of filamentous algae cultivation for biomass production in regional climate conditions. Opportunities exist for the candidate to design and implement their own research in algae collection and in experiments related to filamentous algae culturing at various scales and in controlled environmental conditions. Contributions to grant proposal and research manuscript writing is expected and encouraged.

The University: Auburn University is a Carnegie R1, land-grant institution organized into twelve academic colleges and schools. Auburn is ranked 47th among public universities in the 2023 U.S. News and World Report. As of 2023, 26,874 undergraduate and 6,141 graduate and professional students were enrolled. There are 1,435 faculty members who offer more than 200 educational programs. The University is nationally recognized for its academic excellence, commitments to community engagement, positive work environment, flourishing student life programs, and beautiful campus. Auburn University is understanding of and sensitive to the family needs of faculty, including dual-career couples. For details, visit the following link:
<http://www.auburn.edu/academic/provost/facultyjobs/>. Resources available to support faculty can be found here: <https://agriculture.auburn.edu/about/faculty-staff-resources/facultysupport/>.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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