

# Hongqiang Yan

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## ACADEMIC POSITIONS

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Postdoctoral Research Scholar	2024 – Present
Morrison School of Agribusiness, W. P. Carey School of Business, Arizona State University	

## RESEARCH FIELDS

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Production Economics, Technology Adoption, Econometric Theory, Applied Econometrics, Big Data Analysis, Risk Management, Agribusiness Finance, Climate Change

## EDUCATION

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Ph.D. in Economics, North Carolina State University	2024
Dissertation: <i>Essays on High-Dimensional Threshold Models</i>	
Ph.D. Committee: Mehmet Caner (Chair), Barry Goodwin, Zheng Li, Ilze Kalnina	
M.S. in Economics, Texas A&M University	2018
B.A. in Finance, Beijing Jiaotong University	2016

## PEER-REVIEWED JOURNAL ARTICLES

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- [1] Yan, H., Mishra, A. K., & Zhou, X. (2025). Do all food and beverage firms benefit from voluntary ESG reporting? Evidence from China's listed companies. *Agribusiness*, forthcoming.
- [2] Khanal, A. K., Mishra, A. K., Hazrana, J., & Yan, H. (2025). Risk attitude, perception, management experience, and productivity: Evidence from a semiparametric approach and a less-developed economy. *European Review of Agricultural Economics*, forthcoming.

## SUBMITTED MANUSCRIPTS

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- [1] Mitchell Roznik, Ashok K. Mishra, **Hongqiang Yan**. *Field Rotation Related Soil Productivity Changes, Yield Risk, and Efficiency in Crop Insurance Rating*. (Revise and Resubmitted., *American Journal of Agricultural Economics*)
- [2] **Hongqiang Yan**, Serkan Aglasan, Le Chen, Roderick Rejesus. *The Dual Damage from Soil Erosion: Lower Yields and Higher Risk in US Agriculture*. (Under Review, *American Journal of Agricultural Economics*)

## WORKING PAPERS

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- [1] Jiatong Li, **Hongqiang Yan**. *Uniform Inference in High-Dimensional Threshold Regression Models*. (Co-first authored; Target Journal: *Journal of Econometrics*)
- [2] **Hongqiang Yan**, Barry Goodwin, Mehmet Caner. *Global Maize Market Integration: A High-Dimensional Local Projection Approach with Mixed-Frequency Data and Regime Switching*. (Target Journal: *Journal of Applied Econometrics*)
- [3] **Hongqiang Yan**, Mark Manfredo, Ashok K. Mishra. *Machine Learning Forecasts for Food Price Inflation: Expanding FRED-MD*.
- [4] **Hongqiang Yan**, Ashok K. Mishra, Jaweriah Hazrana. *Spatial Analysis of Modern Rice Varieties Technology on Production: Evidence from Panel Data in Bangladesh*.

- [5] Mitchell Roznik, Ashok K. Mishra, **Hongqiang Yan**. *Extreme Climate, Financial Health, and Credit Default Risk: An American Landscape*.

## WORK IN PROGRESS

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- [1] **Hongqiang Yan**. *Data-Driven Estimates of Structural Change in the Demand for Multiple Peril Crop Insurance*.
- [2] **Hongqiang Yan**, Ashok K. Mishra, Xi Zhou. *Examining the Role of Spatial Heterogeneity in Productivity-Enhancing Activities: Evidence from the Chinese Food and Beverage Sector*.

## TEACHING EXPERIENCE

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### **Instructor, Arizona State University**

*International Management and Agribusiness*

Summer 2025

### **Instructor, NC State University**

*Principles of Microeconomics*

Spring 2023

### **Graduate Teaching Assistant, NC State University**

*Fundamentals of Microeconomics (Graduate-Level)*

Fall 2022, 2021, 2020

Summer math camp and recitations

*Applied Econometrics I (Graduate-Level)*

Fall 2021, 2020, 2018

Recitations

*Introduction to Commodity Futures Markets*

Fall 2022

*Microeconomics II (Graduate-Level)*

Spring 2020

*Introduction to Econometric Methods (Graduate-Level)*

Spring 2020

*Principles of Microeconomics*

Spring 2022, Fall 2019

*Public Finance*

Spring 2019

## PRESENTATIONS

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\* indicates presenter

- [1] Hongqiang Yan\*, Mark Manfredo, Ashok K. Mishra. “Drivers of Food Price Inflation in the United States: A High-Dimensional Local Projection Approach”, Selected Poster, AAEA & WAEA Annual Meeting, Denver, CO, July 2025 (Scheduled).
- [2] Hongqiang Yan\*, Ashok K. Mishra, Xi Zhou. “Examining the Role of Spatial Heterogeneity in Productivity-Enhancing Activities: Evidence from the Chinese Food and Beverage Sector”, Selected Poster, AAEA & WAEA Annual Meeting, Denver, CO, July 2025 (Scheduled).
- [3] Subarta Chakraborty\*, Ashok K. Mishra, Hongqiang Yan. “Impact of Rural Employment Guarantee Program on Farming Efficiency: Evidence from an Emerging Economy”, Selected Paper, AAEA & WAEA Annual Meeting, Denver, CO, July 2025 (Scheduled).
- [4] Jiatong Li\*, Hongqiang Yan. “Uniform Inference in High-Dimensional Threshold Regression Models”, Selected Paper, The 19th International Symposium on Econometric Theory and Applications, Macau SAR, China, June 2025 (Scheduled).
- [5] Hongqiang Yan\*, Mark Manfredo, Ashok K. Mishra. “Machine Learning Forecasts for Food Price Inflation: Expanding FRED-MD”, Selected Paper, NCCC-134 Conference, Chicago, IL, April 2025.
- [6] Mitchell Roznik, Ashok K. Mishra, Hongqiang Yan\*. “Extreme Climate, Financial Health, and Credit Default Risk: An American Landscape”, Selected Paper, SAEA Annual Meeting, Irving, TX, February 2025.
- [7] Hongqiang Yan\*, Ashok K. Mishra, Jaweriah Hazrana. “Assessing Spatial Variations in Productivity and Technology Adoption: Evidence from Jute Production in Bangladesh”, Selected Paper, SAEA Annual Meeting, Irving, TX, February 2025.

- [8] Jiatong Li\*, Hongqiang Yan. “*Uniform Inference in High-Dimensional Threshold Regression Models*”, Selected Paper, Midwest Econometrics Group Conference, Lexington, KY, November 2024.
- [9] Jiatong Li\*, Hongqiang Yan. “*Uniform Inference in High-Dimensional Threshold Regression Models*”, Selected Poster, Canadian Econometrics Study Group, Toronto, ON, October 2024.
- [10] Hongqiang Yan\*, Barry K. Goodwin. “*Data-Driven Estimates of Structural Change in the Demand for Multiple Peril Crop Insurance*”, Selected Poster, AAEA Annual Meeting, New Orleans, LA, July 2024.
- [11] Hongqiang Yan\*, Serkan Aglasan, Le Chen, Roderick M. Rejesus. “*The Impact of Soil Erosion on Mean Yields and Yield Risk*”, Selected Paper, AAEA Annual Meeting, New Orleans, LA, July 2024.
- [12] Jiatong Li\*, Hongqiang Yan. “*Uniform Inference in High-Dimensional Threshold Regression Models*”, Selected Paper, Bristol Econometrics Study Group, Bristol, UK, July 2024.
- [13] Hongqiang Yan\*, Barry K. Goodwin, Mehmet Caner. “*Investigating Integration and Exchange Rate Pass-Through in World Maize Markets Using Inferential LASSO Methods*”, Selected Paper, AAEA Annual Meeting, Washington, DC, July 2023.
- [14] Hongqiang Yan\*. “*Uniform Inference in High-Dimensional Threshold Regression Models*”, Selected Paper, Midwest Econometrics Group Conference, East Lansing, MI, October 2022.

## FELLOWSHIPS, AWARDS, AND GRANTS

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2025 New Governance Lab Summer Research Grant, Arizona State University	2025
<i>Project: "Voluntary ESG Reporting and Firm Performance: An Exploration in China's Food and Beverage Industry"</i>	
Goodnight Doctoral Fellowship, NC State University	2022 – 2024
Awarded to 30 top doctoral students university-wide; provided guaranteed funding through graduation.	
Jenkins Fellowship, NC State University	2023 – 2024
Sole recipient selected from final-year Economics Ph.D. students for outstanding academic achievement.	

## JOURNAL REFEREE

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Referee: *Agribusiness: An International Journal*(× 3), *Journal of Agricultural and Applied Economics*(× 1)

## OTHER INFORMATION

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Programming: R, Python, MATLAB, Stata

Language: English(fluent), Mandarin Chinese(native)

Nationality/VISA Status: China/U.S. F-1

## REFERENCES

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### Barry K. Goodwin

William Neal Reynolds Distinguished Professor and Graduate Alumni Distinguished Professor  
Department of Agricultural & Resource Economics  
North Carolina State University  
[bkgoodwi@ncsu.edu](mailto:bkgoodwi@ncsu.edu)

### Roderick M. Rejesus

Professor and Extension Specialist  
Department of Agricultural & Resource Economics  
North Carolina State University  
[rmrejesu@ncsu.edu](mailto:rmrejesu@ncsu.edu)

### Ashok K. Mishra

Kemper and Ethel Marley Foundation Chair and Professor  
Morrison School of Agribusiness  
W. P. Carey School of Business, Arizona State University  
[Ashok.K.Mishra@asu.edu](mailto:Ashok.K.Mishra@asu.edu)

### Mehmet Caner (Ph.D. Advisor)

Thurman-Raytheon Distinguished Professor of Economics  
Department of Economics  
North Carolina State University  
[mcaner@ncsu.edu](mailto:mcaner@ncsu.edu)