

# Di Fang, PhD

Personal Site

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## EDUCATION

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- **Arizona State University** Mesa, AZ  
• *PhD in Agribusiness (advisor: Timothy Richards)* 2015
- **Nankai University** Tianjin, China  
• *BS in Economics* 2009

## ACADEMIC POSITIONS

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- **Associate Professor (with tenure)** Gainesville, FL  
• *University of Florida* 2022 -
- **Faculty Affiliate**  
• *UF Center for Drug Evaluation and Safety* 2022 -
- **Faculty Affiliate**  
• *UF Global Food Systems Institute* 2022 -
- **Associate Professor (with tenure)** Fayetteville, AR  
• *University of Arkansas* 2021 - 2022
- **Assistant Professor** Fayetteville, AR  
• *University of Arkansas* 2015 - 2021

## PROFESSIONAL EXPERIENCE

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- **Co-Editor**  
• *The Agricultural and Resource Economics Review (ARER)* 2022 - 2024
- **Research Economist** Cambridge, MA  
• *National Bureau of Economic Research (NBER)* 2016 - 2018

## HONORS AND AWARDS

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Top cited AJAE article in 2021

Best Paper Award, Canadian Journal of Agricultural Economics, 2019.

James J. Sweitzer Memorial Scholarship, Arizona State University, 2014.

W.P. Carey School of Business Research Fellowship, Arizona State University, 2009.

## PUBLICATIONS

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\* indicates student coauthor

1. Hopper, Kaylea\*, **Di Fang**, Darya L. Zabelina, Yung Hung, Joshua D. Upshaw, and R. M. Nayga. 2023. "The Effect of a 5-Minute Body Scan Mindfulness Intervention on Healthier Food Choices" *Q Open*: qoad004.
2. Dsouza, Alwin, **Di Fang**, Wei Yang, Nathan P. Kemper, and Rodolfo M. Nayga. 2023. "Consumers' Valuation for a Novel Food Waste Reducing Technology: The Case of Natural Coating." *Journal of the Agricultural and Applied Economics Association (JAAEA)*. <https://doi.org/10.1002/jaa2.4714>
3. Picasso, Valentin D., Marisol Berti, Kim Cassida, Sarah Collier, **Di Fang**, Ann Finan, Margaret Krome et al. 2022. "Diverse perennial circular forage systems are needed to foster resilience, ecosystem services, and socioeconomic benefits in agricultural landscapes." *Grassland Research* 1, no. 2: 123-130.
4. Bongkyun Kim, Michael R. Thomsen, Rodolfo M. Nayga, **Di Fang**, and Anthony Goudie. 2022. Impact of Weight Status Reporting on Childhood Body Mass Index. *Childhood Obesity*. <http://doi.org/10.1089/chi.2021.0245>
5. **Fang, D**, Thomsen M., Nayga Jr., R., and Yang W. 2021. Food Insecurity During the COVID-19 Pandemic: Evidence from a Survey of Low-Income Americans. *Food Security*. <https://doi.org/10.1007/s12571-021-01189-1>
6. **Fang, D**, Thomsen M., and Nayga Jr., R. 2021. Food Insecurity and Mental Health During the Pandemic. *BMC Public Health*. 21, 607. <https://doi.org/10.1186/s12889-021-10631-0>
  - NPR KUAF coverage
  - Cited in the "White House Strategy on Hunger, Nutrition, and Health"
7. Chen, Z.\*, **Fang, D.**, Dornelles, A., Wilson, J. 2021. Impacts on Knowledge and Testing on HIV in Waves of Mozambique surveys with Bayes Estimates. *PlosOne*. DOI:10.1371/journal.pone.0244563.

8. **Fang, D.**, Nayga, RM, West, G, Bazzani, C, Yang, W, Lok, B, Levy C and Snell H. 2020. On the Use of Virtual Reality in Mitigating Hypothetical Bias in Choice Experiments. *American Journal of Agricultural Economics*. DOI: 10.1111/ajae.12118.
  - Top cited AJAE article in 2021
9. **Fang, D**, Fomebelle, P, and Bolton, RN. 2020. How Peers' Social Identities and Relationship Characteristics Influence Membership Length, Visits and Donations In Nonprofit Settings. *Journal of Service Research*. DOI: <https://doi.org/10.1177/1094670520933676>.
10. **Fang, D.**, Liang A, Wilson, JR. 2020. Modeling Separate and Simultaneous Response in Hierarchical Model: Applications in Mozambique Survey Data. *Archives of Public Health*. DOI: <https://doi.org/10.1186/s13690-020-00453-8>.
11. Kim, B, Thomsen, MR, Nayga Jr. RM, **Fang, D**, and Goudie A. 2020. Move more, Gain less: Effect of a Recreational Trail System on Childhood BMI. *Contemporary Economic Policy*. 38(2): 270-288.
12. **Fang, D**, Richards, TJ, Grebitus, C. 2019. Modeling Product Choices in a Peer Network: The Case of Fitness Trackers. *Forum for Health Economics and Policy*. 22(1). DOI: <https://doi.org/10.1515/fhep-2018-0007>.
13. **Fang, D**, Nayga Jr., R, Snell, H, West, G, and Bazzani, C. 2019. Evaluating the New Nutrition and Supplement Facts Label: Evidence From a Non-Hypothetical Choice Experiment. *Journal of Consumer Policy*. 42(4): 545-562.
14. **Fang, D**, Thomsen, MR, Nayga Jr. RM, and Novotny AM. 2019. WIC Participation and Relative Quality of Household Food Purchases: Evidence from FoodAPS. *Southern Economic Journal*. 86(1): 83-105.
  - Fang, D, Thomsen, MR, Nayga, RM, and Novotny, AM. 2018. WIC participation and relative quality of household food purchases: Evidence from FoodAPS. *Working Paper 25291, National Bureau of Economic Research*.
15. **Fang, D**, Rhodes R, and Irimata, K. 2019. Modeling Obesity with Time-dependent Covariates Accounting for Feedback: A GMM Logistic Regression Model. *Epidemiology, Biostatistics and Public Health*. 16 (1).
16. Wang, B\*, Zheng, Y, **Fang, D**, Kamarianakis, Y, and Wilson, J. 2019. Split Cluster Bootstrap Hierarchical Modeling Abuse of Antibiotics in China. *Statistics in Medicine*. 38(12): 2282-2291.
17. **Fang, D**, Thomsen, MR, Nayga Jr, RM, and Goudie, A. 2018. Association of Geographic Spatial Factors in Neighborhoods with Rates of Childhood Obesity. *JAMA Network Open*. 1(4): e180954.
18. **Fang, D**, and Richards, TR. 2018. New Maize Variety Adoption in Mozambique: A Spatial Approach. *Canadian Journal of Agricultural Economics*. 66(3):469-488.
  - Outstanding CJAE Article Award
19. **Fang, D**, Sun, R, and Wilson, JR. 2018. Joint Modeling Of Correlated Binary Outcomes: The Case Of Contraceptive Use and HIV Knowledge in Bangladesh. *PLOSOne*. 13(1), Pp.E0190917-E0190917.
20. Chen, DG, **Fang, D**, and Wilson JR. 2017. Meta-Analysis of Two Studies with Random Effects? A perspective. *Journal of Minimally Invasive Gyn*. 5:8.
21. **Fang, D** and Wilson JR. 2017. Does Your Model Really Provide Answers for Your Research Questions? A perspective. *Journal of Minimally Invasive Gyn*. 24:3.
22. Pu, J\*, **Fang, D**, and Wilson JR. 2017. Impact of Communities, Health, and Emotional-related Factors on Smoking Use: Comparison of Joint Modeling of Mean and Dispersion and Bayes' Hierarchical Models on ADD Health Survey. *BMC Medical Research Methodology* 17(1): 20.
23. **Fang, D**, Chong, J, and Wilson, JR. 2015. Predicted Probabilities' Relationship to Inclusion Probabilities. *American Journal of Public Health*.105(5): 837-839.
24. **Fang, D**, Richards, TJ, and Bradley R. 2015. Optimal Licensing of Agricultural Patents: Fees versus Royalties. *Journal of Agricultural and Resource Economics*. 40: 1-22.
25. Richards, TJ, William, JA, and **Fang D**. 2013. Media Advertising and Ballot Initiatives: The Case of Animal Welfare Regulation. *Contemporary Economic Policy*. 31: 145-162.
26. Chan-Halbrendt C, **Fang, D**, and Yang F. 2009. Trade-off between Shopping Bags Made of Non-Degradable Plastics and Other Materials: The Case of Tianjin, China. *Intl Food and Agribusiness Management Review*. 12(4): 179-197.

## WORKING PAPERS

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\* indicates student coauthor

1. Expertise Overlap and Team Productivity: Evidence from the Hospital Industry (with Danyelle Branco, Bladimir Carrilo and Wilman Iglesias) Under review.
2. Universal Free Meals and School Suspensions (with Andres Cuadros-Meñaca, Michael Thomsen, and Rudy Nayga). Under review.
3. Can a Budget Reminder Script Reduce Hypothetical Bias in Discrete Choice Experiments? (with Arsene Agossadou\* and Rudy Nayga). Under review.
4. Does sustainability information trick your sensory? The case of bird-friendly coffee (with Klaus Grunert, Han-Seok Seo, Victoria Hogan\*, and Rudy Nayga). Under review.
5. Aligning Values to Labels: A Best-Worst Analysis of Food Labels (with Alexandria McLeod\*, Wei Yang\*, and Rudy Nayga). R&R at *Agricultural and Resource Economics Review*.
6. An Experimental Approach to Beef Carbon Tax Earmarks (with Wei Yang\*, Jada Thompson, and Rudy Nayga). Under review.
7. Access to Off-Farm Income and Body Mass Index amongst Agrarian Women in Sub-Saharan Africa (with Francis Tisboe and Paul Aseete). Under review.
8. The Effects of Green Space Exposure on Productivity: A Field Experiment (with Tongzhe Li, Mark Patton, Roberto Cardenas-Retamal, and Danielle Roy). Near submission.
9. Mental health among students (with Xi Zhang\*). Work-in-progress.
10. Disparities in Food Price Inflation during the COVID-19 Pandemic (with Qingxiao Li and Michael Thomsen). Work-in-progress.
11. Water pollution and infant health (with Weizhe Weng and James Ji). Work-in-progress.
12. School reforms and long-term health outcomes (with Bladimir Carrilo). Work-in-progress.

## GRANTS

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1. NSF Convergence Accelerator, Track J: Data-driven Agriculture to Bridge Small Farms to Regional Food Supply Chains *National Science Foundation*, 2023-2024. **\$750,000** (Awarded Dec 2022). PI: Meredith Adkins (University of Arkansas). My Role: Senior Personnel.
2. Through the Grapevine: Building Research and Extension Potential between Subgenera *Vitis* and *Muscadinia* for the U.S. Grape Industry (PI: Threlfall). *USDA Specialty Crop Research Initiative*, 2022-2023. **\$50,000** (Awarded Aug 2022). PI: Renee Threlfall (University of Arkansas). My Role: Co-PI.
3. SNAP Purchasing Power and Food Insecurity During the Pandemic. *Robert Wood Johnson Foundation (RWJF) Healthy Eating Research Program*, 2022-2023, **\$88,000** (Awarded May 2022), My Role: PI.
4. Fostering Resilience and Ecosystem Services in Landscapes by Integrating Diverse Perennial Circular Systems (PI: Picasso). *USDA-AFRI SAS CAP*, 2021-2025, **\$10 million** (Awarded Sep 2021). PI: Valentin Picasso (University of Wisconsin). My Role: Co-PI.
5. Healthy People Healthy Planet, a Food Desert Program at the University of Arkansas at Pine Bluff and Fayetteville, AR (PI: Harris). *USDA NIFA-AFRI*, 2021-2022. **\$349,442** (Awarded May 2021). PI: Karleah Harris (University of Arkansas at Pine Bluff). My Role: Co-PI.
6. Evaluation Of Double Up Food Bucks In Arkansas. *University of Arkansas Center for Human Nutrition*, 2017 Arkansas Nutrition, Obesity, and Health Research Pilot Project Grants. **\$50,000** (Awarded April 2018), My Role: PI.
7. The Economic Geography of WIC. *National Bureau of Economic Research (NBER)*, Economics of Food Security, Nutrition, and Health: Insights from FoodAPS Program. **\$77,656** (Awarded March 2016), My Role: PI.

## Invited Seminars

- Online Agricultural and Resource Economics Seminar (OARES), April 2023.
- RWJF Health Eating Research Conference, Duke University, March 2023.
- University of Gueph, Ag Econ Dept. Feb 2023.
- University of Florida, Econ Dept. Jan 2023.
- Texas A&M University, Ag Econ Dept., Jan, 2023.
- University of Idaho, Ag Econ Dept., Nov, 2020.
- West Lake Youth Forum. Hangzhou, China. June, 2019.
- Nanjing Forum for Public Health. Nanjing, China. June, 2019.
- Arizona State University, Agribusiness, March, 2019.
- University of Pretoria, Pretoria, South Africa. July, 2018.
- Toulouse School of Economics, Toulouse, France. June, 2018.
- Jinan University, Guangdong, China. June, 2017.

## Conferences

Presenter is underlined.

- Danyelle Branco, Bladimir Carrillo, Fang D, Wilman Iglesias. Expertise Overlap, Team Productivity, and Patient Mortality: Evidence from Doctors in Brazil. The Allied Social Science Associations (ASSA) Annual Meeting, New Orleans, Louisiana, Jan 5-8, 2023.
- Mcleod, A., Fang, D., Yang, W., Nayga, Rodolfo, "Aligning Values to Labels: A Best-Worst Analysis of Food Labels." Agricultural& Applied Economics Association (AAEA) Annual Meeting, Anaheim, CA, July 31 -Aug 2. 2022.
- Wang, X and Fang, D., "Perception of food and nutritional health in online restaurant reviews" Agricultural& Applied Economics Association (AAEA) Annual Meeting, Anaheim, CA, July 31 -Aug 2. 2022.
- Thomsen, M, Fang D, Nayga R., and Lewis, K. 2021. Impact of School Exposure on Body Mass Index of Early Elementary Children. Agricultural& Applied Economics Association (AAEA) Annual Meeting, Austin, Texas, August 1- 3. 2021
- Fang, D, Nayga R., West G., Yang W., and Bazzani C. 2019. On the Use of Virtual Reality in Mitigating Hypothetical Bias in Choice Experiments. Agricultural& Applied Economics Association (AAEA) Annual Meeting, Atlanta, Georgia, July 21- 23.
- Fang, D, Nayga R., West G., Snell H., and Bazzani C. 2019. Evaluating US's New Nutritional Labels. AAgricultural& Applied Economics Association (AAEA) Annual Meeting, Atlanta, Georgia, July 21- 23.
- Rui C., Fang, D., Hartarska, V. 2019. The Affordable Care Act: Does the ACA Dependent Coverage Mandate Mean Less Out-of-pocket Health Care Expenditure and Health Care Utilization? Agricultural& Applied Economics Association (AAEA) Annual Meeting, Atlanta, Georgia, July 21- 23.
- Fang, D, Nayga R., Thomsen M., and Novotny A. 2017. The Economic Geography of WIC. Final Conference Meetings of National Bureau of Economic Research, Washington D.C., Dec 7-8.
- Fang, D, Richards, T.J., and Grebitus C. 2017. Modeling Product Choices in a Peer Network. Selected Paper presented at Southern Agricultural Economics Association (SAEA)Annual Meeting, Mobile, Alabama, February 4- February 7.
- Fang, D, Nayga R., Thomsen M., and Novotny A. 2017. The Economic Geography of WIC Pre-Conference Meetings of National Bureau of Economic Research, Cambridge, Massachusetts, Feb 2-Feb 3.
- Fang, D, Rhodes, R, and Wilson JR. 2016. GMM Logistic Regression Model for Obesity with Time-Dependent Covariates. Selected Paper to be presented at American Public Health Association Annual Meeting & Expo, Denver, Colorado, Oct 29-Nov 2.
- Fang, D and Richards, T.J. 2016. Variety Adoption in Mozambique. Selected Paper presented at Agricultural & Applied Economics Association (AAEA) Annual Meeting, Boston, Massachusetts, July 31- Aug 3.

- Fang, D, Richards, T.J., and Grebitus C. 2016. Modeling Product Choices in a Peer Network Selected Paper presented at Agricultural & Applied Economics Association (AAEA) Annual Meeting, Boston, Massachusetts, July 31- Aug 3.
- Rhodes, R, Wilson J, and Fang, D. 2016. GMM Logistic Regression Model for Obesity with Time-Dependent Covariates Add Health User Conference, Bethesda, Maryland, June 20-22.
- Fang, D, Chong J, and Wilson, JR. 2014. Comparative Predicted Probabilities based on Retrospective Data with Binary Links Joint Statistical Meetings, Boston, Aug 2-7.
- Fang, D and Richards, T.J. 2014. New Product Adoption in a Friendship Network using Spatial Lag Model AAEA Annual Meeting, Minneapolis, July 27-29.
- Fang, D and Richards, T.J. 2012. Innovation and Patents Pricing Strategies 34th Marketing Science Annual Conference, Boston, USA, June 7-9.
- Fang, D and Richards, T.J. 2012. Optimal Patent Strategy: Fees vs. Royalties WAEA Conference, Colorado, June 20-22.

## Posters

- Chen, R. , Fang, D. 2020. The Affordable Care Act: Out-of-pocket Health Care Expenditure and Health Care Utilization., Selected Poster presented at Agricultural & Applied Economics Association (AAEA) Annual Meeting, virtual, United States, August 10.
- Narh, A., Fang, D. 2020. The Impact of the Patient Protection and Affordable Care Act's Pre-existing Condition Mandate on Healthcare Utilization and Expenditure, Selected Poster presented at Agricultural & Applied Economics Association (AAEA) Annual Meeting, virtual, United States, August 10.
- Chen, R., Fang, D. 2020. The Affordable Care Act Depended Coverage Expansion: Does the ACA Improve Young Adults' Income, Health Care Utilization and Expenditure, Selected Poster presented at The American Society of Health Economists (ASHEcon) Annual Meeting, virtual, United States, June 9.
- Fang, D., Thomsen, M. R., Nayga, R. M. 2020. The Impact of Transitory Children on Children's Weight Outcomes, Selected Poster presented at The American Society of Health Economists (ASHEcon) Annual Meeting, virtual, United States, June 8.
- Fang, D 2017. Joint Modeling of Contraceptive Use and HIV in Bangladesh . Selected Poster presented at Agricultural & Applied Economics Association (AAEA) Annual Meeting, Chicago, Illinois July 30- Aug 1.
- Allender, W, Richards, T.J, and Fang, D. 2011. Media Advertising and Ballot Initiatives: An Experimental Analysis AAEA & NAREA Joint Annual Meeting, Pittsburg, July 24-26.

## TEACHING

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- Topics in Health Economics, AEB 6933 (PhD Level), University of Florida, Food and Resource Economics Dept.. Taught in the fall semester every other year.
- International Agribusiness Marketing, AEB 6675 (Master's Level), University of Florida, Food and Resource Economics Dept.. Taught in the spring semester.
- Econometrics I, AGECE 5613 (Master's Level), University of Arkansas, Department of Agricultural Economics and Agribusiness. Taught in Spring semester 2017-2022.
- Food Economics and Health, AGECE 5603 (Master's Level), University of Arkansas, Department of Agricultural Economics and Agribusiness. Taught in Spring semester 2017-2022.
- Food Economics and Health, AGECE 4603 (Undergrad Level), University of Arkansas, Department of Agricultural Economics and Agribusiness. Taught in Spring semester 2017-2022.
- Principle of Agricultural Microeconomics, AGECE 1103 (Undergrad Level), University of Arkansas, Department of Agricultural Economics and Agribusiness. Taught in Spring 2016.
- Small Business Accounting and Finance, BUA 381 (Undergrad Level), Arizona State University. Taught in Spring 2013 and Fall 2014.

## Doctoral dissertation advising

1. Jinyang Li (in progress), Food and Resource Economics Dept., University of Florida (Chair).
2. Roberto Cardenas Retamal (in progress), Food and Resource Economics Dept., University of Florida (Co-Chair).
3. Xi Zhang (in progress), Department of Economics, University of Florida (member of dissertation committee).
4. Wei Yang (in progress), Department of Environmental Dynamics, University of Arkansas (member of dissertation committee). Dissertation topic: The impact of climate change on health.

## Master's thesis advising

1. Alexis Skinner (in progress), Department of Agricultural Economics & Agribusiness, University of Arkansas (Chair of thesis committee). Thesis topic: Measuring food insecurity using anchoring vignettes.
2. Arsene Agossadou (2022), Department of Agricultural Economics & Agribusiness, University of Arkansas (Member of thesis committee). Thesis topic: Approaches to reduce hypothetical bias in choice experiments.
3. Cami Farmer (2021), Department of Agricultural Economics & Agribusiness, University of Arkansas (member of thesis committee). Thesis topic: Dollar stores and supermarket survivability in non-metropolitan US communities.
4. Kimberly Oliver (2021), Department of Agricultural Economics & Agribusiness, University of Arkansas (member of thesis committee). Thesis topic: Economic potash fertilizer rate recommendations.
5. Maimuna Begum (2021), Department of Agricultural Economics, Ghent University (outside member of thesis committee). Thesis topic: Consumer expectations towards GM crops in Bangladesh: a case of golden rice.
6. Kaylea Hopfer (2021), Department of Agricultural Economics & Agribusiness, University of Arkansas (Chair of thesis committee). Thesis topic: The impact of mindfulness on healthy food choices.
7. Colton Henderson (2020), Department of Agricultural Economics & Agribusiness, University of Arkansas (Chair of thesis committee). Thesis topic: Evaluation of Double-Up-Food-Bucks program in Arkansas.
8. Daniel Gilmour (2018), Department of Agricultural Economics & Agribusiness, University of Arkansas (member of thesis committee). Thesis topic: Consumers' willingness to pay for hydroponic lettuce.

## PROFESSIONAL SERVICE

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Panel Reviewer, New Frontiers in Research Fund Canada 2022

Reviewer, Alliance - Tier I Research Program in Canada, Nov 2021

Reviewer, USDA HATCH grant, July 2021

Review Panel, USDA NIFA-AFRI, 2018, 2019

Chair-Elect, AAEA Health Economics Section, 2021

Awards Committee, AAEA, 2022-2024

Communication Committee, ASHEcon, 2020-2022

Advisory Board, Center for Human Nutrition, University of Arkansas, 2017-

Advisory Board, Center for Agricultural and Rural Sustainability, University of Arkansas, 2021-

Board of Directors, China Health Policy and Management Society (CHPAMS), 2022-2024

Ad-hoc Reviewing for Journals: *American Journal of Agricultural Economics*, *American Journal of Health Economics*, *Journal of Health Economics*, *Review of Industrial Organization*, *Journal of Service Research*, *Agricultural Economics*, *Food Policy*, *European Review of Agricultural Economics*, *Australian Journal of Agricultural and Resource Economics*, *Journal of Behavioral and Experimental Economics*, *China Agricultural Economics Review*, *Land Economics*, *PLOSOne*, *Nutrients*, *Agribusiness: an International Journal*, *BMJ open*

## REFERENCES

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available upon request