

## CURRICULUM VITAE

*Manuel de J. Garcia C.*

Graduate Research Assistant

Department of Agricultural and Applied Economics

Texas Tech University

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### Languages

Spanish - native language

English – fluent

Portuguese-limited working proficiency

### Education

Ph.D. Student, Texas Tech University, Lubbock, TX.

Major: Agricultural and Applied Economics (expected graduation date: July 2024).

M.Sc. Texas Tech University, Lubbock, TX, 2020

Major: Agricultural and Applied Economics

Thesis: Mexican Consumers' Preferences for U.S. and Texas Beef.

B.Sc. Zamorano University, Honduras, 2015

Major: Environment and Rural Development

Thesis: Food Security in Guatemala using the 2011 Living Conditions Survey (Latin American and Caribbean Food Security Scale and Household Expenditure Survey components).

### Research Interests

Agricultural Extension, Agribusiness Data Analytics, Consumer Demand, Non-market Valuation, International Trade, and Production Economics.

### Professional Experience

October 2023- December 2023, CATIE-Costa Rica, Remote.

#### *Agricultural consultancy*

Conducted quantitative research among cocoa farmers in the Dominican Republic and Puerto Rico to determine government incentives for adopting agricultural practices that prevent the *Moniliophthora roreri*. Developed digital surveys using Qualtrics, analyzed data, and wrote periodic reports.

August 2022- May 2023, Texas Tech University.

***Graduate Student Instructor***

Instructed the undergraduate course "*Introduction to Agricultural Economics.*" Employed diverse techniques such as lectures, discussions, and practical study cases. We focused on the understanding of economic principles and their real-world applications.

August 2018- Present, Texas Tech University.

***Graduate Research Assistant***

Conducted research in international trade, non-market valuation, marketing analysis, and consumer demand using primary and secondary data. I used Python, R, STATA, SQL, SAS statistical packages, and Tableau for large database management, analysis, and visualization. Use of Qualtrics and MTurk software for survey development and deployment. Design of choice experiments. Collaborated with other researchers in the design and development of choice experiments.

January 2016- June 2018, Zamorano University.

***Extension Agent in the Department of Environment and Rural Development***

I was a laboratory instructor for the agroecology course. I also managed the Zamorano agroecological farm, where we trained over 500 second-year students in sustainable agricultural practices. Additionally, I was a member of the Zamorano Agricultural Extension and food security program, where we trained more than 100 medium and small-scale farmers in sustainable agricultural systems throughout the Dry Corridor of Honduras, Nicaragua, and Guatemala. Lastly, I was part of a climate change and disaster reduction risk project.

January 2015 – April 2015, Texas Tech University.

***Visiting Scholar/Intern***

Assisted in research projects related to agricultural e-marketing and food security. Conducted literature reviews and data management and analyses.

March 2009- December 2011, Pantaleon Sugar Holdings, Guatemala.

***Agricultural Production Manager***

I managed the cultivation of 4,000 acres of sugar cane. I managed over 500 workers annually, responsible for activities including crop planning, harvest schedules, yield projections, and budgeting. I supervised field activities and coordinated with other agricultural departments.

## **Manuscripts Published**

### **Peer-Reviewed/Refereed**

#### **Journal Article, Academic Journal**

**Garcia, M.,** Carpio, C., Hudson, D., Boonsaeng, T., Wang, C. (2023). Mexican consumers' perceptions and preferences for us and Texas beef. *Agribusiness: An International Journal* <https://doi.org/10.1002/agr.21844>

**Garcia, M.**, Boonsaeng, T., Carpio, C., Casillas-Peñuelas, R., Sanchez-Plata, M. (2023). COVID-19 and Beef Consumption in Mexico. *Journal of Food Distribution Research*, 54(2), pp.105–120. [https://www.fdrsinc.org/wp-content/uploads/2023/09/JFDR54.2\\_5\\_Garcia.pdf](https://www.fdrsinc.org/wp-content/uploads/2023/09/JFDR54.2_5_Garcia.pdf)

Mamani Escobar, B., Sandoval, L., Palma, M., **Garcia, M.**, Carpio, C. (2023). Coffee Sustainability Attributes in Developing Countries: The Honduran Domestic Coffee Market. *International Food and Agribusiness Management Review*. <https://www.wageningenacademic.com/doi/abs/10.22434/IFAMR2022.0126>

Carpio, C., Coman, I., Sarasty, O., **García, M.** “COVID-19 Vaccine Demand and Financial Incentives”. *Applied Health Economics and Health Policy* 19.6 (2021): 871-883.

Sandoval, L., Carpio, C., **Garcia, M.** "Comparison between Experience-Based and Household-Undernourishment Food Security Indicators: A Cautionary Tale." *Nutrients*, (2020):12(11).

### **Discussion Paper**

Castillo, M. J., Carpio, C., Rios, A., **Garcia, M.**, Murguía, J. M. (2023). *El Covid-19 y las innovaciones en sistemas agroalimentarios de América Latina y el Caribe* (IDB-DP-01010 ed.). Inter-American Development Bank. <http://dx.doi.org/10.18235/0005015>

Carpio, C., **Garcia, M.**, Rios, A., Boonsaeng, T., Murguía, J. M., Wander, A. (2023). *Indicadores de resiliencia económica estática y dinámica para las cadenas de suministro agroalimentario: La pandemia del Covid -19 en América Latina y el Caribe* (IDB-DP-01010 ed.). Inter-American Development Bank. <http://dx.doi.org/10.18235/0004976>

Carpio, C., **Garcia, M.**, Rios, A., Boonsaeng, T., Murguía, J. M., Wander, A. (2023). *Static and Dynamic Economic Resilience Indicators for Agrifood Supply Chains: The COVID-19 Pandemic in Latin America and the Caribbean* (IDB-DP-01010 ed.). Inter-American Development Bank. <http://dx.doi.org/10.18235/0004976>

### **Manuscripts Submitted**

#### **Research Report**

Carpio, C., Boonsaeng, T., Castillo, M. J., Borja, I., Morales, S., Sandoval, L., **Garcia Chaclan, M.**, Muñoz, M., Wander, A., da Cunha, C. *The Impact of COVID-19 in the Agricultural Supply Chain in Latin America and the Caribbean*. Final Report to InterAmerican Development Bank.

## Other Manuscript Activity

### Journal Article, Academic Journal, (Revising to Resubmit)

Kang, Q., Carpio, C., **Garcia, M.**, Wang, C., Boonsaeng, T. Chinese Consumers' Preferences for Imported Beef Products. *Agribusiness and International Journal*.

## Papers Presented at Professional Meetings and Seminars

### Invited

#### Keynote/Plenary Address

Carpio, C., **Garcia, M.**, Boonsaeng, T., Rios, A., Munguia, J., Wander, A. Agrifood Sector: Innovation, Resilience and Impacts, Inter-American Development Bank, Washington, DC., "Economic Resilience Indicators for Agrifood Supply Chains," International. (July 2023).

Carpio, C., **Garcia, M.**, Boonsaeng, T., Rios, A., Munguia, J., Wander, A. Agrifood Sector: Innovation, Resilience and Impacts, Inter-American Development Bank, Tegucigalpa, Honduras, "Resilience Indicators for Agrifood Supply Chains," International. (May 2023).

### Accepted

#### Oral Presentation

**Garcia, M.** (Presenter & Author) *Sexto Congreso Virtual del Centro de Ciencias Agropecuarias*, Aguas Calientes, Mexico, "Estudios económicos sobre cadenas agroalimentarias en América Latina," International, peer-reviewed/refereed. (December 2023).

Carpio, C. (Presenter & Author), **Garcia, M.** (Author Only), Boonsaeng, T., Rios, A., Murguia, J., Wonder, A. *Agricultural and Applied Economics Association Annual Meetings*, Washington, DC, "Static and Dynamic Economic Resilience Indicators for Agrifood Supply Chains: The COVID-19 Pandemic in Latin America and the Caribbean.," International, peer-reviewed/refereed. (July 2023).

**Garcia, M.** (Presenter & Author), Carpio, C., Boonsaeng, T. *Southern Agricultural Economics Association Annual Meetings*, Oklahoma City, OK, "Measuring Resilience in the Agricultural Supply Chains," National, peer-reviewed/refereed. (February 2023).

**Garcia, M.** (Presenter & Author), Carpio, C. *Western Agricultural Economics Association Annual Meetings*, Santa Fe, NM, "The Economic Resilience of Agribusiness in Latin America," National, peer-reviewed/refereed. (June 2022).

- Garcia, M.** (Presenter & Author), Boonsaeng, T., Carpio, C., Casillas, R. *Southern Agricultural Economics Association Annual Meetings*, New Orleans, LA, "COVID-19 and Beef Demand in Mexico," National, peer-reviewed/refereed. (February 2022).
- Harral, B. (Presenter & Author), Carpio, C., **Garcia, M.** (Author Only), Boren Alpizar, A., Middleton, M., *Southern Agricultural Economics Association Annual Meetings*, New Orleans, LA, "Factors Affecting Students' Teaching Evaluations: A Survey Experiment.," National, peer-reviewed/refereed. (February 2022).
- Carpio, C. (Presenter & Author), **Garcia, M.** (Author only), Borja, I., Castillo, M.J., Palma, M., Peguero, F., Ribera, L., Sandoval, L., Zapata, S., Sanchez, M. *Agricultural Economics Association Annual Meetings*, Austin, TX, "Impact of COVID-19 in the Agricultural Supply Chain of Latin America: Perspectives from Producers and Experts." National, peer-reviewed/refereed. (August 2021).
- Kang, Q. (Presenter & Author), Carpio, C., **Garcia, M.** (Author only), Wang, C., Boonsaeng, T., Hudson, D. *Agricultural Economics Association Annual Meetings*, Austin, TX, "Chinese consumers' preferences for imported beef products: Does the type of cut matter?" National, peer-reviewed/refereed. (August 2021).
- Garcia, M.**, Carpio, C., Borja, I., Castillo, M.J., Palma, M., Peguero, F., Ribera, L., Sandoval, L., Zapata, S., Sanchez, M. *Proceedings of the 6th Hispanic/Latinx Research and Creativity Symposium*, Texas Tech University, "An overview of the impact of COVID-19 on the Latin American agricultural supply chain: perspectives from producers and experts.," Local (April 2021).
- Garcia, M.** (Presenter & Author), Carpio, C. *Southern Agricultural Economics Association Annual Meeting*, Texas Tech University, "An overview of the impact of Covid-19 on the Latin American agricultural supply chain: perspectives from producers and experts." National, peer-reviewed/refereed. (February 2021).
- Garcia, M.**; Boonsaeng, T; Carpio, C; Hudson, D; Wang, C. *Proceedings of the 5th Hispanic/Latinx Research and Creativity Symposium*, Texas Tech University, "Mexican Consumers' Preferences for U.S. and Texas Beef.," Local. (April 2020).
- Garcia, M.**; Boonsaeng, T; Carpio, C; Hudson, D; Wang, C. 2020. "Mexican Consumers' Preferences for U.S. and Texas Beef". *Proceedings of the 19th Annual Graduate Research Poster Competition*, Texas Tech University, March 11, 2020.
- Garcia, M.**; Boonsaeng, T; Carpio, C; Hudson, D; Wang, C. *Southern Agricultural Economics Association Annual Meetings*, Louisville, KY, "Mexican Consumers' Preferences for U.S. and Texas Beef." National, peer-reviewed/refereed. (February 2020).

**Poster**

**Garcia, M.** (Presenter & Author), Carpio, C., Hudson, M., Boonsaeng, T., Wang, C., Kang, Q. *Davis College Ag Week Congressional Luncheon*, Lubbock, TX, "Steaks Beyond Borders: From US Pastures to Global Platters- Perceptions of Beef Quality in Mexico/China by Country of Origin," Local. (September 2023).

**Garcia, M.** (Presenter & Author), Carpio, C., Hudson, M., Boonsaeng, T., Wang, C., Kang, Q. *Agricultural and Applied Economics Association Annual Meetings*, Washington, DC, "The effect of information about a complex agricultural supply chain on consumers: The case of beef demand in Mexico," International, peer-reviewed/refereed. (July 2023).

Kang, Q., Carpio, C., **Garcia, M.** (Author only), Wang, C., Boonsaeng, T., Hudson, M. *Agricultural and Applied Economics Association Annual Meetings*, Washington, DC, "Chinese consumers' preferences for imported beef products: Does the type of cut matter?" International, peer-reviewed/refereed. (July 2023).

**Teaching**

**List of Courses Taught with Enrollments**

**Fall TTU 2022**

| Course Prefix | Course Number | Title  | Sec | Credit Hours | Enrollment | Eval 1 | Eval 1 or 2** | Eval 11 or 3** | Syllabus |
|---------------|---------------|--|-----|--------------|------------|--------|---------------|----------------|----------|
| AAEC          | 2305          | Fundamentals of Agricultural and Applied Economics | 001 | 3            | 47         | 4.45   | 4.33          | 4.2            | Y        |

**Spring TTU 2023**

| Course Prefix | Course Number | Title  | Sec | Credit Hours | Enrollment | Eval 1 | Eval 1 or 2** | Eval 11 or 3** | Syllabus |
|---------------|---------------|--|-----|--------------|------------|--------|---------------|----------------|----------|
| AAEC          | 2305          | Fundamentals of Agricultural and Applied Economics | 004 | 3            | 40         | 4.8    | 4.7           | 4.8            | Y        |

**Fall TTU 2023**

| Course Prefix | Course Number | Title   | Sec | Credit Hours | Enrollment | Eval 1 | Eval 1 or 2** | Eval 11 or 3** | Syllabus |
|---------------|---------------|---|-----|--------------|------------|--------|---------------|----------------|----------|
| AAEC          | 5325          | Applied Regression and Least Squares Analysis for Agricultural Sciences | 001 | 3            | 21         |        |               |                | N        |
| AAEC          | 5325          | Applied Regression and Least Squares Analysis for Agricultural Sciences | D02 | 3            | 17         |        |               |                | N        |

\* Credit Hours not workload related. Variable credit course reflects minimum student credit hours available.

## **Membership In Professional Societies**

Agricultural and Applied Economics Association (AAEA), 2018 to present.

Southern Agricultural Economics Association (SAEA), 2018 to present.

Western Agricultural Economics Association (WAEA), 2022 to present.

Agricultural and Applied Economics Graduate Student Association, Texas Tech University, 2018 to present.

## **Professional Activities**

1. Agricultural Economics Graduate Student Association (AEGSA). Texas Tech University. 2021-2022, President.
2. Zamoraiders Organization. Texas Tech University. 2019-2020, President.
3. Agricultural and Applied Economics Graduate Student Association (AEGSA). Texas Tech University. 2019-2020, Student Organization Representative.
4. International Agricultural Webinar- Organizer, Guatemala, August 2020.

## **Honors And Awards**

*Helen DeVitt Jones Scholarship, 2020.* Fellowship awarded by the Jones family to outstanding graduate students in the agricultural and natural resources field.

*Business Administration Marketing Scholarship, 2019.* Awarded as a recognition for achieving third place in the 2019 Marketing and Sales Competition of the Department of Business Administration of Texas Tech University.

*International Cultural Center-SACS Study Abroad Competitive Scholarship 2019.* Awarded for outstanding international student contribution to Texas Tech University.

*Mr. and Mrs. Carl H. Gelin Scholarship, 2018.* Graduate school recruitment scholarship. Awarded at Texas Tech University.

*Academic Excellence Scholarship.* Awarded by the government of Guatemala to attend Zamorano University in Honduras, 2012 - 2015.

## **References**

Carlos Carpio, Ph. D. Professor, Department of Agricultural and Applied Economics, Texas Tech University. [carlos.carpio@ttu.edu](mailto:carlos.carpio@ttu.edu)

Darren Hudson, Ph. D. Professor, Associate Dean for Strategic Initiatives & Assessment, Texas Tech University. [darren.hudson@ttu.edu](mailto:darren.hudson@ttu.edu)

Luis Sandoval, Ph. D. Associate Professor, Institutional Research Coordinator, Zamorano University. [lsandoval@zamorano.edu](mailto:lsandoval@zamorano.edu)