

Xiting Zhuang

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North Dakota State University
Richard H. Barry Hall 400C
Fargo, ND 58102

Research Interest

International Trade and Policy; Agricultural Supply Chain; Applied Artificial Intelligence; China Social Issues

Academic Experience

- **Research Assistant Professor** Nov 2024 – Present
Department of Agribusiness and Applied Economics
North Dakota State University Fargo, ND
- Postdoctoral Research Associate Feb 2024 – Oct 2024
Texas A&M University College Station, TX
- Graduate Research Assistant Jan 2019 – Oct 2020
Eversource Energy Center, University of Connecticut Storrs, CT
- Graduate Research and Teaching Assistant Sep 2018 – Jan 2024
University of Connecticut Storrs, CT

Education

- University of Connecticut, Department of Agricultural & Resource Economics Storrs, CT
Ph.D. in Agricultural and Resource Economics 2024
- Georgia Institute of Technology, College of Computing (OMSCS) Atlanta, GA
M.S. in Computer Science 2026
- Fuzhou University, School of Economics & Management Fuzhou, China
M.S. in Quantitative Economics 2017
- Xiamen University, Tan Kah Kee College Xiamen, China
B.A. in Accounting 2014

Research

Publications

- Weidong Tian, Zhiyong Dai, Dongli Cao, & **Xiting Zhuang***. “Parental Educational Pairings and Child Physical Abuse: Evidence from China.” *International Journal of Educational Development*. (Accepted).
- Weidong Tian & **Xiting Zhuang***. “Work Environment and Intimate Partner Violence Against Women: Evidence from China.” *Applied Economics*. (Accepted).
- Colin A. Carter, Sandro Steinbach*, & **Xiting Zhuang** (2025). “Global Shipping Container Disruptions and U.S. Agricultural Exports.” *Journal of Transport Economics and Policy*, 59(2), 110-136.
- Zhihong Xu*, **Xiting Zhuang**, & Shuai Ma (2025). “Machine Learning-Assisted Systematic Review: A Case Study in Learning Analytics.” *Education Sciences*, 15(11), 1488.

- Sandro Steinbach* & **Xiting Zhuang** (2025). “Trade Implications of Ending China’s Zero-Covid Policy.” *Asian Economics Letters*. (Accepted)
- Sandro Steinbach* & **Xiting Zhuang** (2023). “Global Container Shipping Disruptions, Pop-Up Ports, and U.S. Agricultural Exports.” *Applied Economic Perspectives and Policy*, 1-19.
- Sandro Steinbach* & **Xiting Zhuang** (2023). “The Impact of Maritime Shipping Disruptions on U.S. Tree Nut Exports and Inventories.” *Agribusiness*.
- Sandro Steinbach* & **Xiting Zhuang** (2023). “U.S. Agricultural Exports and the 2022 Mississippi River Drought.” *Agribusiness*.
- Colin A. Carter, Sandro Steinbach*, & **Xiting Zhuang** (2022). “Supply Chain Disruptions and Containerized Agricultural Exports from California Ports.” *Applied Economic Perspectives and Policy*.
- Henning Schweizer, Sandro Steinbach*, & **Xiting Zhuang** (2022). “A Portrait of Firms that Trade in Meat Products.” *Western Economics Forum*.
- Rachit Goyal, Sandro Steinbach*, Yavuz Yildirim, & **Xiting Zhuang** (2024). “U.S. Agricultural Trade Challenges Amid Climate and Geopolitical Disruptions.” *Choices*.
- Sandro Steinbach* & **Xiting Zhuang** (2023). “Retaliatory Tariffs and Container Shipping Disruptions Cause Considerable Trade Damages to California’s Almond Industry.” *Choices*, 38(2).
- **Xiting Zhuang*** (2016). “Urbanization Process and Carbon Emission in China Based on Semi-Parametric Spatial Lags Model.” *Logistics Engineering and Management*.

Working Papers

- Zhihong Xu*; Jaehyun Ahn; Shuai Ma; Anjorin Ezekiel Adyemi; Fahmida Husain Choudhury; **Xiting Zhuang**; Rafael Landaverde; Gary J. Wingenbach. “Bridging Language and Data: Transforming Agricultural Curricula for Data Analytics Through Linguistic Insights”
- Peng Lu*, Lulu Mao, & **Xiting Zhuang**, Zhihong Xu & Shuai Ma. “U.S. Public Perceptions of Food Date Labeling: Text Mining and Content Analysis of USDA Request for Information (RFI) Responses.”
- Zhihong Xu, **Xiting Zhuang** & Shuai Ma. “Machine Learning-Assisted Systematic Review: A Case Study in Learning Analytics.”
- Weidong Tian & **Xiting Zhuang***. “The Gift of Equality: Legal Recognition of Same-Sex Unions and Elder Abuse.” (*Paper under review*).
- Zhiyong Dai, Weidong Tian, & **Xiting Zhuang***. “The Call of Kinship: How Clan Culture Shapes Rural Residents’ Commitment to Hometown Development in China.” (*Paper under review*).
- Weidong Tian, Zhiyong Dai, Dongli Cao, & **Xiting Zhuang***. “Parental Educational Pairings and Child Physical Abuse: Evidence from China.” (*Paper under review*).
- Weidong Tian, Dongli Cao, & **Xiting Zhuang***. “Tradition or Tragedy: Arranged Marriages and Domestic Violence.” (*Paper under review*).
- **Xiting Zhuang***. “Temperature, Allowance, and Air Pollution: Evidence from Regression Discontinuity Design.”
- Weidong Tian & **Xiting Zhuang***. “Bread and Bruises: The Great Chinese Famine and Domestic Violence.”
- Sandro Steinbach & **Xiting Zhuang***. “Global Supply Chain and Domestic Cost Shocks.”
- Sandro Steinbach & **Xiting Zhuang***. “Global Trade Effects of Tightening Environmental Trade Policies in China.”

Policy Briefs and Outreach Work

- Arita, S., Kim, J., Lwin, W., Steinbach, S., Wang, M., & **Xiting Zhuang** (2025). Implications of New U.S.-China Deal, Soybean Commitments, Port Fee Suspension, and SE Asia Deals. *NDSU Agricultural Trade Monitor 2025-11*. Center for Agricultural Policy and Trade Studies, North Dakota State University. November 6, 2025.
- Arita, S., Kim, J., Lwin, W., Steinbach, S., Wang, M., & **Xiting Zhuang** (2025). China Could Bypass U.S. Soybeans in 2025/26 and IEEPA Tariffs Raise Input Costs. *NDSU Agricultural Trade Monitor 2025-10*. Center for Agricultural Policy and Trade Studies, North Dakota State University. October 20, 2025.
- Arita, S., Kim, J., Lwin, W., Steinbach, S., & **Xiting Zhuang** (2025). Soybean Basis Hits Record Low Amid Zero New-Crop Sales to China. *NDSU Agricultural Trade Monitor 2025-09*. Center for Agricultural Policy and Trade Studies, North Dakota State University. September 10, 2025.
- Arita, S., Kim, J., Lwin, W., Steinbach, S., Wang, M., & **Xiting Zhuang** (2025). IEEPA Tariff Escalation: What It Means for U.S. Food and Ag-Input Imports. *NDSU Agricultural Trade Monitor 2025-08*. Center for Agricultural Policy and Trade Studies, North Dakota State University. August 12, 2025.
- Arita, S., Steinbach, S., Wang, M., & **Xiting Zhuang** (2025). China's Import Declines Reflect Broader Demand Weakness. *NDSU Agricultural Trade Monitor 2025-07*. Center for Agricultural Policy and Trade Studies, North Dakota State University. July 10, 2025.
- Arita, S., Steinbach, S., & **Xiting Zhuang** (2025). *NDSU Agricultural Trade Monitor 2025-06*. Center for Agricultural Policy and Trade Studies, North Dakota State University. June 10, 2025.
- Sunghun Lim, Sandro Steinbach, & **Xiting Zhuang** (2024). "Panama Canal Traffic Delays Threaten Southern Ag Global Supply Chains." *Southern Ag Today*.
- Sandro Steinbach, Yavuz Yildirim, & **Xiting Zhuang** (2024). "Ripple Effects of Shipping Lane Disruptions on U.S. Agriculture." *Farmdoc Daily*.
- Rachit Goyal, Sandro Steinbach, Yavuz Yildirim, & **Xiting Zhuang** (2024). "Southern U.S. Agriculture Faces Headwinds in Asia Amid Red Sea Shipping Disruptions." *Southern Ag Today*. 0
- Sandro Steinbach & **Xiting Zhuang** (2023). "Down the River: How the 2022 Mississippi River Drought Damaged Southern U.S. Agricultural Trade." *Southern Ag Today*.
- Henning Schweizer, Sandro Steinbach, & **Xiting Zhuang** (2022). "International Market Concentration in the Southern Meat Trading Market." *Southern Ag Today*.
- Sandro Steinbach & **Xiting Zhuang** (2022). "Shipping Container Disruptions Cause Considerable Export Losses for Southern Ports." *Southern Ag Today*.
- Sandro Steinbach & **Xiting Zhuang** (2021). "Cost-Benefit Analysis of Detection Systems for Protecting Critical Infrastructure from UAV Threats in Connecticut." *Eversource Energy*.
- Colin A. Carter, Sandro Steinbach, & **Xiting Zhuang** (2021). "Containergeddon and California Agriculture." *ARE Update*, 25(2): 1–4.

Note: Entries marked with * indicate corresponding author.

Grants and Funding

- **USDA National Institute of Food and Agriculture (NIFA)** *Submitted October 2025*
Partnership: Next Generation Trade Intelligence for U.S. Beef, Pork, and Poultry Producers
Role: Co-Principal Investigator (Co-PI)
 Total Budget: \$800,000 (NDSU Subaward: \$275,000)
Project Director (PD): Modhurima Amin, Texas Tech University
Performance Period: 09/01/2026 – 08/31/2029

Teaching Experience

- North Dakota State University
Guest Lecturer, Econ 472/672 – International Trade
Fargo, ND
Spring 2025
- University of Connecticut
Teaching Assistant, ARE 3250 – Business Management
Storrs, CT
Spring 2020
- University of Connecticut
Teaching Assistant, ARE 2210/SARE 460 – Essentials of Accounting and Business
Storrs, CT
Fall 2019

Conference Invited Talks

- International Agricultural Trade Research Consortium (IATRC) (scheduled)
“Tariff Pass-Through in the 2025 U.S.–China Tariff Escalation.”
Washington, DC
Dec 2025
- Agricultural & Applied Economics Association (AAEA) Annual Meeting
“Temperature, Allowance, and Air Pollution: Evidence from Regression Discontinuity Design.”
New Orleans, LA
Jul 2024
- International Agricultural Trade Research Consortium (IATRC)
“Global Supply Chain and Trade Cost Shocks.”
Clearwater, FL
Dec 2023
- Agricultural & Applied Economics Association (AAEA) Annual Meeting
“U.S. Agricultural Exports and the 2022 Mississippi River Drought.”
Washington, DC
Jul 2023
- AAEA at ASSA
“Global Container Trade Disruptions, Pop-Up Ports, and U.S. Agricultural Exports.”
New Orleans, LA
Jan 2023
- International Agricultural Trade Research Consortium (IATRC)
“Covid-19 Pandemic on International Trade: Evidence from China.”
Clearwater, FL
Dec 2022
- Agricultural & Applied Economics Association (AAEA) Annual Meeting
“Global Shipping Container Disruptions and U.S. Agricultural Exports.”
Anaheim, CA
Aug 2022
- Northeastern Agricultural & Resource Economics Association (NAREA) Meeting
“Supply Chain Crisis and Empty Shipping Containers.”
Mystic, CT
Jun 2022
- CAHNR Graduate Student Research Forum, University of Connecticut
“Global Trade Effects of Tightening Environmental Standards in China.”
Storrs, CT
May 2022
- Steinbach Research Group Seminar, University of Connecticut
“Global Shipping Container Disruptions and U.S. Agricultural Exports.”
Storrs, CT
Mar 2022
- International Agricultural Trade Research Consortium (IATRC)
“The Heterogeneous Effect of Vaccination on Trade in the United States.”
Virtual
Jan 2021
- Association of Environmental & Resource Economists (AERE) Summer Conference
“The Waste Backhaul Between the United States and China.”
Virtual
Jun 2021
- European Association of Environmental & Resource Economists (EAERE)
“Environmental Standard, Waste Backhaul and Maritime Trade.”
Virtual
Jun 2021
- Northeastern Agricultural & Resource Economics Association (NAREA) Annual Meeting
“Global Waste Crisis? The Role of Chinese Environmental Trade Policies.”
Mystic, CT
Jul 2020
- Association of Environmental & Resource Economists (AERE) Summer Conference
“International Trade Effects of Stricter Environmental Trade Policies in China.”
Virtual
Jun 2020
- Agricultural & Applied Economics Association (AAEA) Annual Meeting
“Global Trade Effects of Tightening Environmental Standards in China.”
Atlanta, GA
Jul 2019

- Agricultural & Resource Economics Seminar, University of Connecticut
“Global Trade Effects of Tightening Environmental Standards in China.”

Storrs, CT
Oct 2019

Referee Service

- Applied Economic Perspectives and Policy
- Oxford Bulletin of Economics and Statistics
- International Food and Agribusiness Management Review
- Journal of the Agricultural and Applied Economics Association
- Agricultural & Applied Economics Association (Conference Review)

Honors, Awards, & Fellowships

- Conference Participation Award, Graduate School, University of Connecticut 2022
- 26th Participation Grant, European Association of Environmental and Resource Economists 2021
- Predoctoral Fellowship Award, ARE, University of Connecticut 2021
- Summer Fellowship, ARE, University of Connecticut 2020
- 2019 Travel Award, Agricultural & Applied Economics Association 2019
- Summer Fellowship, ARE Department, University of Connecticut 2019
- TKK First Order Scholarship, Xiamen University 2011

Affiliations

- Agricultural and Applied Economics Association
- International Agricultural Trade Research Consortium
- Northeastern Agricultural and Resource Economics Association
- Association of Environmental and Resource Economists
- European Association of Environmental and Resource Economists

Miscellaneous

- *Computer Skills:* ArcGIS, \LaTeX , Stata, SQL, Python, Java, R
- *Languages:* English (Professional), Mandarin Chinese (Native), Hokkien (Native)

References

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Colin A. Carter, Distinguished Professor
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