FELICIA WU, PH.D.

John A. Hannah Distinguished Professor
University Distinguished Professor
Department of Food Science and Human Nutrition
Department of Agricultural, Food, and Resource Economics
Michigan State University
East Lansing, MI 48824
fwu@msu.edu

EDUCATION

1998	Harvard University	A.B., S.M., Applied Mathematics & Medical Sciences
2002	Carnegie Mellon University	Ph.D., Engineering & Public Policy

APPOINTMENTS & POSITIONS

2013-present John A. Hannah Distinguished Professor, Department of Food Science and Human Nutrition, Department of Agricultural, Food, and Resource Economics, Michigan State University, East Lansing, MI

- Core Faculty, Institute for Integrative Toxicology
- Adjunct Faculty, Department of Epidemiology and Biostatistics
- Advisory Board, Center for Gender in Global Context
- Affiliate Faculty, Asian-Pacific American Studies Program

2011-2013 Associate Professor, Department of Environmental and Occupational Health, Graduate School of Public Health, University of Pittsburgh, PA

- Secondary Faculty, University of Pittsburgh School of Medicine
- Secondary Faculty, Graduate School of Public and International Affairs
- Core Faculty, Center for Research on Health Care
- Secondary Faculty, Center for Bioethics and Health Law
- Faculty Advisory Board, European Union Center for Excellence

2004-2011 Assistant Professor, Department of Environmental and Occupational Health, Graduate School of Public Health, University of Pittsburgh, PA

2008 Visiting Professor, Seed Science Center, Iowa State University, Ames, IA

2002-2004 Associate Policy Researcher, RAND, Pittsburgh, PA

RESEARCH AND TEACHING

Fields Food Safety and Security, Toxicology, Immunology, Nutrition, Mycotoxins, Agricultural Biotechnology, Global Health and the Environment, Antimicrobial Resistance, Public Health, Climate Change, Indoor Air Quality

Methods Quantitative Risk Assessment, Health Economics, Mathematical Modeling, Policy Analysis

LEADERSHIP, AWARDS, & HONORS

- US National Academies of Science, Engineering, and Medicine (NASEM) Invited Speaker: Chemistry and Food: Safety, Authenticity, and Other Challenges, 2023
- Joint Expert Committee on Food Additives (JECFA) of the Food and Agriculture Organization of the United Nations (FAO) and World Health Organization (WHO), 96th JECFA on risk assessment of aspartame and flavorings, 2022-2024
- University Distinguished Professor (1 of 10), Michigan State University
- President-Elect, Society for Risk Analysis, 2022-
- WHO Foodborne Disease Burden Epidemiology Reference Group (FERG2) Resource Advisor, 2023-
- Commissioner of Agriculture and Rural Development, State of Michigan (appointed by Governor Gretchen Whitmer), 2023-
- Excellence in Research Award, Department of Agricultural, Food, & Resource Economics, Michigan State University, 2023
- United Nations FAO Scientific Advisory Committee on Livestock Food Security and Nutrition, Member, 2021-
- JECFA Member and Expert Roster, 2011- (renewed 2021)
- WHO Temporary Advisor, 96th JECFA on risk assessment of aspartame, 2022-2023
- Featured Alumna, Harvard University Alumnae-i Network of Harvard Women (ANHW) for Women's History Month, 2022
- Hall of Fame Inductee, William Tennent High School Alumni, 2022
- International Union of Pure & Applied Chemistry (IUPAC): US National Academy of Sciences Young Observer, 2021
- US Environmental Protection Agency (EPA) Science Advisory Board (SAB) Panel on Contaminant Candidate List 5, 2021-
- Vice President for University Advancement Search Committee, Michigan State University, 2021-
- Fellow, Society for Risk Analysis, 2020-
- William J. Beal Outstanding Faculty Award, Michigan State University, 2020
- Invited Expert Reviewer on Food Security and Land Use, Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report (AR6), 2018-2019
- Provost Search Committee, Michigan State University, 2019-2020
- Presidential Search Committee, Michigan State University, 2018-2019
- Presidential Transition Committee, Michigan State University, 2019
- Inaugural Food Fellow, Michigan State University Food@MSU, 2017-
- Investiture Awardee, Michigan State University, 2016
- American Public Land-Grant Universities (APLU) Challenge for Change Selected Member, Global Food Security, 2016
- United States National Academy of Sciences: National Research Council (NRC) Committee on Considerations for the Future of Animal Science Research, 2014-2015
- International Life Sciences Institute (ILSI) Food, Nutrition, & Safety Program Scientific Advisor, 2014-2017

- SCOPE-Zhongyu Young Scientist Award on Environmental Issues (1 of 3), 2011
- National Institutes of Health (NIH) EUREKA Award, 2010-2014
- WHO FERG Resource Advisor, Chemicals & Toxins Task Force and Computational Task Force, 2010-2015
- Society for Risk Analysis Councilor, 2009-2012
- James L. Craig Excellence in Education Teaching Award Nominee, University of Pittsburgh Graduate School of Public Health, 2009, 2011
- Sigma Xi (National Science Honor Society) Distinguished Lecturer, 2008-2009
- Visiting Professor, Iowa State University, 2008
- University of Pittsburgh Outstanding Women in Medicine & Science (1 of 7), 2008
- Chauncey Starr Award, Society for Risk Analysis: Outstanding risk analyst under age 40, 2007
- NIH Early Career Award: Multidisciplinary Clinical Research Scholars Program, 2007-2011
- Guest Editor, *Environmental Health Perspectives*: "Developing Policies to Improve Indoor Environmental Quality," June 2007
- U.S. Department of Agriculture, Aflatoxin Elimination grantee, 2007-2008, 2006-2007
- Competitive Medical Research Fund, University of Pittsburgh, 2006-07
- Delta Omega National Honor Society for Public Health, Inducted Faculty Member, 2006
- Chair of Conference: *Developing Policies to Improve Indoor Environmental Quality: Trans-Atlantic Viewpoints*, 2005
- Society for Risk Analysis Best Paper Award, 2002, 2003
- EPA STAR (Science To Achieve Results) Fellowship, 1999-2002
- ExxonMobil Paper Award in Risk Communication, 2000, 2001
- IIASA (International Institute for Applied Systems Analysis) Young Scientists Summer Program, 2000
- Harvard College Scholar (Dean's List), 1995-98
- Elizabeth Cary Agassiz Merit Award for Academic Excellence, 1995-98
- Jeopardy! Teen Tournament Semi-Finalist, 1994

GRANTS & CONTRACTS FUNDED AS FACULTY MEMBER (CURRENT & PAST)

2023-2028	Co-Program Director: USDA NIFA, "Building Resilience to Shocks and Disruptions: Creating Sustainable and Equitable Local and Regional Food Systems in the US Midwest Region and Beyond" ($10 million)
2023-2026	Co-PD: USDA NIFA, "How Food Crops Become Contaminated with Heavy Metals: Multivariable Analysis in Climate and Field Conditions" ($611,000)
2023-2027	Co-PD: USDA NIFA, "Understanding the Meat Supply Chain Network: The Impact of Supply Disruptions on Food Insecurity and Nutritional Inequality" ($650,000)
2023-	PI, World Health Organization, "Review and evidence synthesis of data needed to estimate the global burden of aflatoxin B1 and aflatoxin M1" ($19,000)
2022-2025	Principal Investigator (PI): United States Agency for International Development (USAID) Livestock Systems Innovation Lab, "Aflatoxin M1 Health Risks vs. Benefits of Dairy Consumption in Ethiopian Children: An Epidemiological Trial and Risk-Benefit Analysis" ($750,000)

2022-2027	Co-Investigator (Co-I): National Institutes of Health (NIH) National Institute of Mental Health (NIMH) R01, "MISC-CBO: A cluster randomized control trial to improve the mental health of orphaned and vulnerable children in South Africa" ($1,711,857)
2022-2027	Co-I and MSU Team Leader: USAID Food Systems for Nutrition Innovation Lab (Tufts University: lead institution) ($25,000,000)
2020-2025	Co-Project Director: USDA NIFA, "Sustainable, Systems-Based Solutions for Ensuring Low-Moisture Food Safety" ($9.800,000)
2020-2024	Project Director: USDA NIFA, "Aflatoxin Reduced By Bt Corn? Examining Crop Insurance Claims for Real World Impacts of Technologies for Food Safety" ($478,000)
2022-2023	PI: Institute for the Advancement of Food and Nutrition Sciences (IAFNS), "Heavy Metals in US Foods: Exposure Assessment by Age Group, and Mitigation Strategies" ($80,000)
2020-2021	PI: USAID Livestock Systems Innovation Lab, "The Human Health Risk of Aflatoxin M1 in Dairy Products" ($30,000)
2018-2020	Co-PI: Grand Challenges Canada, "Training caregivers to enhance early child neurodevelopment in the prevention of konzo disease from toxic cassava in Democratic Republic of the Congo" ($250,000 CD)
2018-2020	PI: Institute for the Advancement of Food and Nutrition Sciences (IAFNS), "Assessing Human Health Impacts of Global Adoption of Codex Deoxynivalenol (DON) Guidelines" ($50,000)
2018-2019	PI: United States Agency for International Development (USAID) Food Security Policy Innovation Lab, "Occurrence of Aflatoxin M1 in Dairy Products" ($10,000)
2015-2019	PI: Insect Knowledge Management Program (Bayer/Monsanto), "An Agent-Based Model of Insect Adaptation to Transgenic Insecticidal Corn" ($299,978)
2013-2018	Co-PD: United States Department of Agriculture (USDA) National Institute for Food and Agriculture (NIFA), "Integrated Management Strategies for Aspergillus and Fusarium Ear Rots of Corn" ($5,349,650)
2012-2018	Co-PD: USDA NIFA, "Risk Assessment and Intervention Strategies for the Emerging Food Safety Threat of Ochratoxin in the United States" ($1,500,000)
2013-2018	PI: Bill & Melinda Gates Foundation, "Mycotoxins as a Risk Factor in Growth Impairment Worldwide" ($750,000)
2010-2016	PI: National Institutes of Health (NIH) National Cancer Institute, "The Effect of Aflatoxin Regulation on Global Liver Cancer Risk" (R01: $1,480,096)
2013-2015	Co-PD: USDA NIFA, "Prediction and Mitigation of Foodborne Disease Potential of Emerging Trichothecene Mycotoxins" ($500,000)
2008-2012	Co-PD: USDA Biotechnology Risk Assessment Grant (BRAG), "Mycotoxin Risks Associated with Ethanol Co-Products from Conventional vs. Biotechnology-Derived Corn Grain" ($400,000)
2009-2011	Co-PI: Bill and Melinda Gates Foundation, "Cost-Effective Aflatoxin Risk Reduction Strategies in Maize and Groundnut Value Chains to Improve Market Access of the Poor in Mali and Kenya" ($2,700,000)

2007-2011 PI: National Institutes of Health (NIH) Multidisciplinary Clinical Research Scholars Program, "Global Burden of Mycotoxin-Induced Disease and Cost-Effectiveness of Interventions" (KL2: $669,000)
2008-2009 PI: Computational Public Health Initiative, University of Pittsburgh, "Modeling the Effect of Aflatoxin Regulations on Global Liver Cancer Risk and World Food Trade" ($20,000)
2007-2008 PI: USDA Aflatoxin Elimination Workgroup, "Modeling the Adverse Impact of Aflatoxin Contamination to the Economics of U.S. Agriculture" ($27,000)
2006-2007 PI: USDA Aflatoxin Elimination Workgroup, "Total Economic Impact of Aflatoxin: Models of Economic Loss and Industry Learning" ($10,000)
2006-2007 PI: Competitive Medical Research Fund, "Achieving Healthy Homes for Asthmatic Children Through Educational Interventions" ($25,000)

Pending grant proposals

2024-2028 PI: USDA NIFA, "Arsenic In Rice: Economic And Trade-Related Drivers To Adopt Alternative Cultivation Practices Following FDA Arsenic Action Levels" ($650,000)

PATENT

Compounds for Inhibition of Fungal Mycotoxin and Sporulation (Strasburg GM, Mmongoyo JA, Linz JE, Wu F, Dissanayake AA, Zhang C-R, Wee JM, Nair MG, Day DM). Publication date 14 January 2020. US Patent Number 10531662.

PUBLICATIONS

Journal Articles (H-index = 56; i10-index = 106; Citations: 16,887)

Ye Z, Difonzo C, Hennessy DA, Wu F, Conley SP, Gassmann AJ, Hodgson EW, Jensen B, Knodel JJ, McManus B, Meinke LJ, Michel A, Potter B, Seiter NJ, Smith JL, Spencer JL, Tilmon KJ, Wright RJ, Krupke CH (2023). Too much of a good thing: Lessons from compromised rootworm Bt technology in the US Corn Belt. *Science*, under review.

Anato A, Headey D, Hirvonen K, Pokharel A, Tessema M, Wu F, Baye K (2023). From animal feed to milk consumption: Assessment of the risk of aflatoxin contamination. *One Health*, under review.

Yu J, Hennessy DA, Wu F (2023). Bt corn and cotton planting may benefit peanut growers by reducing aflatoxin risk. *Food Policy*, under review.

Wu F, Scott C, Hsu P (2023). Aflatoxin M1 in milk and dairy products: The state of the evidence for child growth impairment. *Food Policy*, resubmitted.

Chen C, Wu F (2023). Burden of disease of children's cognitive impairment associated with cassava cyanide in Democratic Republic of the Congo. *PLOS Global Public Health*, resubmitted.

Pokharel A, Hennessy DA, Wu F (2023). Health burden and costs associated with tillage-related PM2.5 pollution in the United States, and possible tillage reduction strategies. *Science of the Total Environment* 903:166161. https://doi.org/10.1016/j.scitotenv.2023.166161

Pokharel A, Wu F (2023). Dietary exposure to cadmium from rice, spinach, and common cereal grains among infants and young children in the United States. *Food & Chemical Toxicology* 178:113873. https://doi.org/10.1016/j.fct.2023.113873

Saha Turna N, Comstock SS, Gangur V, Chen C, Wu F (2023). Effects of Aflatoxin on the Immune System: Evidence from Human and Animal Research. *Critical Reviews in Food Science and Nutrition*, DOI: 10.1080/10408398.2023.2219336.

Wu F, Trump BD (2023). "Modest doubt is called the beacon of the wise" – Incorporating uncertainty in risk analysis from Shakespeare to Today. *Risk Analysis*, 10.1111/risa.14139. https://onlinelibrary.wiley.com/doi/epdf/10.1111/risa.14139

Rahman R, Scharff R, Wu F (2023). Foodborne disease outbreaks in flour and flour-based food products from microbial pathogens in the US, and their economic burden. *Risk Analysis*, DOI: 10.1111/risa.14132.

Wu F (2022). Mycotoxin risks are lower in biotech corn. *Current Opinion in Biotechnology* 78:102792.

Chen C, Patil C, Mduma E, Groopman JD, Riley RT, Wu F (2022). Mycotoxins were not associated with environmental enteropathy in a cohort of Tanzanian children. *Risk Analysis*, May 26. DOI:10.1111/risa.13956.

Yu J, Hennessy DA, Tack J, Wu F (2022). The impact of climate change on aflatoxin contamination in US corn. *Environmental Research Letters* 17:054017. https://doi.org/10.1088/1748-9326/ac6435.

Saha Turna N, Havelaar A, Adesogan A, Wu F (2022). Aflatoxin M1 in milk does not contribute substantially to global liver cancer incidence. *American Journal of Clinical Nutrition* 115:1473-80. [Editor's Choice article]

Saha Turna N, Wu F (2022). Estimation of tolerable daily intake (TDI) for non-carcinogenic effects of aflatoxin. *Risk Analysis* 42:431-8.

Wu F (2022) (book review). Fixing Food: An FDA Insider Unravels the Myths and the Solutions. *Risk Analysis* 42:425-7.

Wu F, Wesseler J, Zilberman D, Russell RM, Chen C, Dubock A (2021). Allow Golden Rice to save lives. *Proceedings of the National Academy of Sciences*, 118 (51) e2120901118.

Chen C, Kashala-Abotnes E, Banea Mayambu J-P, Mumba Ngoyi D, Tshala-Katumbay D, Mukeba D, Kunya M, Boivin MJ, Wu F (2021). Cost-effectiveness of a wetting method intervention to reduce cassava cyanide-related cognitive impairment in children. *Nature Food* 2:469-72.

Ye Z, Wu F, Hennessy DA (2021). Environmental and Economic Concerns Surrounding Restrictions on Glyphosate Use in Corn. *Proceedings of the National Academy of Sciences* 118:e2017470118, https://doi.org/10.1073/pnas.2017470118.

Chen C, Frank K, Wang T, Wu F (2021). Global wheat trade and Codex Alimentarius guidelines for deoxynivalenol: A mycotoxin common in wheat. *Global Food Security* 29:100538.

Kim J, Mason-Wardell N, Mather D, Wu F (2021). The effects of the National Agricultural Input Voucher Scheme (NAIVS) on sustainable intensification of maize production in Tanzania. *Journal of Agricultural Economics* 72:857-77.

Saha Turna N, Wu F (2021). Aflatoxin M1 in milk: Global occurrence, intake, and exposure assessment. *Trends in Food Science and Technology* 110:183-92.

Malone T, Schaefer KA, Wu F (2021). The Razor's Edge of "Essential" Labor in Food and Agriculture. *Applied Economic Perspectives & Policy* 43:368-381.

Ademola O, Saha Turna N, Liverpool-Tasie L, Obadina A, Wu F (2021). Food Processing and Mycotoxin Reduction in Maize-Based Products: Evidence from Lactic Acid Fermentation in Southwest Nigeria. *Food Control* 121:107620.

Chen C, Wu F (2021). Livestock-associated methicillin-resistant *Staphylococcus aureus* (LA-MRSA) colonization and infection among livestock workers and veterinarians: A systematic review and meta-analysis. *Occupational and Environmental Medicine* 78:530-40.

Xia R, Schaafsma AW, Wu F, Hooker DC (2021). The change in winter wheat response to deoxynivalenol and Fusarium Head Blight through technological and agronomic progress. *Plant Disease* 105:840-850.

Wu F, Rodricks JV (2020). Forty years of food safety risk assessment: A history and analysis. *Risk Analysis* 40:2218-30.

Grace D, Wu F, Havelaar A (2020). Foodborne diseases from milk and milk products in developing countries: Review of causes and health and economic implications. *Journal of Dairy Science* 103:9715-29.

Yu J, Hennessy DA, Wu F (2020). The impact of Bt corn on aflatoxin-related insurance claims in the United States. *Scientific Reports* 10:10046.

Greenberg M, Cox A, Bier V, Lambert J, Lowrie K, North W, Siegrist M, Wu F. (2020). Risk Analysis: Celebrating the Accomplishments and Embracing Ongoing Challenges. *Risk Analysis* 40:2113-27.

Xia R, Schaafsma AW, Wu F, Hooker DC (2020). Impact of the improvements in Fusarium head blight and agronomic management on farm revenue and profit. *World Mycotoxin Journal* 13:423-39.

Kim J, Mason NM, Snapp S, Wu F (2019). Does sustainable intensification of maize production enhance child nutrition? Evidence from rural Tanzania. *Agricultural Economics* 50:723-34.

Liverpool-Tasie L, Saha Turna N, Ademola O, Obadina A, Wu F (2019). The occurrence and co-occurrence of aflatoxin and fumonisin along the maize value chain in southwest Nigeria. *Food and Chemical Toxicology* 129:458-65.

Chen C, Saha Turna N, Wu F (2019). Risk assessment of dietary deoxynivalenol exposure in wheat products worldwide: Are new Codex DON guidelines adequately protective? *Trends in Food Science and Technology* 89:11-25.

Saha Turna N, Wu F (2019). Risk assessment of aflatoxins in Bangladesh: Is the general population at risk from dietary aflatoxin exposure? *Food Additives and Contaminants* 36:320-6.

Chen C, Riley RT, Wu F (2018). Dietary Fumonisin and Growth Impairment in Children and Animals: A Review. *Comprehensive Reviews in Food Science and Food Safety* 17:1448-64.

Chen C, Mitchell NJ, Gratz J, Houpt ER, Gong Y, Egner PA, Groopman JD, Riley RT, Showker JL, Svensen E, Mduma ER, Patil CL, Wu F. (2018). Exposure to aflatoxin and fumonisin in children at risk for growth impairment in rural Tanzania. *Environment International* 115:29-37.

Ogunade IM, Martinez-Tuppia C, Queiroz OCM, Jiang Y, Drouin P, Wu F, Vyas D, Adesogan AT (2018). Mycotoxins in Silage: Occurrence, Effects, Prevention and Mitigation. *Journal of Dairy Science* 101:4034-59. [in top 100 papers cited from journal]

Bradford KJ, Dahal P, Van Asbrouck J, Kunusoth K, Bello P, Thompson J, Wu F (2018). The Dry Chain: Reducing Postharvest Losses and Improving Food Safety in Humid Climates. *Trends in Food Science & Technology* 71:84-93.

Mmongoyo JA, Wu F, Linz JE, Nair MG, Mugula JK, Strasburg GM (2017). Aflatoxin levels in sunflower seeds and cakes collected from micro- and small-scale sunflower oil processors in Tanzania. *PLOS ONE* 12(4): e0175801.

Mmongoyo JA, Nair MG, Linz JE, Wu F, Mugula JK, Dissanayake AA, Zhang C, Day DM, Wee JM, Strasburg GM (2017). Bioactive compounds in Diospyros mafiensis roots inhibit growth, sporulation and aflatoxin production by Aspergillus flavus and Aspergillus parasiticus. *World Mycotoxin Journal* 10:237-48.

Chen C, Wu F (2017). The Need to Revisit Ochratoxin A Risk in Light of Global Diabetes, Obesity, and Chronic Kidney Disease Prevalence. *Food and Chemical Toxicology* 103:79-85.

Spink J, Ortega D, Chen C, Wu F (2017). Food Fraud Prevention Shifts the Food Risk Focus to Vulnerability. *Trends in Food Science & Technology* 62:215-20.

Mitchell NJ, Hsu H-H, Chandyo RK, Shrestha B, Bodhidatta L, Tu Y-K, Gong Y-Y, Egner PA, Ulak M, Groopman JD, Wu F (2017). Aflatoxin exposure during the first 36 months of life was not associated with impaired growth in Nepalese children: An extension of the MAL-ED study. *PLOS ONE* 12(2):e0172124.

Mitchell NJ, Chen C, Palumbo J, Bianchini A, Stratton J, Cappozzo J, Ryu D, Wu F (2017). A Risk Assessment of Dietary Ochratoxin A in the United States. *Food and Chemical Toxicology* 100:265-273.

Mitchell NJ, Riley RT, Egner PA, Groopman JD, Wu F (2017). Chronic aflatoxin exposure in children living in Bhaktapur, Nepal: Extension of the MAL-ED study. *Journal of Exposure Science and Environmental Epidemiology* 27:106-11.

Male D, Wu W, Mitchell NJ, Bursian S, Pestka J, Wu F (2016). Modeling the emetic potencies of food-borne trichothecenes by benchmark dose methodology. *Food & Chemical Toxicology* 94:178-85.

Wu F, Mitchell NJ (2016). How climate change and regulations can affect the economics of mycotoxins. *World Mycotoxin Journal* 9:653-663.

Male D, Wu W, Mitchell NJ, Bursian S, Pestka J, Wu F (2016). Modeling the anorectic potencies of simple trichothecenes by benchmark dose and incremental area under curve methods. *World Mycotoxin Journal* 9:279-288.

Mitchell NJ, Bowers E, Hurburgh C, Wu F (2016). Potential economic losses to the US corn industry from mycotoxin contamination. *Food Additives and Contaminants* 33:540-50.

Havelaar AH, Kirk MD, Torgerson PR, Gibb HJ, Hald T, Lake RJ, et al., on behalf of the World Health Organization Foodborne Disease Burden Epidemiology Reference Group (2015). World Health Organization Global Estimates and Regional Comparisons of the Burden of Foodborne Disease. *PLOS Medicine*, DOI:10.1371/journal.pmed.1001923.

Gibb H, Devleesschauwer B, Bolger PM, Wu F, Ezendam J, Cliff J, et al. (2015). World Health Organization Estimates of the Global and Regional Disease Burden of Four Foodborne Chemicals and Toxins, 2010. *F1000 Research* 4:1393. DOI:10.12688/f1000research.7340.1.

Devleesschauwer B, Haagsma JA, Angulo FJ, Bellinger DC, Cole D, Dopfer D, Fazil A, Fevre EM, Gibb H, Hald T, Kirk MD, Lake RJ, Maertens de Noordhout C, McDonald SA, Pires SM, Speybroeck N, Thomas MK, Torgerson PR, Wu F, Havelaar AH, Praet N (2015).

Methodological Framework for World Health Organization Estimates of the Global Burden of Foodborne Disease. *PLOS ONE* 10:12. DOI:10.1371/journal.pone.0142498.

Bui-Klimke TR, Wu F (2015). Ochratoxin A and human health risk: A review of the evidence. *Critical Reviews in Food Science and Nutrition* 55:1860-9.

Wu F (2015). Global impacts of aflatoxin in maize: Trade and human health. *World Mycotoxin Journal* 8:137-42.

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Wu F (2014). Perspective: Time to face the fungal threat. *Nature* 516:S7.

Youn S, Lynch A, Taylor W, Cowx IG, Beard D, Bartley D, Wu F (2014). The value of inland fisheries to global food security: Challenges and opportunities. *Global Food Security* 3:142-8.

Wu F, Mitchell N, Male D, Kensler TW (2014). Reduced foodborne toxin exposure is a secondary benefit of dietary diversity. *Toxicological Sciences* 141:329-34.

Wu F, Bui-Klimke TR, Shields KN (2014). Potential Economic and Health Impacts of Ochratoxin A Standards. *World Mycotoxin Journal* 7:387-98.

Bui-Klimke TR, Wu F (2014). Evaluating Weight of Evidence in the Mystery of Balkan Endemic Nephropathy. *Risk Analysis* 34:1688-705.

Oberoi S, Barchowsky AA, Wu F (2014). The global burden of disease for skin, lung and bladder cancer caused by arsenic in food. *Cancer Epidemiology, Biomarkers & Prevention* 23:1187-94.

Bui-Klimke TR, Guclu H, Kensler TW, Yuan J-M, Wu F (2014). Aflatoxin Regulations and Global Pistachio Trade: Insights from a Social Network Analysis. *PLOS ONE* 9(3):e92149.

Wu F, Groopman JD, Pestka JJ (2014). Public Health Impacts of Foodborne Mycotoxins. *Annual Reviews of Food Science and Technology* 5:351-372.

Austin S, Murthy S, Wunsch H, Adhikari NKJ, Karir V, Rowan K, Jacob ST, Salluh J, Bozza FA, Du B, An Y, Lee B, Wu F, Nguyen L-L, Oppong C, Venkataraman R, Velayutham V, Duenas C, Angus DC (2014). Access to urban acute care services in high- vs. middle-income countries: an analysis of seven cities. *Intensive Care Medicine* 40:342-52.

Wu F, Guclu H (2013). Global maize trade and food security: Implications from a social network model. *Risk Analysis* 33:2168-78.

Chen JG, Egner PA, Ng D, Jacobson LP, Munoz A, Zhu YR, Qian G, Wu F, Yuan JM, Groopman JD, Kensler TW (2013). Reduced Aflatoxin Exposure Presages Decline in Liver Cancer Mortality in an Endemic Region of China. *Cancer Prev Res* 6:1038-45.

Wu F, Stacy SL, Kensler TW (2013). Global risk assessment of aflatoxins in maize and peanuts: Are regulatory standards adequately protective? *Toxicological Sciences* 135:251-9.

Wu F, Wang T (2013). Risk Assessment of Upper Tract Urothelial Carcinoma Related to Aristolochic Acid. *Cancer Epidemiology, Biomarkers and Prevention* 22:812-820.

Palliyaguru D, Wu F (2013). Global Geographical Overlap of Aflatoxin and Hepatitis C: Controlling Risk Factors for Liver Cancer Worldwide. *Food Additives & Contaminants* 30:534-40.

Wu F, Guclu H (2012). Aflatoxin regulations in a network of global maize trade. *PLoS ONE* 7(9):e45141, doi:10.1371/journal.pone.0045151.

Liu Y, Chang CC, Marsh GM, Wu F (2012). Population Attributable Risk of Aflatoxin-Related Liver Cancer: Systematic Review and Meta-Analysis. *European Journal of Cancer* 48:2125-2136.

Khlangwiset P, Shephard GS, Wu F (2011). Aflatoxins and Growth Impairment: A Review. *Critical Reviews in Toxicology* 41:740-755.

Wu F, Bhatnagar D, Bui-Klimke T, Carbone I, Hellmich R, Munkvold G, Paul P, Payne G, Takle E (2011). Climate Change Impacts on Mycotoxin Risks in US Maize. *World Mycotoxin Journal* 4:79-93.

Goldstein BD, Liu Y, Wu F, Lioy PJ (2011). Comparing the effect of the US Clean Air Act with smoking prevention and cessation on the risk of acute myelogenous leukemia (AML). *American Journal of Public Health* 101:2357-61.

Biksey T, Zickmund SL, Wu F (2011). Disparities in Risk Communication: A Pilot Study of Asthmatic Children, Their Parents, and Home Environments. *Journal of the National Medical Association* 103:388-391.

Liu Y, Wu F (2010). Global Burden of Aflatoxin-Induced Hepatocellular Carcinoma: A Risk Assessment. *Environmental Health Perspectives* 118:818-24.

Wu F, Khlangwiset P (2010). Evaluating the technical feasibility of aflatoxin risk reduction strategies in Africa. *Food Additives & Contaminants* 27:658-676.

Wu F, Khlangwiset P (2010). Health economic impacts and cost-effectiveness of aflatoxin reduction strategies in Africa: Case studies in biocontrol and postharvest interventions. *Food Additives & Contaminants* 27:496-509.

Khlangwiset P, Wu F (2010). Costs and efficacy of public health interventions to reduce aflatoxin–induced human disease. *Food Additives & Contaminants* 27:998-1014.

Wolt JD, Keese P, Raybould A, Fitzpatrick JW, Burachik M, Gray A, Olin SS, Schiemann J, Sears M, Wu F (2010). Problem Formulation in the Environmental Risk Assessment for Genetically Modified Plants. *Transgenic Research* 19:425-436.

Biksey T, Wu F (2009). Biofuels: By-Products. *Science* 326:1344-1345.

Wu F, Bryden W (2009). Mycotoxins: Detection Methods, Management, Public Health and Agricultural Trade (book review), *World Mycotoxin Journal* 2:105-6.

Wu F, Liu Y, Bhatnagar, D. (2008). Cost-Effectiveness of Aflatoxin Control Methods: Economic Incentives. *Toxin Reviews* 27:203-25.

Wu F, Munkvold GP (2008). Mycotoxins in Ethanol Co-Products: Modeling Economic Impacts on the Livestock Industry. *Journal of Agricultural & Food Chemistry* 56:3900-11.

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Featured in DiPierro A and Garner M (2015). 10 Recent Food Recalls You Should Know About. *TheStreet*, http://www.thestreet.com/story/13198305/1/10-recent-food-recalls-you-should-know-about.html.

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Foodborne Disease: Hazards, Risks, and Values (2013): https://www.youtube.com/watch?v=sYTcZJ7ao34&feature=youtu.be.

Davos One Health Forum (2013): https://www.youtube.com/watch?v=4RVMMf5DSgM.

PROFESSIONAL ACTIVITIES AND SERVICE

Expert Consultations/Panels

Expert Roster	Joint Expert Committee on Food Additives (JECFA) of the Food and Agriculture Organization (FAO), United Nations, and World Health Organization (WHO)
Member	US National Committee (National Academy of Sciences) to the International Union of Pure and Applied Chemistry (IUPAC)
Commissioner	Michigan Commission of Agriculture and Rural Development (appointed by Governor Gretchen Whitmer)

Member	Global Burden of Disease (GBD) Collaborator Network: Institute for Health Metrics and Evaluation (IHME), University of Washington
Member	US Environmental Protection Agency (EPA) Science Advisory Board (SAB) Panel on Contaminant Candidate List 5, 2021-22
Board of Directors	Harvard Agri-Food
Board Member	International Consortium for Applied Bioeconomy Research (ICABR)
Councilor	Institute for the Advancement of Food & Nutrition Sciences (IAFNS) Scientific Leadership Council
Member	MSU William J. Beal Awards Committee
Member	MSU-Henry Ford Health Systems Cancer Control Task Force
Board Member	External Advisory Board, University of Florida Food Systems Institute
Expert Reviewer	Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report (AR6). Available at: https://www.ipcc.ch/report/srccl/.
Member	U.S. National Academies of Science, Engineering, and Medicine: National Research Council Committee on the Future of Animal Sciences Research
Member	Joint Food and Agriculture Organization (FAO), United Nations, and World Health Organization (WHO) Expert Meeting on Hazards Associated with Animal Feed
Scientific Advisor	International Life Sciences Institute (ILSI) Food, Nutrition, & Safety Program
Panel Member	International Agency for Research on Cancer (IARC) Aflatoxin Control Measures: A Basis for Improved Health in Developing Countries
Resource Advisor	WHO Foodborne Disease Burden Epidemiology Reference Group (FERG) Chemicals & Toxins Task Force
Member	WHO FERG Computational Task Force
Reviewer	Harvard Center for Risk Analysis, Risk Perception Conference
Panel Member	International Life Sciences Institute (ILSI), Environmental Risk Assessment of Genetically Modified Crops
Panel Member	Carnegie Mellon University, Engineering & Public Policy, Air Toxics & Environmental Justice

Editorial Boards

Editorial Board	*Nature – Scientific Reports* (2021-present)
Area Editor, Health	*Risk Analysis* (2012-present)
Consulting Editor	*Archives of Environmental and Occupational Health* (2007-present)
Area Editor	*World Mycotoxin Journal* (2008-present)
Editorial Board	*Risk Analysis* (2008-2011)
Guest Editor	*Environmental Health Perspectives* (indoor air mini-monograph 2007)

Ad-hoc Reviewer for *Science*, *Nature*, and over 30 other journals

Proposal Review Panels

Panel Member	U.S. National Institutes of Health, Special Emphasis Panels (systems modeling and international non-communicable diseases) and NIEHS conference grants
Panel Member	U.S. Department of Defense, Congressionally Directed Medical Research Programs (CDMRP)

Panel Member	USDA Improving Food Safety
Panel Member	U.S. Department of Agriculture, Agricultural Research Service (ARS)
Panel Member	U.S. Environmental Protection Agency, Cumulative Risk Assessment
Panel Member	National Science Foundation, Human and Social Dynamics Program
Panel Member	U.S. Department of Agriculture, Cooperative State Research, Education, and Extension Service (CSREES)
Ad-hoc Reviewer	National Science Foundation, Decision, Risk & Management Sciences

Service in Other Professional and University Organizations

Member	Presidential Transition Committee, Michigan State University
Member	Presidential Search Committee, MSU
Member	Vice President for University Advancement Search Committee, MSU
Member	Provost Search Committee, MSU
Member	Society for Risk Analysis Awards Committee
Member	Food Microbiology Search Committee, Department of Food Science and Human Nutrition, Michigan State University – *Diversity, Equity, and Inclusion Chair*
Co-Chair	Grantwriting Brownbag Seminar Series, Food Science and Human Nutrition, Michigan State University
Member	Agricultural, Food, & Resource Economics Search Committee on Agricultural and Food Policy
Councilor	Society for Risk Analysis
Chair	Communications Committee, Society for Risk Analysis
Chair	Biological Stressors Specialty Group, Society for Risk Analysis
Chair	Risk Communication Specialty Group, Society for Risk Analysis
Advisor	Center for Gender in Global Context, Michigan State University
Member	Department Chair Search Committee, Food Science and Human Nutrition, Michigan State University
Member	Seminar Committee, Department of Food Science and Human Nutrition, Michigan State University
Member	Faculty Search Committee (Chair), International Nutrition, MSU
Member	Faculty Search Committee, Antimicrobial Resistance, MSU
Member	Faculty Search Committee, Food and Health, Biosystems & Agricultural Engineering, Michigan State University
Member	Faculty Search Committee, Department of Environmental and Occupational Health, University of Pittsburgh
Member	Faculty Search Committee, Public Health Dynamics Laboratory, University of Pittsburgh
Member	Faculty Search Committee, Children's Hospital of Pittsburgh Pediatric Environmental Medicine, University of Pittsburgh
Member	Faculty Diversity Committee, Graduate School of Public Health, University of Pittsburgh
Member	Multidisciplinary Master of Public Health (MMPH) Organizing Committee, Graduate School of Public Health, University of Pittsburgh
Juror	Dean's Day (Student Research), Graduate School of Public Health, University of Pittsburgh

Professional Memberships
Society for Risk Analysis (SRA)
Society of Toxicology (SOT)

Mentoring Junior Faculty (formal), Michigan State University
Teresa Bergholz
Courtney Carignan
Elizabeth Gardner
Ilce Medina-Meza
Jade Mitchell
David Ortega
Rita Strakovsky
Robin Tucker

INVITED LECTURES

US National Academies of Science, Engineering, and Medicine (NASEM) Chemistry and Food: Safety, Authenticity, and Other Challenges, 2023
Keynote Speaker: Innovation Platform Meeting, USAID Livestock Systems Innovation Lab, Addis Ababa, Ethiopia, 2023
Featured Speaker: Ethiopian Public Health Institute Seminar, Addis Ababa, Ethiopia, 2023
USAID Food Systems for Nutrition Innovation Lab, Boston, MA 2023
International Association for Food Protection, Toronto, Canada, 2023
Institute for the Advancement of Food and Nutrition Sciences, Washington, DC 2023
USDA NC1183 Meeting: Mycotoxins in a Changing World, Iowa State University, 2023
Symposium Chair: AI in Agriculture. Future of Food Forum, Gainesville, FL, 2023
Keynote Speaker: Linkages Across Cumulative Risk, Environmental Justice, and Climate Change. Society for Risk Analysis Annual Meeting, 2022
USAID Livestock Systems Innovation Lab, Aflatoxin M1 in Milk Webinar, 2022
USDA Foreign Agricultural Service Scientific Panel: Chemical Testing in Food and Agriculture Products, 2022
American College of Medical Toxicology, 2022
American Phytopathological Society, 2022
International Consortium on Applied Bioeconomy Research, 2022
Institute for the Advancement of Food and Nutrition Sciences (IAFNS) Annual Meeting, 2022
Corn Refiners Association, 2022
University of Florida Food Systems Institute, 2022
USAID Bureau for Humanitarian Assistance: Dialogue on Research and Innovation for Future Food Assistance, 2021
International Union of Pure and Applied Chemistry (IUPAC) Congress, 2021
Institute of Food Technologists, 2021
Henry Ford Health System-MSU Building Partnerships in Cancer Research, 2021
USAID Global Nutrition Coordination Plan Webinar on Food Safety and First 1000 Days, 2021
University of California-Davis, Global Nutrition Seminar, 2021
MSU IQ Brews & Views: From Gold to Weevil: Exploring the Science & Ethics of GMOs, 2021
Our Table: Climate Change and Food Security. Michigan State University, 2021

Entomological Society of America, 2020
US Environmental Protection Agency, Biopesticides & Pollution Prevention Division, 2020
Society for Risk Analysis COVID-19 Webinar on Food Safety & Food Security, 2020
Risk Analysis Panel Webinar, Engineering and Public Policy, Carnegie Mellon University, 2020
Closing Bell: A Conversation with MSU Agricultural Economists, 2020
Bug Talk: Entomology Podcast, 2020
Spartan Fireside, MSU (COVID-19, Food Safety): May 4, 2020
Plenary Lecturer, MycoKey Conference, Bari, Italy 2020 (postponed)
Risk Analysis Lecture, University of Stavanger, Norway 2020 (postponed)
Global Nutrition and Livestock Systems, Capitol Hill, Washington, DC 2019
Mars-Wrigley Co. Aflatoxins Mitigation Workshop, Chicago, IL 2019
Robert F. Leader Lecture, Michigan State University, 2019
Toxicology Seminar Series Lecture, Iowa State University, 2019
Great Lakes Crop Summit, Mount Pleasant, MI, 2019
Michigan Academy of Nutrition and Dietetics, 2018
Food Research Institute Symposium, University of Wisconsin, 2018
Innovation in Agrifood Supply Chains, University of California-Berkeley, 2018
World Food Center, University of California-Davis, 2018
Plenary Speaker, Visiting International Professional Program, MSU, 2017.
Cold Spring Harbor Laboratory, Banbury Conference on Opportunities for Reduction of Aflatoxin Contamination in Food, NY, 2017
USAID Livestock Systems Innovation Laboratory Symposium: Nurturing Development, Gainesville, FL 2017
International Life Sciences Institute (ILSI) Annual Meeting, San Diego, CA, 2017
Sustainable Intensification of Agriculture International Workshop, MSU, 2016
Dairy Council Practices Annual Conference (Antibiotic Resistance), 2016
Center for Research on Ingredient Safety Conference, East Lansing, MI 2016
International Food Safety Workshop, Michigan State University, 2016
World Mycotoxin Forum and International Union on Pure & Applied Chemistry (WMF meets IUPAC), Winnipeg, Canada, 2016
Workshop on the Field and Science of Risk Analysis, Ann Arbor, MI, 2016
Fate of the Earth (Plenary Speaker), Michigan State University, 2016
USAID AgriLinks Webinar "Breaking the Mold" (Featured Speaker), 2015
International Life Sciences Institute (ILSI) Annual Meeting, Washington, DC, 2015
W.K. Kellogg Biological Station Research Seminar, Michigan State University, 2015
USAID Bureau for Food Security: Agricultural Policy for Maternal and Child Health Roundtable, 2014
Antibiotic Resistance and the Agriculture-Health Linkage, Office of the Vice President for Research and Graduate Studies Roundtable (OVPRGS), Michigan State University, 2014
Plant Biotechnology for Health and Sustainability 3rd Annual Symposium, MSU, 2014
Center for Integrative Toxicology, Michigan State University, 2014
ILSI Role and Use of Nutritional Studies in Evaluating the Safety of a Food or Ingredient, 2014
International Agency for Research on Cancer (IARC) (Plenary Lecture), Aflatoxin Control Measures: A Basis for Improved Health in Developing Countries, 2014
American Association of Cereal Chemists International (AACCI), Providence, RI, 2014

USDA Foreign Agricultural Service: International Agricultural Biotechnology Group panelist, Michigan State University, 2014
Biotechnology Regulation Immersion Course, University of Missouri, 2014
Global Risk Forum One Health Summit (Keynote Lecture), Davos, Switzerland, 2013
Toxicology Forum-Risk Governance Initiative (Keynote Lecture), Ottawa, Canada, 2013
Aflatoxin Symposium, Center in Molecular Toxicology, Vanderbilt University, 2013
Summer Academy in Global Food Law & Policy, Granada, Spain, 2013
MycoRed Europe Conference, Martina Franca, Italy, 2013
International Aflatoxin-in-Maize Working Group: Global Solutions for Worldwide Problems (Keynote Lecture), USAID/USDA, New Orleans, LA, 2013
Mycotoxins: Triple Threat to African Development, Washington, DC, 2013
The Role of Academic Medical Centers in Addressing Health Disparities Conference (Spotlight Lecture), Pittsburgh, 2012
World Nutrition Forum (Keynote Lecture), Singapore, 2012
MycoRed North America Conference (Keynote Lecture), Ottawa, Canada, 2012
Impact of Mycotoxins on Gut Function & Stunting, Bill & Melinda Gates Foundation, 2012
Conference on Food Security, Purdue University, 2012
International Workshop on Socio-Economic Impacts of Genetically Modified Crops, Seville, Spain, 2011
Nutrition Seminar Series, Johns Hopkins Bloomberg School of Public Health, 2011
Infectious Diseases Series, University of Pittsburgh Graduate School of Public Health, 2011
MycoRed Africa Conference, Cape Town, South Africa, 2011
Society of Toxicology, 2011
World Health Organization (WHO) Foodborne Disease Burden Epidemiology Reference Group and Stakeholders Meeting, Geneva, Switzerland, 2010
Michigan State University, Distinguished Scholars in Toxicology Lecture Series, 2010
World Nutrition Forum (Keynote Lecture), Salzburg, Austria, 2010
World Health Organization (WHO) Foodborne Disease Burden Epidemiology Reference Group, Tunis, Tunisia, 2010
Science 2010, University of Pittsburgh, 2010
Global Health Research Development Seminar, University of Pittsburgh, 2010
Gordon Research Conference on Mycotoxins and Phycotoxins, 2009, 2007, 2005, 2003
International Agency for Research on Cancer (IARC), Lyon, France, 2009
Kenya Stakeholders' Inception Workshop on Aflatoxin Reduction, Nairobi, Kenya, 2009
International Society for Mycotoxicology, Vienna, Austria, 2009
Brookings Institution, 2009
Food for Thought Distinguished Lecture Series, Oregon State University, 2009
Sigma Xi Distinguished Lecture – Environmental and Health Impacts of Transgenic Crops, Indiana University of Pennsylvania, 2009
Sigma Xi Distinguished Lecture: Aflatoxin - Reducing Health Risks Through Public Health Interventions, US Department of Agriculture (USDA), 2009
Sigma Xi Distinguished Lecture: Ethanol and the Environment, Iowa State University, 2008
Sigma Xi Distinguished Lecture: Ethanol and the Environment, University of Nebraska 2008
World Mycotoxin Forum (Plenary Lecture), 2008, 2006, 2005
United Nations Convention on Biological Diversity 4th Meeting of the Parties (MOP4), 2008
Senior Vice Chancellor's Research Seminar, University of Pittsburgh, 2008

National *Fusarium* Head Blight Forum (Plenary Lecture), 2007
USDA Aflatoxin Elimination Workshop, 2007, 2006
Pioneer Hi-Bred International, Inc., 2007
Monsanto Company, 2007
Department of Energy, Energy Codes 2007
US/EU Trans-Atlantic Conference: REACH, 2007
USDA / North American Millers Association, Corn Dry Milling Conference, 2007
USDA APHIS Biotechnology Regulatory Services Seminar, 2007
Biosafety Institute for Genetically Modified Agricultural Products (BIGMAP) Symposium, Iowa State University, 2007
Engineering Sustainability: Mascaro Sustainability Initiative, University of Pittsburgh, 2007
Canadian Institute of Food Science & Technology Conference (Plenary Lecture), 2006
Audubon Society, GMO Food Safety & the Environment, 2006
University of Pittsburgh Board of Trustees Meeting, 2006
Dutch Ministry of Housing Seminar, 2005
4th Canadian *Fusarium* Head Blight Workshop (Keynote Lecture), 2005
Canada Mortgage and Housing Corporation Seminar, 2005
Agricultural, Food, and Resource Economics Seminar, Rutgers University, 2005
Agricultural and Resource Economics Seminar, University of California / Berkeley, 2005
Plant Sciences Seminar, University of California / Davis, 2005
International Workshop on Health Implications of Fungi in Indoor Environments, 2005
USDA Economics of Agricultural Biotechnology Regulation Workshop, 2005
Harvard Workshop on Agricultural Biotechnology for Human Development, 2005
XI International Union of Pure & Applied Chemistry (IUPAC) Symposium on Mycotoxins and Phycotoxins (Plenary Lecture), 2004
Toxicology Forum, 2003
World Congress on Risk, 2003

STUDENTS AND POSTDOCTORAL FELLOWS, CURRENT AND PAST

Advisor, graduated PhD Students

Nikita Saha Turna (2021): Mycotoxin risk assessment in Nigeria. Hiram E. Fitzgerald Engaged Scholar Award, Society of Toxicology Student Award, P. Vincent Hegarty Award, Rachel Schemmel Award.
Jina Yu (2019): Impact of Bt corn on aflatoxin levels in US corn – Winner of Best Dissertation Award 2019, Department of Agricultural, Food, & Resource Economics
Jongwoo Kim (2019): Sustainable intensification of maize production in Tanzania
Denis Male (2017): Dietary diversity to reduce exposure to foodborne toxins in Africa
Juma Mmongoyo (2016): Aflatoxin in Tanzanian sunflower seeds and cakes, and botanicals to reduce *Aspergillus* growth and aflatoxin accumulation
Shaina Stacy (2015): Impacts of hydraulic fracturing on local population health
Erin Bilsten (2013): Mycotoxins in ethanol co-products from transgenic vs. conventional corn
Travis Bui-Klimke (2013): Health and economic implications of mycotoxin regulations worldwide (Keleti Environmental Health Award 2013)
Pornsri Khlangwiset (2011): Cost-effectiveness of aflatoxin interventions in Africa (Keleti Environmental Health Award 2010, Delta Omega Thesis Award 2007)

Yan Liu (2011): Global burden of aflatoxin-induced diseases (Rosenkranz Public Health Significance Award 2010; Student Merit Award, Society for Risk Analysis 2009)
Tianxiu Wang (2016): Risk assessment of aristolochic acid

Advisor, Graduated MS Students
Vivian Chiang (2021): Vip-containing Bt Corn and Aflatoxin Reduction in Southern US States

Primary Advisor, PhD, MS, and MPH Students
Thomas Biksey: Environmental health impacts of alternative fuel sources
Pin-Yi Hsu: Aflatoxin M1 and other contaminants of milk and dairy products
Ashish Pokharel: PM2.5 from agricultural tilling, and human health effects
Rubait Rahman: Low-moisture food systems – cost of illness of foodborne outbreaks in US
Ziwei Ye: Total social welfare effects of transgenic crops and agricultural inputs. Best PhD Presentation (AFRE 2020).

Postdoctoral Research Fellows and Research Assistant Professors
Chen Chen: Risk assessment of antimicrobial resistance from animal agriculture
Nicole Mitchell: Aflatoxin exposure and child growth impairment

PhD/MS/MPH Committee Member
Saud Almatairi: Risk ranking of different contaminants in apples and apple products
Jennifer Boekeloo: Comparison of health care plans
Rahul Dhar: Urbanization and obesity: global trends and "bending the curve"
Amber Goguen: Ecosystem services produced by recreational hunting
Ying Guo: PFAS in food and environmental systems
Kelsey Hopkins: Halal meat and food fraud risks
Jongwoo Kim: Sustainable intensification of legume production on agriculture and health
Maria Kloboves: Maternal exposures to phthalates and impacts to infant health
George W. Mitchell: Adolescent behavioral health
Juma Mmongoyo: Oilseed nutritional and toxin composition in Tanzania
Kelsi Morris: Maternal/child exposures to environmental chemicals
Diana Pacyga: Impact of maternal exposures on infant obesity and other health risks
Charuta Parkhi: Antibiotics in Nigerian poultry farming
Kristen E. Sonon: Mental health in nursing homes
Shen Tian: Incorporation of human health risk assessment into life cycle assessment
Maxine Wright Walters: Health disparities in pediatric asthma
Ruoxi Xia: Economic impact of efforts to reduce *Fusarium* head blight in Canadian wheat
Shuting Yang: Effects of over-stratification in survival analyses
So-Jung Youn: The role of fisheries in global food security

Advisor, Undergraduate Students
Miles Kaltenbach: Life cycle assessment of water use and water quality from ethanol production from corn vs. switchgrass
Zachary Mehal: Economic impacts of transgenic Bt maize in United States and South Africa

COURSES TAUGHT, PAST AND PRESENT

Michigan State University
FSC 844 (Primary Instructor): Risk Assessment of Foodborne Chemicals and Toxins
FSC 891 (Primary Instructor): Food and Environmental Risk Assessment
FSC 890 (Primary Instructor): Concepts in Agricultural Health
FSC 807 (Guest Lecturer, P.I. James Pestka): Food Toxicology
HNF 823 (Guest Lecturer, P.I. Sharon Hoerr): Research Methods in Human Nutrition
CEP 991B (Guest Lecturer, P.I. Kenneth Frank): Social Networks
SCM 303 (Guest Lecturer, P.I. John Spink): Introduction to Supply Chain Management
Coca-Cola Webinar on Food Safety Risk Assessment

University of Pittsburgh
EOH 2180: Introduction to Risk Sciences (James L. Craig Teaching Award nomination)
EOH 2181: Environmental Risk Assessment Practicum (Craig Teaching Award nomination)
EOH 2513: Critical Issues in Bioterrorism
PUBHL 2009: Critical Issues in Global Health

PAST POSITIONS

U.S. Environmental Protection Agency, National Center for Environmental Economics (NCEE) and Biopesticides & Pollution Prevention Division (BPPD), Research Fellow, 2001
International Institute of Applied Systems Analysis, Young Scientist Program, 2000
Harvard Medical School – Brigham & Women's Hospital Circadian & Neuroendocrine Disorders Division, Research Assistant, 1996-1998
Sandia National Laboratories (Applied and Numerical Mathematics Division; Computational Biology Division), Summer Intern, 1995-1997

CITIZENSHIP AND OTHER ACTIVITIES

Citizenship: USA

- Co-President, Alumnae-i Network for Harvard Women (ANHW) Michigan
- Board of Directors, Harvard Agri-Food
- Black belt (2nd Dan) in Taekwondo
- 2017 USA Taekwondo National Championships: 11th of 28 poomsae competitors in Women's 40+ Division
- Michigan State University Choral Union
- Violin I with Edgewood Symphony Orchestra and The Uncommon Quartet, 2011-2013
- 2013 performance in WQED Pittsburgh 40th Anniversary Celebration: https://www.youtube.com/watch?v=bNQJuVzEXZ8
- Violin II with Pittsburgh Symphony Orchestra Community Side-By-Side Concert, 2012