



FOOD SCIENCE & INNOVATION CONFERENCE 2012

FEBRUARY 27-29, 2012 | GUADALAJARA, JALISCO, MEXICO

Short Course: Fundamentals of Risk Analysis

Overview

Risk Analysis (RA) is a discipline that is composed of three components, risk assessment, risk management and risk communication. These components are approached in separate activities, while remaining related, to determine the likelihood of an event to occur and how to reduce that risk. In food safety, these tools permit the development strategies reducing the risk of foodborne diseases. Understanding the components of RA is paramount for both government agencies and the food industry to develop these strategies during coordinated efforts.

The objective of this short course is to expose the attendees to the concepts and application of each component of RA to improve the safety of specific food products, understanding the improvement in food safety as the reduction of the risk of foodborne disease in specific populations.

This short course (8 hours) will be delivered by lectures and case studies.

Outline

- Introduction
 - Definitions of food safety terms
 - Overview of foodborne diseases
 - Current concepts in food safety
- Risk analysis
 - Risk Assessment
 - Risk Management
 - Overview of risk communication and how it relates to risk assessment and risk management

Speakers

Elisa Cabrera-Díaz, University of Guadalajara

Alejandro Castillo, Ph.D, Texas A&M University

Jairo E. Romero, Colombian Association of Food Science and Technology

Robert B. Gravani, Ph.D, Cornell University