



**POSITION ANNOUNCEMENT # 0001-3027  
REQUISITION # 507782**

**Title:** Assistant Professor in Sustainable Food Systems Engineering  
**Location:** Agricultural & Biological Engineering (ABE)  
Institute of Food and Agricultural Sciences (IFAS)  
University of Florida, Gainesville, Florida

**Salary:** Commensurate with Qualifications and Experience

**Review Date:** For full consideration, candidates should apply and submit additional materials by September 15, 2018. The position will open until a viable applicant pool is determined.

**Duties and Responsibilities**

This is a 9-month tenure-accruing position that will be 40% research and 60% teaching in the Agricultural and Biological Engineering Department (ABE), Institute of Food and Sciences (IFAS). This assignment may change in accordance with the needs of the unit.

The food market is consumer-driven, and dynamic engineering solutions are required that meet current needs without impacting human and environmental health at all scales. The next generation of food engineers must shift from a singular focus on mass production to a new paradigm focused on convergent advances in technology, consumer needs, and the human-artificial intelligence (AI) interface. State of the art food engineering research programs should balance federal/industrial funding with the aim of enhancing technology translation for enhancing food security/sovereignty.

The faculty member in this position will be responsible for building a research and teaching program that addresses engineering issues at the forefront of food systems. Food security and sovereignty are dynamic pillars of food systems, and this position will train future professionals and develop state of the art engineering solutions on complex problems at the food/energy/water/climate nexus. Candidates should have demonstrated knowledge and expertise in food systems and a strong background in food engineering, biological engineering, or a related discipline. Applicants should demonstrate how their proposed research/teaching program can train a new workforce focused on convergence of technology, consumer needs, the human-AI interface, and/or other emerging frontiers.

The successful candidate is expected to create an innovative teaching and research program that addresses at least one of the following areas: food process engineering, nutrigenomics, food nanotechnology, precision nutrition, shelf-life and safety of food products, or food/energy/water system nexus issues. Candidates will apply engineering principles to understand the impact of processes on

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structural-functional changes in foods or food ingredients and explore new technologies that enhance food quality, preserve nutrients and ensure food safety. Successful applicants will direct graduate student research, establish a strong publication record, attract federal and industrial extramural funding, participate in multidisciplinary teams, and work with industry to develop new partnerships that enhance technology translation. The ability to collaborate in multidisciplinary teams associated with existing departments such as UF/IFAS Food Science and Human Nutrition, and institutes such as the Institute for Sustainable Food Systems (ISFS), Multi-Functional Integrated System Technology (MIST), or other existing research institutes within the University of Florida is expected.

Because of the IFAS land-grant mission, all faculty are expected to be supportive of and engaged in all three mission areas—Research, Teaching and Extension—regardless of the assignment split specified in the position description.

### **Qualifications**

**Required:** A Ph.D. (doctorate foreign equivalent is acceptable) in Food Engineering, Agricultural and Biological Engineering, or closely related engineering field is required. Demonstrated knowledge and expertise in food engineering, food science, chemistry, microbiology, food engineering or related engineering field is also required. Skills and experience teaching engineering curriculum are greatly desired. The ability to work effectively in an interdisciplinary manner with faculty from departments outside the incumbent's home academic unit is essential. Candidates should have demonstrated skills in verbal and written communication, interpersonal relationships, procurement of extramural funding and publishing. Candidates must be supportive of the mission of the Land-Grant system. Candidates must also have a commitment to IFAS core values of excellence, diversity, global involvement, and accountability.

**Preferred:** Knowledge and experience with new trends and techniques are desirable. Postdoctoral and other professional experience including teaching experience are highly desirable. Experience or familiarity with international research/teaching activities are of particular importance.

Direct graduate student research, establish a publication record, attract extramural funding and participate in multidisciplinary teams.

The position is expected to provide appropriate levels of service to the department, college, university and/or discipline. Specific expectations are described in department, college and university policy statements regarding evaluation and promotion.

### **Background Information:**

The University of Florida (<http://www.ufl.edu>) is a Land-Grant, Sea-Grant, and Space-Grant institution, encompassing virtually all academic and professional disciplines, with an enrollment of more than 53,000 students. UF is a member of The Association of American Universities. The Institute of Food and Agricultural Sciences (<http://ifas.ufl.edu>) includes the College of Agricultural and Life Sciences (<http://cals.ufl.edu>), the Florida Agricultural Experiment Station (<http://research.ifas.ufl.edu>), the Florida Cooperative Extension Service (<http://extension.ifas.ufl.edu>), the College of Veterinary Medicine (<http://www.vetmed.ufl.edu>), the Florida Sea Grant program (<http://www.flseagrant.org/>), and

encompasses 16 on-campus academic departments and schools, 12 Research and Educational Centers (REC) located throughout the state, 6 Research sites/demonstration units administered by RECs or academic departments, and Florida Cooperative Extension Service offices in all 67 counties (counties operate and maintain). The School of Natural Resources and Environment is an interdisciplinary unit housed in IFAS and managed by several colleges on campus. IFAS employs over 2500 people, which includes approximately 900 faculty and 1200 support personnel located in Gainesville and throughout the state. IFAS, one of the nation's largest agricultural and natural resources research and education organizations, is administered by a Senior Vice President and four deans: the Dean of the College of Agricultural and Life Sciences, the Dean for Extension and Director of the Florida Cooperative Extension Service, the Dean for Research and Director of the Florida Agricultural Experiment Station, and the Dean for the College of Veterinary Medicine. UF/IFAS also engages in cooperative work with Florida A&M University in Tallahassee.

More information about the ABE Department can be found at <https://abe.ufl.edu/>. The UF/IFAS ABE Department is ranked 4<sup>th</sup> in graduate programs and 6<sup>th</sup> in undergraduate programs by US News & World Report. The program offers undergraduate and graduate degrees in both the HWCOE and CALS and minors in Precision Agriculture and Packing Science.

### **Employment Conditions**

This position is available September 21, 2018, will be filled as soon thereafter as an acceptable applicant is available. Compensation is commensurate with the education, experience, and qualifications of the selected applicant.

### **Nominations**

Nominations are welcome. Nominations need to include the complete name and address of the nominee. This information should be sent to:

Please refer to Requisition # 507782  
Dr. Ray Huffaker  
Chair, Search and Screen Committee  
University of Florida  
Agricultural and Biological Engineering Department  
PO Box 110570  
Gainesville, FL 32611-0940

Telephone: 352-392-1864  
Facsimile: 352-392-4092  
Electronic Mail: [rhuffaker@ufl.edu](mailto:rhuffaker@ufl.edu)

### **Application Information**

- Individuals wishing to apply should go online to <http://explore.jobs.ufl.edu/cw/en-us/job/507782> and submit:

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- Application
- Cover letter that states applicant's interest in the position and qualifications relative to the credentials listed above
- Curriculum vitae
- Contact information for three references willing to write letters of recommendation

Final candidate will be required to provide official transcript to the hiring department upon hire. A transcript will not be considered "official" if a designation of "Issued to Student" is visible. Degrees earned from an education institution outside of the United States are required to be evaluated by a professional credentialing service provider approved by National Association of Credential Evaluation Services (NACES), which can be found at <http://www.naces.org/> .

*The University of Florida is an Equal Opportunity Institution dedicated to building a broadly diverse and inclusive faculty and staff. The selection process will be conducted in accord with the provisions of Florida's 'Government in the Sunshine' and Public Records Laws. Persons with disabilities have the right to request and receive reasonable accommodation.*