

Alwin Dsouza

Assistant Professor
New Mexico State University
Email ID: adsouza@nmsu.edu
Contact No: 575-646-7194

Address: Dept. of Agricultural Economics &
Agricultural Business
346 Gerald Thomas Hall
New Mexico State University
MSC 3169, PO Box 30003
Las Cruces, NM 88003-8003

Education

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

D'souza, 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., & **D'souza, A.** (2020). Monopsonists, Disruptive Innovation, and Food Security: The Case of High-Value Commodity. *Applied Economic Perspectives and Policy*, 44(1), 460-476.

D'souza, 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., & **D'souza, 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., & **D'souza, 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., & **D'souza, 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., **D'souza, A.**, & Tripathi, G. (2018). How can organic rice be a boon to smallholders? Evidence from contract farming in India. *Food Policy*, 75, 147-157.

D'souza, 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., **D'souza, 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.

D'souza, 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., & **D'souza, 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., **D'souza, A.**, & Binswanger-Mkhize, H.P. (2016). Consumer demand system for long-term projections. *Indian Journal of Agricultural Economics*, 71 (2), 113-136.

Keil, A., **D'souza, 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.

D'souza, 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., **D'souza, 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., & **D'souza, 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., & **D'souza, 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., & **D'souza, 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., **D'souza, A.** (2025). Corruption and SDG 2: Zero Hunger in Corruption and the Sustainable Development Goals. Routledge.

Vishnu, K., & **D'souza, 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., & **D'souza, 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.

D'souza, 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 Economic 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 Economic Association, Denver, CO.

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

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

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

D'souza, A., Chenarides, L., & Richards, T.J. (2018). Food waste in online vs. offline grocery shopping. *INFORMS Annual Meeting, Phoenix. AZ.*

D'souza, 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.*

D'souza, 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.

D'souza, 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.*

D'souza, 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, (\$1,49,070), NMEDD, My Role: Co-PI.
- Specialty Nut Crop Yellow horn: Improving Quality in Production, Processing, Marketing, and Outreach, 2026-2029, (\$1,42,713), 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 Dr. D.K. Desai award for the best article published in the *Indian Journal of Agricultural Economics* for the year 2016.
- Recipient of 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
- USDA Grant Review Panel Member, 2021, 2024, and 2026.

Graduate Student Supervision

- Pryonti Bhattacharyee, “From Farmgate to Market: How Technology, Extension Services, and Women’s Empowerment Influence Choice of Sales Location: Evidence from Bangladesh” (2026)
- Adedapo Alawode, “Heterogeneity in the U.S. food consumption: Evaluating the role of the COVID-19 pandemic” (2024), co-advised with Dr. Madhav Regmi
- Sushil Sapkota, “Impact of Animal and Human Welfare Information on Consumer Preference and Willingness to Pay for eggs” (2023), co-advised with Dr. Ram Acharya

Journal Referee

African Journal of Agricultural Research (Academic Journals) • 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