Felicia Wu

John A. Hannah Distinguished Professor at Michigan State University

East Lansing, MI, US

Expert in food safety, social network analysis, global health, risk assessment, economic models, environmental health risks, public health

Biography

Dr. Felicia Wu is the John A. Hannah Distinguished Professor of Food Science & Human Nutrition and Agricultural, Food, & Resource Economics. Her research examines the national and global burden of foodborne disease, how improved nutrition can counteract the harmful effects of toxins, and how cost-effective strategies can improve food safety in the United States and worldwide. Recently, her work has expanded to examine the risk of antimicrobial resistance from antibiotic use in livestock production, and how we can curb these risks. For her research on the impact of aflatoxin regulations on global liver cancer, Dr. Wu was awarded a US National Institutes of Health (NIH) EUREKA Award. She was commissioned by the World Health Organization (WHO) to estimate the global burden of disease caused by aflatoxin and arsenic in food, and co-authored the WHO 2015 report on the Global Burden of Foodborne Disease. Currently, Dr. Wu serves as an expert advisor to the Joint FAO/WHO Expert Committee on Food Additives (JECFA) of the United Nations. She is an area editor for three journals: Risk Analysis, World Mycotoxin Journal, and Archives of Environmental and Occupational Health. Recently, she served on the US National Academy of Sciences (NAS) panel on the future of animal sciences research for global food security. Currently, she serves as an invited reviewer for the Intergovernmental Panel on Climate Change (IPCC: 2007 Nobel Peace Laureate) Sixth Assessment Report. She has also been selected to serve on the MSU Presidential Search Committee. Dr. Wu earned her A.B. and S.M. in Applied Mathematics and Medical Sciences at Harvard University, and her PhD in Engineering and Public Policy at Carnegie Mellon University.

Industry Expertise

Health Care - Providers, Health and Wellness, Education/Learning, Research, Agriculture and Farming, Health Care - Facilities

Areas of Expertise

Social Network Models of Food Trade, Immunotoxicology, Social Network Modeling, Public Health, Environmental Health, Risk Assessment, Food Safety , Toxicology, Global Health, Economics, Foodborne Mycotoxins, In Utero Exposure to Dietary Toxins, Antibiotic Resistance

Education

Carnegie Mellon University

Ph.D.

Harvard University
A.B.
