

Assistant Professor of Food Systems and Sustainability

JOB DESCRIPTION

The Department of Food, Bioprocessing and Nutrition Sciences seeks a highly-qualified candidate for an Assistant Professor position in the area of Food Systems Sustainability. This will be a tenure-track position with an 80% research and 20% teaching appointment. The incumbent will be expected to develop an internationally recognized, multidisciplinary, externally-funded research program in the area of food systems waste and/or sustainability that involves aspects of processing, microbiology, chemistry, and engineering. This includes an expectation to train graduate and undergraduate students via research and internship experiences. Research and teaching could include areas such as, but not limited to:

- Recycling, repurposing, recovery, and commercialization of value-added components in plant, animal, or fermentation-based food waste streams to contribute to a circular economy.
- Food-related waste water quality, wastewater reuse, and minimization of industrial water use.
- Food packaging, biosensor/remote sensing, or omics solutions to prevent, identify, or minimize waste.
- Food processing solutions to minimize material inputs, waste and energy use.
- The use of machine learning or artificial intelligence to maximize efficiency in food processing and storage across the food supply chain via process control, traceability or other means.

Collaborations with departments and programs within CALS, CNR, and COE, such as the Plants for Human Health Institute, the North Carolina Food Innovation Lab, the Center for Advanced Processing and Packaging Studies, the Center for Human Health and the Environment, as well as public- and private-sector stakeholders are encouraged. The successful candidate will be expected to engage in service to the department, college, university, and

profession through participation on committees or taskforces. The incumbent will be expected to develop and teach at least one graduate and/or undergraduate level course per year in the area of sustainable food systems and deliver guest lectures in the food science curriculum.

QUALIFICATIONS

- Ph.D. in Food Science, Biochemistry, Biological or Agricultural Engineering, or related discipline
- Ability to manage multiple priorities and evidence of student or staff mentoring
- Expertise in omics technologies and or data science (*preferred*)
- Experience in processing (*preferred*)
- Evidence of collaboration with food scientists and other stakeholders (*preferred*)
- Post-doctoral and/or industry experience (*preferred*)

APPLICATION PROCEDURE

All applications must be submitted online. Use the following link: <http://jobs.ncsu.edu/postings/150827>

Applicants must attach a CV, a one-page statement of their research plan, a one-page statement of their teaching philosophy and proposed course titles, academic transcripts (undergraduate and graduate), and contact information of three referees using the online link. For further information, please contact:

Dr. Keith Harris

Search Committee Chairman
Department of Food, Bioprocessing and Nutrition Sciences
North Carolina State University
Raleigh, NC 27695-7624
919.830.5447 • gkharris@ncsu.edu

NC State University is an equal opportunity / affirmative action employer. NC State University welcomes all persons without regard to sexual orientation. Individuals with disabilities desiring accommodations in the application process should contact Fred Jimenez at fmjimene@ncsu.edu or 919.513.2061.