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Education

- **Morrison School of Agribusiness, W. P. Carey School of Business, Arizona State University, U.S.**
Ph.D. in Business Administration (Agribusiness) 2015 - 2020
- **Center for International Trade and Development, Jawaharlal Nehru University, New Delhi, India**
M.Phil. in Economics 2011 - 2013
- **Gokhale Institute of Politics and Economics, Pune, India**
M.A. in Economics 2008 - 2010
- **University of Calcutta, India**
B.Sc. in Economics 2004 - 2007

Research Interests

Quantitative Methods, Production Economics, Food Supply Chain, Food Waste, Food Access, Food Security, and Applied Econometrics.

Publications

- Peer-reviewed papers

Dsouza, A., Meerza, S. I. A., Rahul, M., & Afsana, A. (2025). "Exploring Public Perception Towards Gene-Edited and Genetically Modified Foods in the United States: An Application of the Spiral of Silence Theory". *Agribusiness*.

Meerza, S. I. A., Mottaleb, K., & **Dsouza, A.** (2025). "Good News or Bad News First? The Impact of Sequential Information and Recency Bias on Consumers' Valuations of Zinc Rice". *Agribusiness*.

Dsouza, A., Regmi, M., Crawford-Garrett, B., Dhanapal, K., Acharya, R., & Patrick, M. (2025). "Does the Double-Up Food Bucks program benefit participating producers and consumers? Evidence from New Mexico". *Agricultural Finance Review*.

Meerza, S. I. A., **Dsouza, A.**, Ahamed, A., & Mottaleb, K. (2024). "Risk propensity and acceptance of gene-edited and genetically modified food among US consumers: a comparison between plants and animal products". *Journal of Agricultural and Applied Economics*, 575-596.

Kopp, T., **Dsouza, A.**, & Mishra, A. K. (2024). "The relation between contract type and market power: Evidence from a high-value crop in India." *Food Policy*, 127, 102683.

Sapkota, S. C., **Dsouza, A.**, & Acharya, R. N. (2024). "Impact of online grocery and food delivery services on food insecurity: a case of US households, before and during the COVID-19 pandemic." *Journal of Agribusiness in Developing and Emerging Economies*.

Meerza, S. I. A., Mottaleb, K., **Dsouza, A.**, Rahaman, M. S., & Sarkar, M. A. R. (2023). "Consumers' valuation of a biofortified crop: Evidence from a laboratory experiment." *Agricultural Economics*, 54(5), 697-708.

Dsouza, A., Fang, D., Yang, W., Kemper, N.P. & Nayga Jr, R.M. (2023). "Consumers' valuation for a novel food waste reducing technology: The case of natural coating." *Journal of the Agricultural and Applied Economics Association*, 1-14.

Dsouza, A., Mishra, A., & Webster, S. (2021). "Assessing post-harvest losses under vertical coordination: evidence from an emerging economy." *Applied Economic Perspectives and Policy*.

Mishra, A. K., Kumar, A., Joshi, P. K., & **Dsouza, A.** (2020). "Monopsonists, Disruptive Innovation, and Food Security: The Case of High-Value Commodity." *Applied Economic Perspectives and Policy*, 44(1), 460-476.

Dsouza, A., Mishra, A., & Hirsch, S. (2019). "Enhancing food security through diet quality: The role of non-farm work in rural India." *Agricultural Economics*, 51(1), 95-110.

Mishra, A. K., Kumar, A., Joshi, P.K., & **Dsouza, A.** (2018). "Production risks, risk preference, and contract farming: Impact on food security in India." *Applied Economic Perspectives and Policy*, 40 (3), 353-378.

Mishra, A.K., Kumar, A., Joshi, P.K., & **Dsouza, A.** (2018). "Impact of contract farming on yield, costs, and profitability in low-value crop: Evidence from a low-income country." *The Australian Journal of Agricultural and Resource Economics*, 62 (4), 589-607.

Mishra, A. K., Kumar, A., Joshi, P. K., & **Dsouza, A.** (2018). "Cooperatives, contract farming, and farm size: The case of tomato producers in Nepal." *Agribusiness*, 34(4), 865-886.

Mishra, A.K., Kumar, A., Joshi, P.K., **Dsouza, A.**, & Tripathi, G. (2018). "How can organic rice be a boon to smallholders? Evidence from contract farming in India." *Food Policy*, 75, 147-157.

Dsouza, A., & Mishra, A.K. (2018). "Adoption and abandonment of partial conservation technologies in developing economies: The case of South Asia." *Land Use Policy*, 70, 212-223.

Keil, A., **Dsouza, A.**, & McDonald, A. (2017). "Zero-tillage is a proven technology for sustainable wheat intensification in the Eastern Indo-Gangetic Plains: what determines farmer awareness and adoption?" *Food Security*, 9(4), 723-743.

Dsouza, A., & Ray, A.S. (2017). "Structural transformation in North-Eastern Region of India: Charting out an agriculture-based development policy." *Agrarian South: Journal of Political Economy*, 6 (3), 373-394.

Mishra, A.K., Kumar, A., Joshi, P.K., & **Dsouza, A.** (2016). "Impacts of contracts in high yielding varieties seed production on profits and yield: The case of Nepal." *Food Policy*, 62, 110-121.

Parikh, K., Ghosh, P., **Dsouza, A.**, & Binswanger-Mkhize, H.P. (2016). "Consumer demand system for long-term projections." *Indian Journal of Agricultural Economics*, 71 (2), 113-136.

Keil, A., **Dsouza, A.**, & McDonald, A. (2016). "Growing the service economy for sustainable wheat intensification in The Eastern Indo-Gangetic Plains: lessons from custom hiring services for zero tillage." *Food Security*, 8 (5), 1011-1028.

Dsouza, A., Singh, S., & Ranjan, R. (2015). "Does socio-religious identity lead to structural disadvantage? Evidence from the Indian labour market." *Indian Journal of Labour Economics*, 58, 545-561.

Keil, A., **Dsouza, A.**, & McDonald, A. (2015). "Zero-tillage wheat as a pathway for sustainable intensification in the Eastern Indo-Gangetic Plains: Does it work in farmers' fields?" *Food Security*, 7 (5), 983-1001.

Bathla, S., & **Dsouza, A.** (2015). "Inter-sectoral productivity differential in India: Is convergence achievable?" *South Asia Economic Journal*, Sage Publications, 16(1), 82-102.

Bathla, S., Bhattacharya, P., & **Dsouza, A.** (2015). "India's national food security act 2013: Food distribution system or food stamps and cash transfers?" *Agricultural Economics Research Review*, AERA (India), 28 (1), 39-55.

Binswanger-Mkhize, H.P., & **Dsouza, A.** (2015). "Structural change at the state level in India: 1980-2010." *Agricultural Economics Research Review*, AERA (India), 28 (1), 27-38.

- **Book Chapters**

Vishnu, K., Gillanders, R., Jha, C. K., **Dsouza, A.** (2025). *Corruption and SDG 2: Zero Hunger in Corruption and the Sustainable Development Goals*. Routledge.

Vishnu, K., & **Dsouza, A.** (2021). Role of transaction costs in modern retail chains: Empirical evidence from India. In *Transforming Agriculture in South Asia: The Role of Value Chains and Contract Farming*, edited by A.K. Mishra, A. Kumar, & P. K. Joshi, Routledge.

Mishra, A. K., Kumar, A., & **Dsouza, A.** (2020). Contract farming and its impact on fertilizer usage: Evidence from India. In *Transforming Agriculture in South Asia: The Role of Value Chains and Contract Farming*, edited by A.K. Mishra, A. Kumar, & P. K. Joshi, Routledge.

Dsouza, A., Mishra, A. K., & Sonoda, T. (2020). Impact of Casual and Permanent Off-Farm Activities on Food Security: The Case of India. In *The Role of Smallholder Farms in Food and Nutrition Security* edited by S.G. Paloma, L. Riesgo, & K. Louhichi, Springer.

Presentations at Conferences

Meerza, S. I. A., Mottaleb, K., & Dsouza, A. (2025). "Consumer Valuations of Zinc Rice: A Tale of Positive, Negative, and Weight of Memory", *Agricultural and Applied Economics Association*, Denver, CO.

Dsouza, A., Wei, Y., and Meerza, S. I. A. (2025). "Consumers' valuation of a new household food waste reducing technology: A case of Gene-edited Mushrooms", *Agricultural and Applied Economics Association*, Denver, CO.

Dsouza, A., and Carlos, C. (2025) "MODEXL track session", *Agricultural and Applied Economics Association*, Virtual.

Kopp, T., Dsouza, A., and Mishra, A. (2025) "Reducing Negative Effects of Risk Aversion on Farming Outcomes: Evidence for Systematic External Selection into Profitable Contracts", *99th Annual Conference of the Agricultural Economics Society*, Bordeaux School of Economics, France.

Dsouza, A., Meerza, S. I. A, Rahul, M., & Ahamed, A. (2025). "U.S. Consumer Preferences Towards Gene-edited Foods vs. Genetically Modified Foods", *Southern Agricultural Economics Association*, Dallas, Texas

Dsouza, A., Regmi, M., Dhanapal, K., Crawford-Garrett, B., Acharya, R., & M. Patrick (2024). "Does the Double-Up Food Bucks program strengthen the local food system? Evidence from New Mexico", *NMFMA 26th annual Local Food Connects Conference*, Santa Fe, New Mexico.

Dsouza, A. & Vishnu, K. (2023) "The Effect of Asymmetric Information on Smallholders Participation and Net Income: Empirical Evidence from India." *Agricultural and Applied Economics Association Annual Meeting*, Washington DC.

Dsouza, A., Webster, S., & Mishra, A.K. (2019). Assessing post-harvest losses under vertical coordination: Evidence from an emerging economy. *INFORMS Annual Meeting*, Seattle, WA.

Dsouza, A., Mishra, A.K., & Webster, S. (2019). Designing vertical linkages to reduce food loss. *Agricultural and Applied Economics Association Annual Meeting*, Atlanta, GA.

Dsouza, A., Chenarides, L., & Richards, T.J. (2018). Food waste in online vs. offline grocery shopping. *INFORMS Annual Meeting*, Phoenix, AZ.

Dsouza, A., & Mishra, A.K. (2018). Improving diet quality through off-farm work: Empirical evidence from India. *Agricultural and Applied Economics Association Annual Meeting*, Washington D.C.

Dsouza, A., & Binswanger. H.P. (2017). The structural transformation of the Indian economy: 1961 to 2010. *Regional Strategic Analysis and Knowledge Support System (ReSAKSS)*, Bangkok, Thailand.

Dsouza, A., & Mishra, A.K. (2016). Adoption and abandonment of conservation technologies: A case of South Asia. *Agricultural and Applied Economics Association Annual Meeting*, Boston, MA.

Dsouza, A., & Ray, A.S. (2014). Structural transformation in the North Eastern Region of India: Charting out an agriculture-based policy. *IFPRI-IEG International Conference*, New Delhi, India.

Professional Experience

- **Assistant Professor** August 2022 - present
New Mexico State University, New Mexico, U.S.
- **Assistant Professor** September 2020 - August 2022
Arkansas Tech University, Arkansas, U.S.
- **Research Associate** November 2013 – July 2015
International Maize and Wheat Improvement Center (CIMMYT) New Delhi, India
- **Research Assistant** June 2010 – August 2011
Integrated Research and Action for Development (IRADe) New Delhi, India
- **Intern** June 2009 – August 2009
International Food Policy Research Institute (IFPRI) New Delhi, India

Grants

- New Mexico Food Hub Market, Economic and Logistics Analysis, 2026, (\$149,070), NMEDD, My Role: Co-PI.
- Specialty Nut Crop Yellow horn: Improving Quality in Production, Processing, Marketing, and Outreach, 2026-2029, (\$142,713), USDA, My Role: Co-PI
- Building analytical and global competencies through agribusiness and entrepreneurship research internships in Puerto Rico – the Modexl program, 2024-2026, (\$740,000), USDA, My Role: Co-PI.
- Introducing Data-Driven Decision-making in Agribusiness, Teaching Technology Innovation Grant, Arkansas Tech University, 2021-2022, (\$18,492), My Role: PI
- The Travel Grant for Early Career Professionals and Graduate Students, AAEA, 2018 (\$500), 2019 (\$465).
- Graduate and Professional Student Association Travel Grant (2019) (\$960)
- Richard Gordon Scholarship 2018 (\$500)
- The James Sweitzer Memorial Scholarship, 2015-2016 (\$2000), 2016-2017 (\$800)

Honors/Awards/Achievements

- Recipient of the 2023 AAEA Outstanding Published Paper Award in the Specialty Crop Economics (SCE) Category.
- Outstanding Reviewer, *Journal of Agribusiness in Developing and Emerging Economies*, 2019 & 2022.
- Recipient of the Dr. D.K. Desai award for the best article published in the *Indian Journal of Agricultural Economics* for the year 2016.
- Recipient of the Dr. R.T. Doshi award for the best article published in the *Agricultural Economics Research Review* for the year 2015.

Leadership Positions/Service

- Associate Editor, *Agribusiness: An International Journal*, 2026 - present
- Guest Editor, *Western Economic Forum*, 2025-26
- Peer review panel member, USDA Grants, 2021 & 2024

- **Journal Referee**

American Journal of Agricultural Economics (Wiley); Agribusiness (Wiley); Applied Economics (Taylor and Francis); China Agricultural Economic Review (Emerald Publishing); Environment and Development Economics (Cambridge University Press); Environment Science & Technology (American Chemical Society); European Journal of Development Research (Palgrave MacMillan, Springer); Food Policy (Elsevier); Food Security (Springer); Journal of Agribusiness in Developing and Emerging Economies (Emerald Publishing); Journal of Agricultural and Resource Economics; Journal of Co-operative Organization and Management (Elsevier); Journal of Cleaner Production (Elsevier); Journal of Crop Improvement (Taylor and Francis); Land Use Policy (Elsevier); Land Degradation and Development Review (Wiley); The Australian Journal of Agricultural and Resource Economics (Wiley); World Development Perspectives (Elsevier)

Analytical and Technical Skills

- **Quantitative:** Survey Design | Statistical Modeling | Linear Programming | Agent-Based Modeling | Machine Learning
- **Qualitative:** Interviews | Focus group discussions
- **Language:** Python
- **Statistical Software:** STATA | SPSS | SAS | GAMS | @Risk | ArcGIS | QGIS | R | Nlogit | NetLogo | LaTeX