

# 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, Applied Econometrics, Farm Financial Management, Crop Insurance and Risk Management, Big Data and Machine Learning Applications in Agriculture, Climate Change and Sustainability, Econometric Theory

## EDUCATION

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Ph.D. in Economics, North Carolina State University

2024

Dissertation: *Essays on High-Dimensional Threshold Models*

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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\* *Corresponding author*

- [1] Mitchell Roznik, Ashok K. Mishra, Hongqiang Yan. *Field Rotation Related Soil Productivity Changes, Yield Risk, and Efficiency in Crop Insurance Rating*. Under review at *Journal of Agricultural and Applied Economics*.
- [2] **Hongqiang Yan**\*, Serkan Aglasan, Le Chen, Roderick Rejesus. *The Dual Damage from Soil Erosion: Lower Yields and Higher Risk in US Agriculture*. Submitted.
- [3] Jiatong Li, **Hongqiang Yan**\*. *Uniform Inference in High-Dimensional Threshold Regression Models*. Submitted.

## WORKING PAPERS

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- [1] **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*)
- [2] **Hongqiang Yan**, Mark Manfredo, Ashok K. Mishra. Machine Learning Forecasts for Food Price Inflation: Expanding FRED-MD.
- [3] **Hongqiang Yan**, Barry Goodwin, Ashok K. Mishra. Detecting Structural Change in the Demand for Multiple Peril Crop Insurance

- [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] *Cost Functions Under Uncertainty: A Conditional Value-at-Risk Approach* with Ashok K. Mishra
- [2] *Uniform Inference and Variable Selection in High-Dimensional Cross-Section-Varying Panel Data Models with Structural Breaks* with Jiatong Li

#### TEACHING EXPERIENCE

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

*International Management and Agribusiness*

Summer 2025

Student Evaluations: **6.75/7** (35/46 responses), **6.64/7** (41/68 responses)

##### **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\*, Ashok K. Mishra, Xi Zhou. “Do all food and beverage firms benefit from voluntary ESG reporting? Evidence from China’s listed companies”, Second Annual Hong Kong University/New Governance Lab Conference, Phoenix, AZ, January 2026 (Scheduled).
- [2] 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.
- [3] 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.
- [4] 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.
- [5] 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).

- [6] 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.
- [7] 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.
- [8] 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.
- [9] Jiatong Li\*, Hongqiang Yan. “*Uniform Inference in High-Dimensional Threshold Regression Models*”, Selected Paper, Midwest Econometrics Group Conference, Lexington, KY, November 2024.
- [10] Jiatong Li\*, Hongqiang Yan. “*Uniform Inference in High-Dimensional Threshold Regression Models*”, Selected Poster, Canadian Econometrics Study Group, Toronto, ON, October 2024.
- [11] 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.
- [12] 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.
- [13] Jiatong Li\*, Hongqiang Yan. “*Uniform Inference in High-Dimensional Threshold Regression Models*”, Selected Paper, Bristol Econometrics Study Group, Bristol, UK, July 2024.
- [14] 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.
- [15] Hongqiang Yan\*. “*Uniform Inference in High-Dimensional Threshold Regression Models*”, Selected Paper, Midwest Econometrics Group Conference, East Lansing, MI, October 2022.

## FELLOWSHIPS AND AWARDS

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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.	

## RESEARCH GRANTS

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New Governance Lab Summer Research Grant, Arizona State University	2025
<i>Co-Investigator (with Ashok Mishra, PI).</i>	
Project: “Voluntary ESG Reporting and Firm Performance: An Exploration in China’s Food and Beverage Industry”.	
USDA Agriculture and Food Research Initiative Grant (Pending)	2026 – 2029
<i>Co-Principal Investigator (with Ashok Mishra, PI).</i>	
Project: “Modeling Structural Change in the Demand for Multiple Peril Crop Insurance: Implications for U.S. Agriculture”.	

## JOURNAL REFEREE

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Referee: *Agribusiness: An International Journal*( $\times 4$ ), *Journal of Agricultural and Applied Economics*( $\times 2$ )

## 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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### **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)

### **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)

### **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)

### **Roderick M. Rejesus**

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