DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

FOOD SAFETY

UNIVERSITY OF NEBRASKA–LINCOLN

DR. ANDRÉIA BIANCHINI
foodsci.unl.edu/bianchini

Applied research on the evaluation of ingredients, assessment of processes, and development of strategies to reduce/prevent contamination of final products with mycotoxins and bacterial pathogens. The development of quality control mechanisms, HACCP assistance focusing on food, dairy and feed products.

DR. BYRON CHAVES
foodsci.unl.edu/chaves

Applied food safety microbiology focusing on the evaluation and validation of chemical, physical, and biological interventions for the post-harvest control of foodborne pathogens in foods of animal origin; detection and characterization of bacterial pathogens along the food production chain.

DR. JIAJIA CHEN
foodsci.unl.edu/chen

Multiphysics modeling of food processes for improving food quality and safety. Improving safety of low moisture foods using radiofrequency processing, extrusion, and gaseous technologies.

DR. JENNIFER CLARKE
foodsci.unl.edu/jclarke

Dr. Clakre researches the analysis of complex high-dimensional data; statistical model assessment, validation, and prediction; metagenomics; and inference from multitype data; ‘big data’ applications.

DR. HEATHER HALLEN-ADAMS
foodsci.unl.edu/hallenadams

The Hallen-Adams lab studies toxigenic fungi, including molds that produce toxins in food, and has expertise in poisonous mushrooms. Research includes toxin detection and quantification, and studies in toxin biosynthesis.

DR. JAYNE STRATTON
foodsci.unl.edu/stratton


DR. JEEYAM SUBBIAH
foodsci.unl.edu/subbiah

Multiphysics modeling of food processes for improving food quality and safety. Improving safety of low moisture foods using radiofrequency processing, extrusion, and gaseous technologies. Pulsed electric field for enhancing extraction of bioactives from fruits, vegetables and food processing waste for chemoprevention. Hyperspectral and multispectral imaging for predicting food quality.

DR. BING WANG
foodsci.unl.edu/wang

Dr. Bing Wang’s primary research interests center around human health risk assessment, epidemiology and research synthesis methodologies, and the risk-benefit analysis of nutrient fortification in grain foods.

DR. CHANGMOU XU
foodsci.unl.edu/xu

Exploring natural antimicrobial and anti-biofilm agents from botany against foodborne pathogens in foods. Developing fast analytical methods to detect pesticides in foods.

IMPACTING THE WORLD THREE TIMES A DAY

Web: foodsci.unl.edu
Phone: (402) 472-2831
Email: foodsci@unl.edu

1901 N. 21 ST, PO Box 886205
Food Innovation Center
Lincoln, NE 68588-6205