



FACULTY POSITION IN BIOSYSTEMS ENGINEERING

Sustainable Bioprocess Engineer

Increasing concern for the current climate crisis, heightened awareness of contaminant release from petroleum-based products that impact ecosystem and human wellbeing, and knowledge of the ecological and health benefits of biobased products/processing motivates biosystems engineers to design sustainable bioprocesses to meet the needs of society within an ecological framework. The practice of genuine sustainable engineering research, design, teaching, and service is required to help solve these major crisis issues.

The Biosystems Engineering program at Clemson University invites applications for a tenure-track faculty position at the Assistant Professor level beginning Fall 2024. The Program is housed within the Department of Environmental Engineering and Earth Sciences in the School of Civil and Environmental Engineering and Earth Sciences.

The successful candidate will have earned a Ph.D. in Biosystems Engineering or a related discipline. The successful candidate is expected to develop an impactful research program in an area of sustainable bioprocessing engineering, including biosystems engineering for food and agriculture, food process engineering, biological carbon sequestration, biorefinery engineering for biofuels/nutraceuticals/biomaterials, renewable/carbon-negative energy, carbon drawdown technologies, biological waste utilization, or bioprocess modeling. The candidate will recruit and advise students in Biosystems Engineering and related programs at the undergraduate (Honors) and graduate (M.S. and Ph.D.) levels in focused research.

The successful candidate is also expected to support a culture of inclusive excellence and belonging; foster a vibrant teaching portfolio in Biosystems Engineering courses at the undergraduate and graduate levels; and engage and prepare students for successful and impactful careers in industry, government, or academia. Participation in activities that promote the Biosystems Engineering discipline will be encouraged.

Excellent opportunities exist for research and teaching collaboration with colleagues in the Program, Department, School and University. Information is available at:

www.clemson.edu/be.html, www.clemson.edu/ees.html and www.clemson.edu/cees.html.

Applications received by November 6, 2023 will receive full consideration, with the review process continuing until the position is filled. Applicants should submit: 1) cover letter; 2) curriculum vitae; 3) statement of research interests; 4) statement of teaching interests/philosophy; 5) statement of inclusive excellence philosophy and execution; and 6) contact information for five references. All application materials must be submitted via Interfolio:

<https://apply.interfolio.com/132825>

or <http://www.clemson.edu/employment/FacultyCareers/positions.html>.

Please contact the Search Committee Chair, Dr. Caye Drapcho (cdrapch@clemson.edu) or Department Chair, Dr. David L. Freedman (dfreedm@clemson.edu) for further information if needed.

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