Assistant Professor of Food and Bioprocess Engineering

**Position:** Assistant Professor position at Purdue University with research and teaching responsibilities related to bioprocess engineering as applied to food, pharmaceutical, and/or biological-based products. The successful candidate will join the faculty in the Department of Agricultural and Biological Engineering on the main campus of Purdue University in West Lafayette, Indiana.

**Qualifications:** A BS and Ph.D. in Engineering or closely related field is required. The ideal candidate will have a strong commitment to lead a novel research program in the engineering of food, pharmaceutical, and/or biological-based products and processes. Skills related to effective teaching, communication, and problem solving as well as the ability to work in multidisciplinary teams are required. Applicants should have proven research experience beyond the Ph.D. and articulate how their developed research program will integrate with or facilitate collaborative interactions within and beyond the department.

**Responsibilities:** The successful candidate will be expected to develop a nationally recognized research program in the development of food, pharmaceutical, and/or biological-based products and processes. The research may address all aspects of the science of food and biological systems pertaining to experimental areas of product characterization and process analysis such as rheology, texture, 3D printing of food and other biomaterials, extrusion, food safety, novel methods of microbial deactivation, food microbiome, fermentation, plant-based and cultured foods, etc. and also pertaining to computational areas such as AI, modeling, optimization, control, or simulation of batch and continuous food and biological processes. The candidate will be expected to secure extramural research funding, to develop collaborative research projects, and to directly support the educational mission of the biological engineering program. The candidate will be expected to advise graduate and undergraduate students, to teach both undergraduate and graduate-level engineering courses (e.g. mass/energy balances, thermodynamics, chemical/biochemical reaction engineering, transport phenomena, or process design and control), to engage in departmental, college and university-level service activities, and to participate in national and international professional activities.

**The Colleges:** The Department is part of the Colleges of Engineering and Agriculture at Purdue University that are deeply committed to the three land-grant missions (teaching, research, and extension), to international activities and perspectives that span all missions, and to supporting a diverse and inclusive environment focused on excellence. The College of Agriculture is one of the world’s leading colleges of agricultural, food, life, and natural resource sciences and ranked #7 in the US in the 2021 QS World University Rankings. The College of Agriculture has 11 academic departments and includes 285 faculty, 2,791 undergraduate students, and 769 graduate students. The College of Engineering is one of the world’s leading colleges of engineering with undergraduate programs ranked #7 and graduate programs ranked number #9 by US News &World Report. The College of Engineering has 13 academic units, 464 faculty, 10,046 undergraduate students, and 3,927 graduate students. The College of Engineering goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting Purdue Engineering Initiatives [PEI's], and facilities. The Colleges’ strategic plans can be accessed at [https://ag.purdue.edu/plan](https://ag.purdue.edu/plan) and [https://engineering.purdue.edu/Engr/AboutUs/StrategicPlan/2009-2014](https://engineering.purdue.edu/Engr/AboutUs/StrategicPlan/2009-2014).

Purdue’s main campus is located in West Lafayette Indiana, a welcoming and diverse community with a wide variety of cultural activities and events, and industries. Purdue and the College of Engineering have a Concierge Program to assist new faculty and their partners regarding dual career needs and facilitate their relocation. Purdue is an ADVANCE institution [http://www.purdue.edu/advance-purdue/](http://www.purdue.edu/advance-purdue/). Purdue University’s Department of Agricultural & Biological Engineering is committed to advancing diversity in all areas of faculty effort including scholarship, instruction, and engagement. Candidates should address at least one of these areas in a separate Diversity and Inclusion Statement, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.
Opportunities for Collaboration: Numerous opportunities for collaborations throughout Purdue University exist. Collaborators will likely be found through Discovery Park, the Laboratory of Renewable Resources Engineering, the Purdue Plant Science Initiative and the Whistler Center for Carbohydrate Research. Collaborations may also be found in the NIIMBL and BioMade where Purdue is an institutional member.

Appointment and Salary: Assistant Professor (9-month appointment; tenure-track). Salary commensurate with qualifications and experience. A background check will be required for employment in this position.

Application Deadline: Review of applications will begin December 1, 2021, and continue until the position is filled.

Application: Letter of interest, resume, official academic transcripts, statement of diversity, teaching, and research philosophies, and names, addresses and phone numbers of three references. All materials must be combined into one pdf and submitted electronically via: https://careers.purdue.edu/go/West-Lafayette-Faculty/7721600. Or: https://career8.successfactors.com/sfcareer/jobreqcareer?jobId=16395&company=purdueuniv. A background check is required for employment in this position.

CONTACT: Address inquiries to: Dr. Martin Okos, Search Committee Chair; Email: abejob@ecn.purdue.edu or phone (765) 494-1211. For additional information see http://www.purdue.edu/ABE.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.