

# DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

**Department Website:** <https://foodscience.tamu.edu/>

**Department Head:** Dr. Joseph Awika

**Graduate Advisor:** Evelyn Quinones

The graduate program in Food Science and Technology is administered by the Department of Food Science and Technology, and its graduate faculty membership includes members from Food Science and Technology, Animal Science, Biological and Agricultural Engineering, Horticultural Sciences, Poultry Science, Soil and Crop Sciences, and the Health Science Center.

Graduate training in Food Science and Technology is designed to provide advanced training in the basic sciences, processing technology, and engineering processes related to the production, processing, distribution, or utilization of food. Food science courses are selected to strengthen the primary interest and needs of the graduate student. Courses of study lead to the Master of Agriculture, the Master of Science, and the Doctor of Philosophy degrees.

Faculty research areas include:

1. Cereal science, carbohydrate chemistry, international food and nutrition security research
2. Microbial food safety
3. Food diversity
4. Food safety policy
5. Foods for health and isolation and characterization of bioactivities
6. Harnessing eBeam technology and molecular microbiology to heal, clean, feed
7. Natural compounds in foods and their role in food quality and human health
8. Generation of knowledge and innovative tools for improving health
9. Cellular agriculture and alternative proteins
10. Fermentation processes and precision fermentation

The department's core teaching and research facilities include applied contemporary and novel technologies in food processing, food safety and quality, and sustainability. These facilities include NASA space food preparation and processing, the National Center for Electron Beam Research, a pilot-scale high acid/hot fill processing/bottling line, a modern grain processing and baking, teaching, and demonstration lab, and a food data science analytical multi-user lab.

Questions about the graduate degrees in food science and technology can be directed to the graduate advisor at [evelynquinones@tamu.edu](mailto:evelynquinones@tamu.edu).

## Faculty

Awika, Joseph, Professor  
Food Science and Technology  
PHD, Texas A&M University, 2003

Castillo, Alejandro, Associate Professor  
Food Science and Technology  
PHD, Texas A&M University, 1998

Creasy, Rebecca, Instructional Assistant Professor  
Food Science and Technology  
PHD, University of Florida, 2013

Ku, Seockmo, Assistant Professor  
Food Science and Technology  
PHD, Purdue University, 2015

Murano, Elsa, Professor  
Food Science and Technology  
PHD, Virginia Tech, 1990

Ovissipour, Reza, Assistant Professor  
Food Science and Technology  
PHD, Washington State University, 2017  
PHD, Tarbiat Modares University, 2010

Pillai, Suresh, Professor  
Food Science and Technology  
PHD, University of Arizona, 1989

Riaz, Mian, Instructional Associate Professor  
Food Science and Technology  
PHD, The University of Maine, 1992

Talcott, Stephen, Professor  
Food Science and Technology  
PHD, University of Arkansas, 2000

Talcott, Susanne, Professor  
Food Science and Technology  
PHD, University of Florida, 2004

## Masters

- Master of Agriculture in Food Science and Technology (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/food-science-and-technology/magr/>)
- Master of Science in Food Science and Technology (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/food-science-and-technology/food-science-technology-ms/>)

## Doctoral

- Doctor of Philosophy in Food Science and Technology (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/food-science-and-technology/food-science-technology-phd/>)