



DEPARTMENT OF  
FOOD SCIENCE  
AND TECHNOLOGY

# FOOD SAFETY



UNIVERSITY OF NEBRASKA-LINCOLN

## DR. JAYNE STRATTON

[foodsci.unl.edu/stratton](http://foodsci.unl.edu/stratton)

Food safety microbiology. Rapid detection methods for pathogens (*Listeria*, *E. coli* O157:H7, *Salmonella*). Evaluation of interventions for the reduction of pathogens in various food and pet food matrices.

## DR. JEYAM SUBBIAH

[foodsci.unl.edu/subbiah](http://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. HEATHER HALLEN-ADAMS

[foodsci.unl.edu/hallenadams](http://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. ANDRÉIA BIANCHINI

[foodsci.unl.edu/bianchini](http://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. JENNIFER CLARKE

[foodsci.unl.edu/jclarke](http://foodsci.unl.edu/jclarke)

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

## DR. BING WANG

[foodsci.unl.edu/wang](http://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 foodment.

## DR. CHANGMOU XU

[foodsci.unl.edu/xu](http://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.

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