

Professor (all ranks) in Algae Biotechnology and
Bioprocess Engineering
Arizona State University at the Tempe Campus or
Polytechnic Campus

Direct Link: <https://www.AcademicKeys.com/r?job=251338>

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Posted Jan. 9, 2025, set to expire May 13, 2025

Job Title	Professor (all ranks) in Algae Biotechnology and Bioprocess Engineering
Department	School of Sustainable Engineering and the Built Environment
Institution	Arizona State University at the Tempe Campus or Polytechnic Campus Tempe, Arizona
Date Posted	Jan. 9, 2025
Application Deadline	Feb. 15, 2025
Position Start Date	Available immediately
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Ecological and Environmental Bioengineering (all Bio-related fields) Engineering - Other
Job Website	http://apply.interfolio.com/161592
Apply Online Here	https://hiring.engineering.asu.edu
Apply By Email	
Job Description	

The Ira A. Fulton Schools of Engineering (FSE) at Arizona State University (ASU) and the School of Sustainable Engineering and the Built Environment (SSEBE) seek applicants for a tenure-track or

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tenured faculty position in the area of Algae Biotechnology and Bioprocess Engineering. SSEBE, which is one of the eight Fulton Schools of Engineering, houses a vibrant environmental, sustainable and bio-inspired engineering research community (learn more at <https://research.engineering.asu.edu/>). We seek applicants who complement our strengths in these areas to solve grand challenges as part of a community of experts.

Successful applicants will have an affiliation with the Arizona Center for Algae Technology and Innovation (AzCATI) laboratories and outdoor cultivation testbed located at the ASU Polytechnic Campus. AzCATI is a major ASU asset closely affiliated with SSEBE. As AzCATI enters its fifteenth year of existence, we are seeking candidates who will expand the vision and mission of AzCATI to realize the potential for algae biotechnology to produce renewable energy, food, feed and other valuable products, while performing environmental restoration and resource recovery for a more sustainable future. Applicants with expertise and visionary ideas in bioprocess engineering with a focus on systems engineering (harvesting, fractionation, and purification), green bio-manufacturing, and development of full-spectrum products and co-products from building materials to pharmaceuticals, are particularly encouraged to apply.

We seek applicants who will contribute to our academic programs, promote transdisciplinary teaching and research, and help the University to achieve its aspirations, including enabling student success, transforming society, valuing entrepreneurship, and conducting use-inspired research. Faculty members in the Fulton Schools are expected to develop an internationally recognized and externally funded research program, adopt effective pedagogical practices in the development and delivery of in-person and online graduate and undergraduate courses in their respective disciplinary domains, advise both undergraduate and graduate student research and projects, and undertake service activities.

Successful candidates will support the mission of SSEBE and the Ira A. Fulton Schools of Engineering and are expected to participate in interdisciplinary research and teaching endeavors both within and beyond FSE. SSEBE offers undergraduate and graduate degree programs in Civil, Environmental, Sustainable, and Construction Engineering, and in Construction Management and Technology. The School has 69 faculty members, 1,450 undergraduate and 700 graduate students, and generates annual research expenditures of more than \$32 million.

Appointment will be at an open rank commensurate with the candidate's experience and accomplishments, beginning August 2025, but accommodations can be made for the selected candidate

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Required qualifications:

- Earned doctorate in engineering or life sciences discipline relevant to algae biotechnology or bioprocess engineering by the time of appointment
- Demonstrated evidence of research capability and commitment to teaching excellence, as appropriate to the candidate's rank
- Demonstrated ability to procure sponsored research and generate scholarly articles in the interest areas of the search, as appropriate to the candidate's rank
- Strong written and oral communication skills

Desired qualifications:

- Demonstrated commitment to a collaborative, transdisciplinary approach to research and teaching

For associate and full professor candidates:

- Demonstrated record of securing external funding for research programs
- Demonstrated record of excellence in teaching that incorporates active learning

Application Instructions

Review of applications will commence February 15, 2025 and applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled. To apply, visit <https://hiring.engineering.asu.edu/> and select "apply now" next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:

- Cover letter
- Curriculum Vitae
- Statement describing research interests and experience/expertise (two pages maximum)
- Statement describing teaching interests, philosophy, and experience/expertise (two pages maximum)
- Contact information for a minimum of three references

The ASU Charter states, "ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves." The Fulton Schools of Engineering are dedicated to cultivating

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excellence, delivering innovation that matters, encouraging bold thinking, fostering a community of learning and collaboration, and building a foundation for all to be successful. Applicants are encouraged to address how their past, current, and future activities align with the ASU Charter and Fulton Schools of Engineering Values in their application materials.

For more information or questions about this position, please contact the search committee chair, Professor Peter Lammers at Peter.Lammers@asu.edu.

EEO/AA Policy

Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

See <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX>.

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf>. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Contact Information

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

Contact Kerran Armstrong
School of Sustainable Engineering and the Built Environment
School of Sustainable Engineering and the Built Environment
PO Box 873005

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Phone Number 4809651713
Contact E-mail kerran.armstrong@asu.edu