

ASSISTANT, ASSOCIATE, AND FULL PROFESSORS IN FOOD SUSTAINABILITY

University of Missouri-Columbia

In the next 35 years, we will need to find ways to provide abundant, nutritious, high quality food to a world population that is expected to grow to more than 9 billion people. Research at the nexus of basic and applied areas of science and engineering is needed to improve the sustainable production, distribution, and accessibility of food in the presence of a number of severe challenges. For instance, agriculture must become more environmentally sustainable and resilient to climate change; distribution networks must become more efficient, responsive, and flexible; and policy must discover social and economic paradigms that simultaneously optimize environmental stewardship, nutrition, economic opportunity, and social diligence and empowerment.

The heart of engineering is the design, implementation, and optimization of systems that solve these types of complex problems. The College of Engineering at the University of Missouri seeks faculty who are committed to addressing the complex issues of food sustainability from innovative perspectives and who can bring creative thinking and techniques to areas ranging from:

- molecular biology, phenomics, synthetic biology, and crop, forage, and livestock improvement;
- precision agriculture;
- nutritional quality, functional foods, and foods for health;
- rural economic development;
- urban agriculture and food deserts; and
- food products, production systems, and processing.

Building on our long-standing, interdisciplinary culture, this search process is a collaboration with the other colleges and centers across campus. We expect many of the appointments will be joint with those units, will complement our existing strengths, and will result in the emergence of multiple alignments of people, ideas, and techniques.

This search is part of a broad effort to recruit up to 50 new faculty in the areas of sustainability (food, energy, water, and smart cities), big data analytics, and innovations in biomedicine. Under the leadership of Dean Elizabeth Lobo, we seek to hire creative, interdisciplinary faculty at the levels of assistant, associate, and full professor to meet our nation's needs in these areas. Successful applicants will have:

- the highest degree in their discipline;
- a record of interdisciplinary research appropriate to the level of the appointment; and
- a clear potential to establish externally funded research programs.

The University of Missouri does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, age, genetics information, disability, or status as a protected veteran. We encourage applications from candidates with diverse backgrounds, academic or otherwise, who are passionate about pursuing research in food sustainability.

Application Materials: Applicants should submit a CV, a research plan, a teaching statement, and a list of three to five professional references as *a single pdf file* to

[https://myhr.umsystem.edu/psp/tamext/COLUM/HRMS/c/HRS_HRAM.HRS_CE.GBL?](https://myhr.umsystem.edu/psp/tamext/COLUM/HRMS/c/HRS_HRAM.HRS_CE.GBL?SiteId=9)

[SiteId=9](https://myhr.umsystem.edu/psp/tamext/COLUM/HRMS/c/HRS_HRAM.HRS_CE.GBL?SiteId=9); choose job ID 21926 under “advanced search” and follow the “apply now” links.

General application information can be found at <http://hrs.missouri.edu/find-a-job/academic/>.

Inquiries can be directed to Professor Toni Kazic, Search Committee Chair, Department of Electrical Engineering and Computer Science, University of Missouri, Columbia, MO 65211.

Phone: (573) 882-1946, Email: KazicT@missouri.edu. Email is preferred; please include the words “food sustainability search” in the subject line.