

Ana Claudia Sant'Anna

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Profile

Assistant Professor in Agribusiness and Agricultural Finance in the School of Agriculture and Food Systems at West Virginia University. The main driver of my research is to foster an environment where agribusinesses can thrive. I have lived all over the world: Brazil, Germany, Spain, Australia, Trinidad- Tobago, and Malaysia.

Research Interests

My research focusses on understanding how financial, production, policy and natural resource factors can impact agribusinesses, their decision-making and public policy design.

Education

Kansas State University. PhD in Economics. Sub-plan: Agricultural Economics, May 2017.

Fields: Natural Resources, Biofuel Economics, Land Use. GPA: 3.9/4.0

University of São Paulo – ESALQ/USP, Brazil. MSc. Applied Economics, 2011, GPA: 3.9/4.0

University of Brasilia, Brazil. BA. Economics, GPA: 3.8/4.0, 2008.

Ludwig-Maximilian-Universität, Germany. BA in Economics, Exchange semester 2004

Current and Previous Employment

United States

West Virginia University, Assistant Professor in Agribusiness and Ag Finance, August 2019 -

The Ohio State University, Post-Doctoral Researcher, Farm Income Enhancement Program, Supervised by Dr. Ani Katchova, 2017 – 2019 (August)

Kansas State University, Graduate Research Assistant to Dr. Jason S. Bergtold, 2013 – 2017

Brazil

Research Institute for Applied Economics (IPEA), Health Economics Researcher, 2011-2013

University of Brasilia, Research Assistant to Dr. Jose Roberto Novaes de Almeida. 2011

Brazilian National Industry Council CNI/IEL, Research Assistant to Dr. Simone Assis, 2008-2009

University of Brasilia, National Council for Scientific and Technological Development (CNPq), Initiation into Scientific Research Program, 2007-2008

Brazilian House of Representatives, Budget and Financial Auditing Office, Internship, 2006-2007

The Central Bank of Brazil, Internship, 2005-2006

Germany

Bundesgartenschau München 2005 GmbH, Germany, Graphic Designer, 2003-2004

Technischesuniversität München, Germany, Library Student Worker, 2002

Publications

Peer-reviewed (student are indicated as *, joint senior authorship¹, Editor Review E)

1. Kim, K., **Sant'Anna, A. C.**¹, & Demko, I. 2024. "Minority-Owned Agricultural Businesses and Challenges with the Paycheck Protection Program: Seeking Ways to Reach Farmers." *Applied Economics Teaching Resources*. v6, p.1-6
2. Demko, I., and **Sant'Anna, A. C.**¹ (2023) "Impact of Race, Ethnicity, and Gender on the SBA Paycheck Protection Program (PPP) Loan Amounts." *Economic Development Quarterly* (37)3, 211-229 ([LINK](#)).
3. **Sant'Anna, A. C.**, Kim, K. N., and Demko, I. (2023). "Limits to capital: Assessing the role of race on the Paycheck Protection Program for African American farmers in America." *Applied Economic Perspectives and Policy*. ([LINK](#))

4. Horeh, M. B.*; Elbakidze, L.; **Sant'Anna, A.C.** (2023) "Food-borne Illnesses and Product Liability in the U.S." *Agricultural and Resource Economics Review*, 52(1), 1-42. doi:10.1017/age.2022.25
5. **Sant'Anna, A. C.**, & Katchova, A. L. (2022). How economic conditions changed the number of US Farms, 1960–1988: A replication and extension of Gale (1990) to midsize farms in the United States and abroad. *Applied Economic Perspectives and Policy*. [\(LINK\)](#)
6. **Sant'Anna, A. C.**, Xia, T., Bergtold, J.S. (2022) "Public policies versus market factors: What drives ethanol expansion in Brazil?", *Q Open*, Volume 2, Issue 1, qoac009 [\(LINK\)](#)
7. Coyne, M. S., Pena-Yewtukhiw, E. M., Grove, J. H., **Sant'Anna, A. C.**, & Mata-Padrino, D. (2022). "Soil health–It's not all biology." *Soil Security*, 6, 100051. **E**
8. **Sant'Anna, A.C.**, Bergtold, J.S., Shanoyan, A., Caldas, M.M., Granco, G. 2022 "Biofuel feedstock contract attributes, substitutability and tradeoffs in sugarcane production for ethanol in the Brazilian Cerrado: A stated choice approach" *Renewable Energy*. 2022: 185, p. 665-679 [\(LINK\)](#)
9. Nguemgaing, H.F.* and **Sant'Anna, A.C.** (2021), "The impact of supply chain disruptions on stock market returns during COVID-19", *Agricultural Finance Review*, Vol. 82 No. 4, pp. 732-764. [\(LINK\)](#)
10. Huang, K-M.*, **Sant'Anna, A.C.**, Etienne, X. (2021) "How Did Covid-19 Impact US Household Food Spending? An Analysis Six Months In" *Plos One* (2021):16(9), p.e0256921. [\(LINK\)](#)
11. **Sant'Anna, A.C.**, Katchova, A. L., Cowley, C. (2021) "Exploring the relationship between land values and credit availability" *Journal of Agricultural and Applied Economics*, 2021:1-20 [\(LINK\)](#)
12. Demko, I; **Sant'Anna, A. C.**, Liang, K. (2021) "An Overview of the Paycheck Protection Program (PPP) Loans and Implications to Agricultural Enterprise Recovery from COVID" *Journal of Agriculture, Food Systems, and Community Development* (11)1, 201-208 [\(LINK\)](#) **E**
13. **Sant'Anna, A.C.**; Katchova, A. (2020) "Determinants of land value volatility in the U.S. Corn Belt" *Applied Economics* 2020: 1-15 [\(LINK\)](#)
14. Katchova, A.; **Sant'Anna, A.C.**¹ (2019) "Impact of Ethanol Plant Location on Corn Revenues for U.S. Farmers" *Sustainability* v.11: 6512 2019 [\(LINK\)](#)
15. Katchova, A.L.; **Sant'Anna, A C.**¹ (2019) "Agricultural Cycles and Implications for the Near Term." *Economic Review*, Federal Reserve Bank of Kansas City, 2019. **E**
16. **Sant'Anna, A.C.**; Katchova, A. "The Impact of Bank Concentration on Land Values" *Journal of the American Society of Farm Managers and Rural Appraisers*, Denver (2019):86-91.
17. **Sant'Anna, A.C.**; Bergtold, J.; Shanoyan, A.; Caldas, M.M.; Granco, G. "Examining the relationship between vertical coordination strategies and technical efficiency: Evidence from the Brazilian ethanol industry." *Agribusiness*. 2018. [\(LINK\)](#)
18. Granco, G.; **Sant'Anna, A.C.**; Bergtold, J.; Caldas, M. M.; "Factors influencing ethanol mill location in a new sugarcane producing region in Brazil." *Biomass and Bioenergy*. v.111: 125-133. 2018 [\(LINK\)](#)
19. McKee, B*; **Sant'Anna, A.C.**; Bergtold, J.; Caldas, M.M.; Granco, G. "Trust me! Examining the contractual relationships between sugarcane producers and mills in the Cerrado." *Journal of Extension and Rural Studies (REVER)*. v.6(2):98-117, 2017.
20. Bergtold, J.S., Caldas, M.M.; **Sant'Anna, A.C.**; Granco, G and Rickenbrode, V. "Indirect Land-Use Change from Ethanol Production: The Case of Sugarcane Expansion at the Farm Level on the Brazilian Cerrado." *Journal of Land Use Science*. 12:6, 442-456. 2017. [\(LINK\)](#)
21. **Sant'Anna, A.C.**; Shanoyan, A.; Bergtold, J. S.; Caldas, M. M.; Granco, G. Ethanol and Sugarcane Expansion in Brazil: What is Fueling the Ethanol Industry? *International Food and Agribusiness Management*

Review. v. 19(4):163-182, 2016 ([LINK](#))

22. Granco, G.; Caldas, M. M.; Bergtold, J.; **Sant'Anna, A.C.** Exploring the Policy and Social Factors Fueling the Expansion and Shift of Sugarcane Production in the Brazilian Cerrado. *GeoJournal*. v. 1:1-18pp., 2015 ([LINK](#))
23. Garcia, L.P.; **Sant'Anna, A.C.**; Freitas, L.R.S.; Magalhães, L.C.G. Tobacco control policy and variation in Brazilian family spending on cigarettes: results of the Brazilian Household Budget Surveys in 2002/2003 and 2008/2009. *Cadernos de Saúde Pública*. v. 31 (9):1894-1906, 2015. ([LINK](#))
24. Garcia, L.P.; Ocké-Reis, C.O.; Magalhães, L.C.G.; **Sant'Anna, A.C.**; Freitas, L.R.S. Spending on private health insurance plans of Brazilian families: a descriptive study with data from the Family Budget Surveys 2002-2003 and 2008-2009. *Ciência & Saúde Coletiva*, 20(5):1425-1434, 2015. ([LINK](#))
25. Garcia, L.P.; **Sant'Anna, A.C.**; Freitas, L.R.S.; Magalhães, L.C.G.; Aurea, A. P. Brazilian family spending on medicines: an analysis of data from the Family Budget Surveys, 2002-2003 and 2008-2009. *Cadernos de Saúde Pública* (ENSP. Printed version), v. 29, p. 1605-1616, 2013.
26. Garcia, L.P.; **Sant'Anna, A.C.**; Freitas, L.R.S.; Magalhães, L.C.G. Healthcare expenses of Brazilian families living in metropolitan areas: a regional cut from the Family Budget Surveys, 2002-2003 and 2008-2009. In: Rogério Boueri; Marco Aurélio Costa. (Org.). *Brasil em desenvolvimento 2013: Estado, planejamento e políticas públicas*. 1ed. Brasília: IPEA, 2013, v. 3, p.859-876.
27. Garcia, L.P.; **Sant'Anna, A.C.**; Magalhães, L.C.G.; Aurea, A. P. Healthcare expenses of Brazilian families living in metropolitan areas: composition and trends during the period from 1995 to 2009. *Ciência e Saúde Coletiva* (Printed version), v. 18, p. 115-128, 2012. ([LINK](#))

Peer-reviewed Book Chapters (joint senior authorship¹)

1. Santos, G. R. and **Sant'Anna, A.C.**¹ (2022) "Diversities in agriculture and public policy: Characteristics from Brazil and the United States." In: Santos, G. R. & da Silva, R. P. (Orgs.). *Agriculture and diversities: Trajectories, regional challenges and public policy in Brazil*. 1ed. Brasília: IPEA, Chapter 3, p. 103-147 ([LINK](#)) (in Portuguese)
2. **Sant'Anna, A.C.**; Granco, G.; Bergtold, J.; Caldas, M.M.; Xia, T.; Masi, P.; Link, T.; Lorenzani, W. Chapter 13: The challenges of the sugarcane expansion: The perception of producers and landowners in Goiás and Mato Grosso do Sul. In: *Forty years of ethanol in Brazil: Hide or confront the crises?* Santos, G. (Org.) Brasília: IPEA. 2016.
3. Granco, G., Caldas, M., Featherstone, A., **Sant'Anna, A. C.**, Bergtold, J. Farmers' acreage responses to the expansion of sugarcane ethanol industry: the case of Goiás and Mato Grosso do Sul, Brazil. In: Li, R. and Monti, A. (eds) *Land Allocation for Biomass Crops: Challenges and Opportunities with Changing Land Use*. Springer. 103-123. 2018 ([LINK](#))
4. Bergtold, J.S.; **Sant'Anna, A.C.**; Miller, N; Ramsey, S.; Fewell, J.E. "Water Scarcity and Conservation along the Biofuel Supply Chain in the United States: From Farm to Refinery". In: *Competition for Water Resources*. J. Ziolkowska and J. Peterson eds. Elsevier: 2016. ISBN:9780128032374.

Working Papers (student are indicated as *)

1. **Sant'Anna, A. C.**; Bora, S; Goswami, A. "Grocery Market Concentration and Food Price Inflation in Canada" (submitted to CJAIE)
2. Walker, M*; **Sant'Anna, A.C.**; Strager, M. "Can recreation development decrease greenhouse gas emissions while increasing GDP? A case study of West Virginia" (in preparation for submission)
3. "Examining the relationship between women, minority farmers and Diversity in the leadership of Farm Credit Institutions" with Bhandari, R (in preparation for submission)
4. Bhandari, R* and **Sant'Anna, A.C.** "Does a diverse leadership board enhance the performance of a

- lending institution? Evidence from the Farm Credit Association” (under review at AFR)
5. Ming-Huang, K; Etienne, X.; **Sant’Anna, A.C.** “Risk Perceptions, Risk Preferences, and Consumer Willingness-to-pay for Improved Safety of Locally-Grown Fresh Produce” (JAEA revise and resubmit)
 6. Lambongang, M.*; **Sant’Anna, A.C.** “Credit Perception and Application Decision in Ghana: Insights from a Seemingly Unrelated Bivariate Probit Model” (in preparation for submission)
 7. “The effect of information on overpackaging and use of non-biodegradable single-use plastics in the restaurant industry in Honduras” with Sandoval, L. A., Fiala, N., Morales, S.D., Cardona, J. A., Maldonado, L.F. & Acosta, A. (in preparation for submission)

Work in Progress

“Agricultural Productivity and Technical Efficiency in Brazil at the State Level: Assessing Determinants of Change” with Bergtold, J. S. and Espolador H.

“Can FinTech Increase Credit Access in Agriculture? Evidence from the Paycheck Protection Program” with Demko, I and Kim, K.

“Willingness-to-Pay for Soil Health Testing Among Farmers in the Appalachian Region” with Jacob Schmidt, Jason Bergtold, Pena-Yewtukhiw, E. M.

“Are US Government Programs Reaching Minority Communities? Evidence from the Paycheck Protection Program Approval Rates for Production Agriculture” with Kim, K.

“The role of environmental and social governance (ESG) on the financial performance of agribusinesses” with Shanoyan, A.

Non Peer-reviewed (student are indicated as *, joint senior authorship¹)

1. **Sant’ Anna, A.C.**, Spolador, H, Bergtold, J.S. (2023). Cost efficiency and land rental cost of sugar and ethanol producing plants – an analysis for 2021/2022 harvest year. In: Anais do 61º Congresso da Sociedade Brasileira de Economia, Administração e Sociologia Rural (SOBER). Anais. Piracicaba(SP) ESALQ/USP, 2023 ([LINK](#))
2. **Sant’Anna, A. C.** (2023). Examining the Relationship Between Women, Minority Farmers, and Diversity in the Leadership of Farm Credit Institutions. St. Paul, Minnesota: Agecon Search. <https://ageconsearch.umn.edu/record/334564> (121 downloads)
3. **Sant’Anna, A. C.** (2022). “How Diverse is Farm Credit System (FCS) Leadership? A report on the ethnic and cultural representation of FCS” Final Report to Socially Disadvantaged Farmers and Ranchers Policy Research Center, Alcorn State University. Available online: [41389.pdf \(issuelab.org\)](#)
4. SANTOS, G. R., **Sant’ Anna, A.C.**, Spolador, H. (2022). Agricultural Credit in the United States: Structure and Comparisons with Brazil. In: Anais do 60º Congresso da Sociedade Brasileira de Economia, Administração e Sociologia Rural (SOBER). Anais. Natal(RN) UFRN, 2022 ([LINK](#))
5. **Sant’Anna, A. C.**, Katchova, A. L. (2022). How Economic Conditions Changed the Number of U.S. Farms, 1960-88: A Replication and Extension of Gale (1990) to Midsize Farms in the U.S. and Abroad. St. Paul, Minnesota: Agecon Search. <https://ageconsearch.umn.edu/record/321202> (75 downloads)
6. Demko, I. and **Sant’ Anna, A.C.**¹, “Impact of Race and Gender on the SBA Paycheck Protection Program (PPP) Loan Amounts” (June 10, 2021). Available at SSRN: <https://ssrn.com/abstract=3864218> or <http://dx.doi.org/10.2139/ssrn.3864218>
7. Huang, K.-M. (Graduate Student), Etienne, X. L., **Sant’Anna, A. C.** (2021). How Is Covid-19 Impacting US Household Food Spending? St Paul, Minneapolis: AgeconSearch. <https://ageconsearch.umn.edu/record/312841> (273 downloads)
8. **Sant’Anna, A. C.**, Bergtold, J. S., Shanoyan, A., Caldas, M. M., Granco, G. (2021). Deal or No Deal? Analysis of Bioenergy Feedstock Contract Choice with Multiple Opt-Out Options and Contract Attribute Substitutability. St Paul, Minneapolis: Agecon Search. <https://ageconsearch.umn.edu/record/315289> (200 downloads)
9. SANTOS, G. R., **Sant’Anna, A. C.**¹ (2021). Typologies and diversity in agriculture and public policy: Brazil and the United States. In: Anais do 59º Congresso da Sociedade Brasileira de Economia, Administração e Sociologia Rural (SOBER) & 6º Encontro Brasileiro de Pesquisadores em Cooperativismo (EBPC). Anais. Brasília(DF) UnB, 2021([LINK](#))

10. **Sant'Anna, A. C.**, dos Santos, G. R. (2020). Farm income and small farms: similarities and differences between Brazil and the US. In: Anais do 58º Congresso da Sociedade Brasileira de Economia, Administração e Sociologia Rural (SOBER), 26 to 28 of October 2020, Foz do Iguaçu-PR: Cooperativismo, inovação e sustentabilidade para o desenvolvimento rural. Anais...Foz do Iguaçu(PR) UNIOESTE. ([LINK](#))
11. Garcia, L.P.; Magalhães, L.C.G.; **Sant'Anna, A.C.**; Freitas, L.R.S.; Aurea, A.P. Dimensions of the access to medication in Brazil: profile and inequalities of the spending of the families according to the Family Budget Survey 2002-2003 and 2008-2009. Brasília: IPEA, 2013 (Working Paper of the Instituto de Pesquisa Econômica Aplicada- TD1839).
12. **Sant'Anna, A.C.**; Nogueira, J.M. Economic Valuation of Environmental Services: Increasing the Effectiveness of PES Schemes in Developing Countries? *Journal of Agricultural Science and Technology* (USA. Print), v. 2, p. 1048-1057, 2012.
13. Sant'Anna, A. C. (2011). "The Economic use of the legal reserve in the Cerrado: a simulation of the sustainable extraction of pequi" (Doctoral dissertation, Universidade de São Paulo). ([LINK](#))
14. **Sant'Anna, A.C.**; Nogueira, J.M. Economic Valuation of Environmental Services of the National Forests. *Revista de Administração e Negócios da Amazônia*, v. 2, p. 83-108, 2010.
15. **Sant'Anna, A.C.**; NOGUEIRA, J.M. The valuing of environmental services of National Forests: An anti-deforestation instrument? In: XVI Prize of the Regional Council of Economists of Distrito Federal (CORECON-DF) 2009, Monographs. CORECON-DF.

Outreach

1. **Sant'Anna, A. C.** (2023). "Top Five Strategies for a Young or Beginning Farmer" *Blog Farm Credit of the Virginias* ([LINK](#))
2. **Sant'Anna, A. C.** (2020). Mini Outlook Report. *AAEA Online Learning and Teaching Resources Portal*. AAEA Online Learning and Teaching Resources Portal. ([LINK](#))
3. **Sant'Anna, A.C.**; Katchova, A. L.; Brown, B. "Net farm income is forecasted to increase in 2019" *CFAES Report 2019* ([LINK](#))
4. **Sant'Anna, A.C.**; Katchova, A. L.; Brown, B. Net farm income expected to decline again in 2018 after a small rebound last year. *Ohio Ag Manager* Sept. 13th 2018. ([LINK](#))
5. **Sant'Anna, A.C.**; Katchova, A. Ohio Land Value and Cash Rent Outlook. *AEDE Agricultural Outlook*, p. 10-11, Summer 2018. ([LINK](#))
6. **Sant'Anna, A.C.**; Granco, G.; Bergtold, J.; Caldas, M.M. The challenges of the sugarcane expansion: how do landowners and producers think and act. (In Portuguese) Brasília: IPEA, 2015 (*Radar Bulletin - Technology, Production and Foreign Trade, Special Edition - Renewable Energy, # 39*) ([LINK](#))
7. Santos, G.; **Sant'Anna, A.C.** Dependency on fertilizers and the effects from its ill use. *Valor Econômico*, 04 Jan. 2013.

Citations - Rankings, and Profiles (as of September 2024)

1. [Google Scholar](#) – 518 citations, h-index = 13 (at least 13 publications with at least 8 citations) and i10-index=14 (14 publications with at least 10 citations).
2. [ORCID](#)– 27 works
3. AgEcon Search– 16 records
4. Research Repository WVU – 651 Downloads

Teaching

Instructor:

1. ARE 624 Econometric Methods in Resource Economics (Fall). West Virginia University. Class size: 4-12 students (Graduate). Years taught: 2021, 2022, 2023, 2024
2. ARE 484 Agribusiness Strategic Management (Spring). West Virginia University. Class size: 17-26 students (Undergraduate). Years taught: 2021, 2022, 2023, 2024
3. ARE 461 Agribusiness Finance (Spring). West Virginia University. Class size: 27-30 students

- (Undergraduate). Years taught: 2020, 2021, 2023, 2024
4. AGEE 101 Global Foods and the Agricultural Industry (Fall) West Virginia University. Class size: 41 students (Undergraduate, Online). Years taught: 2024
 5. ARE 360 Current Issues in Agriculture (Fall). West Virginia University. Class size: 22 students (Undergraduate). Years taught: 2019
 6. Math Review Class (Fall 2016). Kansas State University. Class size: 25 students (Masters and PhD). Overall effectiveness as a teacher 4.1. Increased desire to learn about the subject 3.8. Amount learned in the course 3.8.
 7. Decision Tools for Agribusiness and Agricultural Economics (Fall 2015). Kansas State University. Class size: 34 students (freshmen). Overall effectiveness as a teacher 3.8. Increased desire to learn about the subject 3.7. Amount learned in the course 4.0.
 8. Planning of Environmental Investments (Spring 2012). University of Brasilia. Class size: 34 students (undergraduate).

Teaching Assistant:

1. Computer Decision Tools for Agribusiness (Spring 2016). Kansas State University. Class size: 34 students (Masters in Agribusiness).
2. Decision Tools for Agribusiness and Agricultural Economics (Spring 2015). Kansas State University. Class size: 25 students (freshmen).
3. Natural Resources and Environmental Economics (Fall 2010). University of Sao Paulo – ESALQ. Two sections. Class size: 30 students (undergraduate).
4. Introduction to Econometrics – Recitations (Spring 2007). University of Brasilia. Class size: 30 students (undergraduates).

Graduate Student Major Advisor and Committee Chair:

1. Munkaila Lambongang, PhD, Natural Resource Economics, WVU, 2023 - Present
2. Ranjita Bhandari, PhD, Natural Resource Economics, WVU, 2021- Present
3. Ivan Wong, MS, Resource Economics and Management, 2024 - Present
4. Jacob Schmidt, MS, Resource Economics and Management, 2022 – expected graduation 2024
5. Helene Nguemgaing, PhD, Resource Economics and Management, 2020-Present (Co-Chaired with Alan Collins)

Graduate Committees

6. Lisa Jones, PhD, Human Community and Development Dec 2020 - Present
7. Matthew Walker, PhD, Resource Management, 2021 – Present (also was his Second Year Paper Mentor)
8. Sara Farhangdoost, PhD – Dissertation Committee Member Oct 2020-Nov 2021.
Employment: State Farm
9. Marziyeh Bahalou Horeh, PhD – Dissertation Committee Member Aug 2020-Jun 2022.
Employment: Postdoctoral Research Fellow, Purdue University
10. Kuan-Ming Huang, PhD – Dissertation Committee Member Aug 2019-Apr 2021.
Employment: Assistant Professor Mississippi State University

Graduate Research Supervisor

11. David Nason, PhD – GRA Aug 2020-Jun. 2021
12. Mustahsin Ul Aziz, PhD – Student Worker. May. 2022 – Aug. 2022
13. Md Abedur Rahman, PhD – GRA Oct. 2021-Aug. 2022 (Transferred Universities)
14. Anne Russel PhD – Research Assistant Aug 2019-Dez 2019 (Transferred to economics)

Undergraduate Supervisor

15. Ivan Wong, BS, Agribusiness Management, Student Worker, Mar.-May. 2024
16. Anne Boyd, BS, Agribusiness Management, Student Worker, Fall 2020
17. Gabriel Blair (undergraduate) – Committee Member 2015-2017 University of Sao Paulo - ESALQ

Guest Lecture:

1. Contemporary Issues in Global Food and Agricultural System (Fall 2016). Kansas State University. Class

size: +/- 100 students. Class title: *Ethanol expansion in the Brazilian Cerrado*.

Grants

1. **Marion County Commission – Marion County Appalachian Region Energy Hub Initiative** (\$144,676.27). “Appalachian Region Energy Hub Initiative Appalachian Regional Commission NOSA” Fullen, M (PI), Sant’Anna, A.C. (Co-PI). Pending
2. Internal competition, WVU must select one to submit to NSF. **Center for Sustainable Aviation Fuel Technologies (CSAFT)- Electromagnetic-Enhanced Co-Processing of Biomass and Plastic Wastes**. Hu, J. (PI); Dine, C.Z. (Co-PI), Dumitrescu (Co-PI), Tian, Y (Co-PI), Wang, Y (Co-PI), Sant’Anna, A.C. (Co-PI); Vlachos, D. (Co-PI), Liu, D. (Co-PI), Gaillard, J. (Co-PI), Mahmoud, E. (Co-PI), Yue, Y. F. (Co-PI), Comert, G. (Co-PI), AIChE Rapid and Dow Chemicals. Pending
3. **Alcorn State University- Socially Disadvantaged Farmers and Ranchers Policy Research Center – Sub-Award** (\$64,790). “Documenting and analyzing crop insurance participation in counties with Socially Disadvantaged Farmers and Ranchers (SDFRs)” Sant’Anna, A.C. (PI). Approved 2024.
4. **USDA-Natural Resources Conservation Service**. “Diversifying Appalachia's Pastures to Improve Soil Health”. (\$592,911). Ember Morrissey (PI), James Kotcon (Co-PI), Eugene E Felton (Co-PI), Thomas J Basden (Co-PI), Sant’Anna, A. C. (Co-PI) (\$67,306.92). Joined in 2023.
5. **Anderson Faculty Enrichment Fund** (US\$3,500). “Putting theory into practice through agribusiness case study activities”. Sant’Anna, A.C. (PI). Approved. 2024-2025.
6. **Kaye C. Daniel Faculty Development Award** (US\$2,330). “Race and Gender Diversity in U.S. Agriculture”. Sant’Anna, A.C. (PI). Approved. 2023-2024. Completed.
7. **USDA-National Institute of Food & Agriculture**. “Liquid, Composted Or Dry-Stacked? Unravelling The Effects of Manure Treatment On Pests In Organic Field Crops.” (\$749,999) Elizabeth Rowen (PI), Pena-Yewtukhiw, E. (Co-PI), James Kotcon (Co-PI), Sant’Anna, A.C. (Co-PI) (\$79,847.00), Rakesh Chandran (Co-PI), Ember Morrissey (Co-PI). Approved.
8. **Interamerican Development Bank**. “Takeout and delivery overpackaging: a lack of awareness or availability issue? (\$62,000) Luis Sandoval (PI), Sant’Anna, A.C. (Co-PI) (\$14,125), Nathan Fiala (Co-PI). Approved. Awaiting on Sub-Contract.
9. **Alcorn State University- Socially Disadvantaged Farmers and Ranchers Policy Research Center – Sub-Award** (\$55,011). “How diverse is FCS Leadership? A report on the ethical and cultural representation of FCS governing boards and leadership staff” Sant’Anna, A.C. (PI). Completed.
10. **Anderson Faculty Enrichment Fund** (US\$2,000). “Developing undergraduate teaching through instructor training and applied hybrid teaching activities”. Sant’Anna, A.C. (PI). Approved. 2021-2022. Completed.
11. **Program to Stimulate Competitive Research (PSCoR)** (US\$20,000). “Liquid, composted or dry-stacked? Unravelling the effects of manure treatment on pests in organic field crops.” Elizabeth Rowen (PI), Pena-Yewtukhiw, E. (Co-PI), James Kotcon (Co-PI), Sant’Anna, A.C. (Co-PI) (\$4050), Rakesh Chandran (Co-PI), Ember Morrissey (Co-PI). Approved. 2021-2022. Completed.
12. **Northeast SARE – Research and Education Grant**. (US\$248,302.00). “Developing an affordable Soil Health Test for the Appalachian Region to incentivize sustainable agricultural production” Pena-Yewtukhiw, E. (PI), Padrino, D. M. (Co-PI), Grove, J. H. (Co-PI), Coyne, M. S. (Co-PI), Sant’Anna, A.C. (Co-PI) (\$49,486). Approved. 2021-2024.
13. **Multi-State Hatch Project**. (WVA00731) “NC-1177: Agricultural and Rural Finance Markets in Transition.” National Institute of Food and Agriculture, U.S. Department of Agriculture, 2020–2024 (being renewed)
14. **FINATEC – Foundation of Scientific and Technological Enterprises**. (US\$600). “National Forests and Environmental Services: An Economic Valuation.” J.M. Nogueira (PI), A.C. Sant’Anna (Co-PI). Completed. 2008
15. **Travel Grants:** Student Governing Association Travel (SGA) Award for Graduate Students in Agricultural Economics (GSAE), 2017 (\$1,000). Western Agricultural Economics Associations Travel

Award, 2016 (\$500). Graduate Student Council Travel Grants, 2014-2016(\$1,350). XVI Latin-American Summer School in Operative Research Travel Grant, 2012.

Awards and Prizes

1. **Big XII Faculty Fellowship in 2023-2024** (\$2,500), West Virginia University.
2. One of the 5 finalists in **2024 WVU Distinction in Graduate Research Mentoring Award**
3. **Outstanding Teaching in 2022**, awarded by the Division of Resource Economics and Management, WVU. 2023
4. **Agricultural Economics Society Travel Award**. 2023. (£750)
5. **Outstanding Research Contributor in 2021**, awarded by the Division of Resource Economics and Management, WVU. 2022
6. **West Virginia University: Open Educational Resources Workshop** (2 hours). \$500 Stipend for workshop participation and review of materials. (2022)
7. **Distinguished Professional Contribution Award**, awarded by the Southern Agricultural Economics Association, 2021. (Poster 1st Place)
8. **Outstanding Service Contributor in 2020**, awarded by the Davis College WVU. 2021
9. **Outstanding Service Contributor in 2020**, awarded by Division of Resource Economics and Management, WVU. 2021
10. **Excellence in Review Awards**, Resources, Conservation & Recycling, Elsevier, 2017.
11. **University Distinguished Professors Graduate Student Award**, Kansas State University, 2016 (\$2,500).
12. **Golden Key GRA/GTA of the Year Finalist**, Kansas State University, 2016.
13. **Case Study Competition (1st Place)**. American Agricultural Economics Association, 2015 (\$100).
14. **XVI Award for the best Monograph in Economics** (Honorable Mention), Regional Economists' Council of Brasilia, Brazil, 2009.
15. **National Award for Outstanding Performance in Initiation into Scientific Research (3rd Place)**, National Council for Scientific and Technological Development, Brazilian Ministry of Science and Technology. 2008 (\$2,000).
16. **Novum Agencies Inside Award (1st Place)**, Germany. 2003.

Scholarships and Selections

1. **Honors College Faculty Fellows 2024-2025 Cohort**, West Virginia University, deferred to 2025
2. Selection for travel award to attend the 2024 Northeastern Agricultural and Resource Economics Association (NAREA) Post-Conference Workshop (covered hotel and registration)
3. Paper selected for 2023 Northeastern Agricultural and Resource Economics Association (NAREA) Post-Conference Workshop (\$2,000 travel awarded)
4. Selected for the **NAREA Career Advancement and Mentorship Program – 2021-2022 Cohort** ([LINK](#))
5. Selected for the **AAEA – Mentoring Workshop and Mentoring Program 2021**
6. Selected for the **FACDIS (West Virginia Consortium for Faculty and Course Development in International Studies) 2020 Scholar-Diplomat Program**. (Program canceled due to Covid-19)
7. **William L. Richter International Scholarship**. Kansas State University, 2016.
8. **2015 Borlaug Summer Institute** with World Prize Laureate Gebisa Ejeta at The Purdue Center for Global Food Security at Purdue University, West Lafayette, IN. ([LINK](#))
9. **Research Scholarship**. Brazilian Research Institute for Applied Economics (IPEA) & the Research for the National Development Program (PNPD), 2011-2013
10. **Research Transfer Leadership-Program**. University of Münster - Germany, Year of International Cooperation between Brazil and Germany. 2011.
11. **Second Brazilian Workshop of the Game Theory Society in honor of John Nash, on the 60th anniversary of Nash Equilibrium**, with Nobel Laureates: John Nash, Robert Aumann, Roger Myerson and Eric Maskin. 2011

12. **CAPES Masters Scholarship.** Brazilian Coordination of Improvement of Higher Level Education - CAPES, 2010
13. **Teaching Improvement Program (PAE).** Brazilian Coordination of Improvement of Higher Level Education - CAPES, 2010. [\(LINK\)](#)
14. **CNPq Masters Scholarship.** Brazilian National Council for Scientific and Technological Development (CNPq). Brazilian Ministry of Education, 2009
15. **National Program of Scientific Initiation Scholarship.** National Council for Scientific and Technological Development (CNPq). Brazilian Ministry of Education 2007-2008

Professional and University Service

Secretary, WERA-72 Multi-state Research Coordinating Committee and Information Exchange Group), 2024-

Chair, Agricultural and Finance Management Section – Agricultural and Applied Economics Association, 2020-2023.

Chair-Past, NC-1177: Agricultural and Rural Finance Markets in Transition 2020-2023

Topic Leader for Agribusiness Economics and Management - Agricultural and Applied Economics Association, 2020-2022

Track Session Organizer and Moderator, Agricultural and Applied Economics Association, 2021, 2022, 2023

Faculty Workload/P&T Unification Workgroup Member, Davis College, 2024-

Brazil Steering Committee, West Virginia University, 2019-To Present

Undergraduate Curriculum Committee, Resource Economics and Management, WVU, 2019-2021

Graduate Curriculum Committee, Resource Economics and Management, WVU, 2021-To Present

Promotion and Tenure Committee, Resource Economics and Management, WVU, 2020-2024

Student Research and Creative Scholarship Committee Member, Davis College, WVU, 2022-2024

Student Research and Creative Scholarship Committee Chair, Davis College, WVU, 2023-2024

Adviser, WVU Brazilian Student Association, WVU, 2020-To Present

Project 168 Coach, West Virginia University, 2023-2024

Search Committee,

Assistant Professor in Agricultural Economics, Kansas State University, 2016

Assistant Professor, West Virginia University, 2021-2022

Referee Service: Journal reviewer: American Journal of Agricultural Economics (1); Applied Economic Perspectives and Policy (5); Journal of the Agricultural and Applied Economics Association (1); Journal of Agricultural and Applied Economics (5); Agriculture Finance Review (3); GCB Bioenergy (2); Quantitative Finance and Economics (1); Applied Economics Teaching Resources (2); Agribusiness an International Journal (2); Canadian Journal of Agricultural Economics (2); Energy Policy (1); Resources, Conservation & Recycling (1); Journal of Latin American Geography (1); Revista de Economia e Sociologia Rural (1); Revista Cadernos de Economia (1). Abstract Referee for AAEA Meetings (2016, 2018, 2019, 2024), International Association of Agricultural Economists (2020, 2024) and Agricultural Economics Society (2022, 2023). Referee for the 18th International Symposium of Scientific Initiation at University of São Paulo, ESALQ/USP.

Affiliations

Agricultural and Applied Economics Association. Northeastern Agricultural and Resource Economics Association. NAREA Scholars Circle. Agribusiness Economics and Management Section. Agricultural Finance and Management Section. Latin American Section. International Association of Agricultural Economists. Agricultural Economics Society. Brazilian Economics, Administration and Rural Sociology Society.

Languages

German (Read: Fluent. Write: Fluent. Speak: Fluent). **Portuguese** (native speaker). **French** (Read: Intermediate. Write: Beginner. Speak: Beginner). **Spanish** (Read: Advanced. Write: Intermediate. Speak: Intermediate).

Computer Skills

Microsoft Office Suite; STATA; NLOGIT; GAMS; R Studio; ArcGIS (Beginner's level); Python (Beginner's level)

Additional Training

1. **West Virginia University, Davis College:** Training on transitioning face-to-face classes to online classes (2020) (12 hours)
2. **West Virginia University, Davis College:** Tools for Virtual Learning (2020)
3. **West Virginia University:** Basic Python Workshop (2020) (8 hours)
4. **Kansas State University:** Graduate Teaching Assistant Recognition of Achievement in Professional Development Certificate (2016 and 2017).
5. **University of Sao Paulo – ESALQ/USP:** Teaching Improvement Program (PAE) composed of a pedagogical preparation and supervised teaching internship.
6. **Brazilian National School of Public Health (FIOCRUZ):** Pesticides and their impacts on human health (20 hours) & Environmental chemical contaminants in water supply (20 hours), 2012.
7. **Brazilian Workshop of the Game Theory Society:** Network Game Theory (20 hours) with Matthew O. Jackson.

Extra-Curricular Activities

Volunteer Work: WV: WVU International Fair (2019). OH: Van Buren Shelter (2019), Taste of OSU (2018), Ronald Mc Donald House (2017). KS: Usher at McCain Theater (2015-2016). Nursing Home Visiting Ministry (2015).

Presentations and Posters

Invited Presentations:

2024: Domestic:

Graduate Student's Seminar. (Spring) Panel Discussant. *Insights on research proposal writing*. WVU, WV.
Graduate Student's Seminar. (Fall) *Agricultural Economics: Strategic decision making, Sustainability and Policy*. WVU, Morgantown, WV.

2023: International:

Brazilian Institute for Applied Economics (IPEA), Week of the Environment. Panel 2 – Environment: Sustainable Agriculture. Discussant. *Agriculture and the Environment in the USA: Highlights from agricultural policy*. Brasilia, Brazil

Domestic:

Graduate Student Seminar. *Race and Gender Diversity in U.S. Agriculture: A Look at the Leadership in Agricultural Lending Institutions, Credit Access and Communicating to Minority Farmers*. WVU, WV.
Faculty Justice Network - Faculty Talks *Examining the relationship between women and minority farmers and diversity in the leadership of farm credit institutions*. WVU, WV.

2022: International:

Graduate Student Seminar. *Credit access to minority in the U.S.* State University of Maringa (UEM). July 7th

2022. Maringa, PR, Brazil.

Domestic:

The Committee on Small Business Subcommittee on Oversight, Investigations, and Regulations, “An Empirical Review of the Paycheck Protection Program.” Washington, DC (Co-Author presented) Graduate Seminar. *Measuring diversity in the leadership of farm credit lending institutions and their linkages to credit access*. Mississippi State University. Nov. 4th 2022.

2021: International:

Brazilian Institute for Applied Economics (IPEA) Webinar – Agriculture and Public Policy: Characteristics in Brazil and United States. 11/16/2021 1:30pm-3:30pm (EST).

KSE Academic Seminars. *Impacts of Race and Gender on the SBA Paycheck Protection Program (PPP) Loan Amounts*. Presented with co-author Demko, I at the Kyiv School of Economics. March 11th, Kiev, Ukraine.

Domestic:

Graduate Student’s Seminar. *How Economic Conditions Changed the Number of U.S. Farms, 1960-88: A Replication and Extension of Gale Jr. (1990) to Mid-Size Farms*. WVU, Morgantown, WV.

2019: International:

Feedstock Production and Contracting: Evidence from Sugarcane Production for Ethanol in Brazil. Federal University of Vicosa – UFV September 27th Vicosa, MG, Brazil.

Domestic:

Graduate Student’s Seminar. *Exploring the relationship between land values and credit availability*. West Virginia University, Morgantown, WV. Graduate Student’s Seminar.

2018: Domestic:

Graduate Student’s Seminar. *Exploring the relationship between land values and credit availability*. The Ohio State University, Department of Agricultural, Environmental and Development Economics. Sept 5th Columbus, OH.

2017: International:

Graduate Student’s Seminar. *Ethanol and Sugarcane Expansion in the Brazilian Cerrado: Farm, Industry, and Market Analysis*. University of Sao Paulo – ESALQ Campus. June 19th Piracicaba, SP, Brazil.

Conference Presentations/Posters (papers presented by me state presenter/poster and * for student):

2024: Domestic:

NAREA Annual Conference (poster*). *Does Willingness-to-Pay for Soil Health Testing change according to Soil Quality?* Rehoboth, MD.

NAREA Annual Conference (presenter*). *The economic use of the savanna: a simulation of the sustainable extraction of a Non Wood Forest Product in the Brazilian Cerrado* Rehoboth, MD.

2024 WERA-72 Annual Meeting. *Gaging demand for a comprehensive soil testing in West Virginia* (poster), June 4-5, Tucson, AZ

27th Annual Graduate Student Research and Creative Scholarship Conference (poster*) *What are the Costs and Benefits from Carbon Sequestration to Livestock Producers in Appalachia?* West Virginia University.

2024 Meeting of the Southern Regional Science Association. (poster*) *What are the Costs and Benefits from Carbon Sequestration to Livestock Producers in Appalachia?* Washington, DC

United State Society for Ecological Economics (USSEE) 13th Biennial Conference. (presentation*). *Geographically Weighted Panel Regression: A Spatial Approach to Investigate the EKC Hypothesis with a Focus on Recreation and Tourism*. Schenectady, NJ June 6-9, 2024

West Virginia Association of Geospatial Professionals - WV GeoCon Bridging the Gaps. (presentation*). *The intersection of GHG emissions, GDP, and the recreation economy in Appalachia*. May 13-16, 2024, Charleston, WV

Southern Agricultural Economics Association (SAEA) 56th Annual Meeting, (presentation) *Are U.S. Government Programs Reaching Minority Farmers? Evidence from the Paycheck Protection Program*

Approval Rates, Feb. 3-6, Atlanta, GA

2023: International:

Agricultural Economics Society 97th Annual Conference (presenter). *Examining the Relationship Between Women, Minority Farmers, and Diversity in the Leadership of Farm Credit Institutions*. Warwick, UK.
XVII Congress of the European Association of Agricultural Economists (EAAE). (2 posters and moderator) *Minority-Owned Agricultural Business and Challenges with the Paycheck Protection Program: Seeking ways to reach Farmers and Identifying linkages between women, non-white farmers, and the level of diversity in the leadership of a major US ag lender*. Rennes. France. August 2023
61st Conference of the Brazilian Society for Economics, Administration and Rural Sociology (SOBER). *Cost efficiency and land rental cost of sugar and ethanol producing plants – an analysis for 2021/2022 harvest year*. Brasilia, DF, Brazil. 2023.

Domestic:

26th Annual Graduate Student Research and Creative Scholarship Conference (poster*) *Does Willingness-to-Pay for Soil Health Testing change according to Soil Quality?* West Virginia University.
2023 NAREA Post-Conference Workshop *Are US Government Programs Reaching Minority Communities? Evidence from the Paycheck Protection Program Approval Rates for Production Agriculture*. Annapolis, MD.
AAEA Meetings (presenter-track session), *Examining the Relationship Between Women, Minority Farmers, and Diversity in the Leadership of Farm Credit Institutions*. Washington, DC. 2023
NC-1177 Joint Meeting, Atlanta, GA. (presentation*) *Does a diverse leadership board enhance the performance of a lending institution? Evidence from the Farm Credit Association*.
NC-1177 Joint Meeting, Atlanta, GA. *Financial Support, Information Barrier, and Minority Farming Communities: Examination of Minority Farmer Participation in PPP Program*.

2022: International:

Agricultural Economics Society 96th Annual Conference (presenter). *How economic conditions changed the number of US Farms, 1960–1988: A replication and extension of Gale (1990) to midsize farms in the United States and abroad*.
60th Brazilian Society for Economics, Administration and Rural Sociology (SOBER). *Agricultural Credit in the United States: Structure and Comparisons with Brazil*. Brazil.

Domestic:

25th Annual Virtual Graduate Student Research and Creative Scholarship Conference (poster*) *Does a diverse leadership board at a lending institution increase credit access to minority farmers?* West Virginia University.
NAREA Annual Conference (poster*) *The Environmental Kuznets Curve and the intersection of GHG emissions, GDP, energy consumption, and recreation in West Virginia*. Mystic, CT.
AAEA Meetings (presenter, track session organizer and moderator), *The Role of Gender, Race and Ethnicity in the PPP loans*. Anaheim, CA
AAEA Meetings (poster) *Does a diverse leadership board at a lending institution increase credit access to minority farmers?* Anaheim, CA
2022 NC-1177 Joint Meeting, (presenter, moderator) *Measuring the diversity of farm credit leadership*. Detroit, MI

2021: International:

Brazilian Society for Economics, Administration and Rural Sociology (SOBER) (presenter) Virtual Meeting. *Productive diversity and agricultural policy: A panorama of Brazil and the United States*.
31st International Conference of Agricultural Economists (Virtual Meeting) (presenter and moderator) *Deal or No Deal? Analysis of Bioenergy Feedstock Contract Choice with Multiple Opt-Out Options and Contract Attribute Substitutability*.

Domestic:

AAEA Meetings (presenter, session organizer, moderator), *Can FinTech and Non-Traditional lenders increase credit access in Agriculture? Evidence from the Paycheck Protection Program*. Austin, TX

24th Annual Virtual Graduate Student Research and Creative Scholarship Conference
 (presentation*) *How Covid-19 Affected the Stock Market Returns of Meat Processors in the U.S: An Event Study Approach*
NAREA Annual Conference (presentation*) *How Covid-19 Affected the Stock Market Returns of Meat Processors in The U.S: An Event Study Approach*
NAREA Snippets (presenter) *Can non-traditional lenders Increase Credit Access in Agriculture? Evidence from the Paycheck Protection Program*
NAREA Scholars Circle, Virtual. *How Economic Conditions Changed the Number of U.S. Farms, 1960-88: A Replication and Extension of Gale Jr. (1990) to Mid-Size Farms*
SAEA Virtual Annual Meeting (poster*), *The Impact of Supply Chain Disruptions on Stock Market Returns During Covid-19*

2020: International:

Brazilian Society for Economics, Administration and Rural Sociology (SOBER) Virtual Meeting.
 (presenter) *Farm income and small farms: similarities and differences between Brazil and the US.*

Domestic:

AAEA Virtual Annual Meeting (poster), *Is the relationship between land values and credit availability a thing of the past?*
2020 NC-1177 Joint Meeting *Are Cash Rents Sticky? Analysis of County Level Data*. Virtual Meeting.
Food Distribution Research Society 2020 Virtual Annual Meeting. *Consumer Willingness-to-pay for Improved Safety of Locally-Grown Fresh Produce* (oral presentation*).

2019: International:

AARES, *Impact of Ethanol Plant Location on Corn Revenues for U.S. Farmers*, Melbourne, Australia.

Domestic:

AAEA Meetings (presenter, poster), *Land values and farm debt accumulation: A dynamic model*,
AAEA, Meetings (presenter, track session) *Agricultural technical efficiency in Brazil at the state level: Assessing determinants of change*.
SAEA Meetings (presenter), *The Impact of Bank Concentration on Land Values*, Birmingham, AL.

2018: Domestic:

AAEA Meeting (presenter and discussant) *Determinants of land value volatility in the Corn Belt* ([LINK](#)).
 Washington, D.C. 2018
NAC/NC-1177 Joint Meeting (presenter) *Exploring the relationship between land values and credit availability*. Federal Reserve Bank of St. Louis.

2017: International:

55th Conference of the Brazilian Society of Economics, Administration and Rural Sociology, *Contracts negotiated between mills, sugarcane producers and landowners in Goiás and Mato Grosso do Sul: a stated choice application*, Santa Maria, RS, Brazil.

Domestic:

SAEA Meetings (presenter), *Does Vertical Integration Increase Efficiency? A Look at Ethanol Plants in the Center-South of Brazil*, Mobile, AL.

2016: Domestic:

AAEA Meeting (presenter) *Analyzing sugarcane production contracts in Brazil: What do the farmers really want?* ([LINK](#)).
Kansas Research Forum (presenter) *Foreign Versus National: The Efficiency of Ethanol Plants in Brazil*, Kansas State University.

2015: Domestic:

Kansas Research Forum (presenter) *Ethanol expansion in the Brazil: Analyses of the economic drivers*, Kansas State University.
AAEA Meetings (poster) *It is all about location? An analysis of the factors that affect the location decision of sugarcane processing mills in Goiás and Mato Grosso do Sul*, San Francisco, CA.
The Energy Symposium (poster) *The linkages between sugarcane producers and mills in the Cerrado region*,

Manhattan, KS.

2014: Domestic:

AAG Annual Meeting (presenter) *The Economic use of the Cerrado Legal Reserve: A Simulation of the Sustainable Harvest of Pequi*, Tampa, FL.

The Energy Symposium (poster) *A welfare analysis of preferential fuel taxes for ethanol in Brazil*, Manhattan, KS.

2012: International:

International Society for Environmental Economics Conference (presenter) *Valuing environmental goods and services: is it a tool for increasing the effectiveness of PES schemes in developing countries?* Rio de Janeiro, RJ.

V Congreso de Economía de la Salud de América Latina y el Caribe (poster) *Composition of the private health spending of families living in rural and urban areas of the great regions of Brazil in 2008-2009*, Montevideo, Uruguay.

2011: Domestic:

IX Meeting of the Brazilian Society for Environmental Economics (presenter) *The economic use of the legal reserve in the Cerrado: a simulation of the sustainable extraction of pequi in Ipora*, Brasília, DF.

63rd Annual Meeting of the Brazilian Society for the Scientific Progress (poster) *Economic use of the Legal Reserve in the Cerrado: a case study of the sustainable extraction of pequi*, Goiania, GO.

2010: Domestic:

48th Conference of the Brazilian Society of Economics, Administration and Rural Sociology (presenter) *The economic value of environmental goods and services: an application in the Brazilian Cerrado*, Campo Grande, Brazil.

Young Researchers' Seminar. XI Seminar for Industrial Economics (presenter) *Maxi-mizing the profits of the pequi collectors' cooperative of Japonvar-MG: What is the ideal product mix?*, Araraquara, SP.

2009: Domestic:

47th Conference of the Brazilian Society of Economics, Administration and Rural Sociology (presenter) *Economic valuation of environmental services of National Forests*, Porto Alegre, Brazil.

61st Annual Meeting of the Brazilian Society for the Scientific Progress (poster) *National Forests and environmental services: An economic valuation*, Manaus, AM.

2008: Domestic:

Young Researchers' Seminar. IX Seminar for Industrial Economics (presenter) *The economic regulation in Brazil*, Araraquara, SP.

XIV Congress for Scientific Initiation at the University of Brasília and the 5th Congress of Scientific Initiation of DF (poster) *National forests and environmental services: an economic valuation*, Brasília, DF.

Outreach Presentations

2023: Musekwa, M., Kotcon, J., Chandran, R., Morrissey, E., Peña-Yewtukiw, E., **Sant'Anna, A. C.**, Rowen, E. *Manures as Fertilizer in Organic Field Crops*. WVU Organic Farm Field Day Program. West Virginia University Organic Research Education and Outreach Center, Morgantown, 19th Aug.

2019: Katchova, A.L., **A.C. Sant'Anna**, and E.C. Davis. *The Ohio State University Farm Income Enhancement Program*. Community Engagement Conference. The Ohio State University, 23-24 Jan.

2018: Katchova, A.L. (with contributions from R. Dinterman and **A.C. Sant'Anna**) *Ohio Farm Financial Conditions and Outlook 2018*. OSU Agricultural Policy and Outlook Conference, 2nd Nov. Katchova, A. and **A.C. Sant'Anna**. *Are We Financially Fit? Understanding Farm Income and Balance Sheet Forecasts*. Ask the Expert, OSU Farm Science Review, 18-19 September 2018, London, OH. (presented twice)

2017: Katchova, A.L. (with contributions from L. Connor, R. Dinterman and **A.C. Sant'Anna**) *Ohio Farm Financial Condition: Farm Income and Assets, Land Values and Rent, and Farm Financial Stress*. OSU Agricultural Policy and Outlook Conference, 9th Nov.

2012: Rio +20 - United Nations Conference on Sustainable Development. IPEA in Rio+20. (Invited

presenter) *The economic use of the Legal Reserve in the Cerrado: The case of the Pequi in Goiás and Minas Gerais*, Rio de Janeiro, RJ.

Interviews and Mentions

2024: YouTube Video, WVU Davis College Channel, “Davis College students put their work to the test!” Interview about the Student Research and Creative Scholarship Day ([LINK](#))

2023: Cision PRWeb. “Limits to Capital: Assessing the Role of Race on the Paycheck Protection Program for African American Farmers in America” interview by Allison Ware from AAEA ([LINK](#))

2022: Levin Podcast, Disparities in PPP Lending by Race, Ethnicity and Gender, Levin College at Cleveland State University ([LINK](#))

Mentioned with Elizabeth Rowen in “WVU to research effective ways to use manure as organic fertilizer” in various media outlets Beef Magazine, Feedstuffs, Lootpress, Manure Manager, BioEngineer.org, Scienmag, Eurekalert! ([LINK](#))

2019: Mentioned in North Texas e-News “Farm income projections hold a bit of good news”

2018: Mentioned in Matt, R. “Ohio’s farm economy looking grim heading into 2018 harvest” *Ohio’s Country Journal*

2017: Interview with Ani Katchova and FIE Team for “Farm income expected to rise” *AEDE News*. Podcast Interview with Ani Katchova and FIE Team “Is the farm economy repeating the 1980’s”.

2016: Youtube Video with Aleksan Shanoyan for IFAMR Journal “Case study: Ethanol and sugarcane expansion in Brazil: What is fueling the ethanol industry?”

2012: Mentioned in Fioravanti, C. “Beef from the forest” *Pesquisa FAPESP*

2011: Mentioned in Aguiar, A.N. “Economic use of the legal reserve in the *Cerrado*.” *Noticias Esalq-USP*