

Hongqiang Yan

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ACADEMIC POSITIONS

Postdoctoral Research Scholar

2024 – Present

Morrison School of Agribusiness, W. P. Carey School of Business, Arizona State University

RESEARCH FIELDS

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

EDUCATION

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

PAPERS IN REVIEW

- [1] **Hongqiang Yan**, Ashok K. Mishra, Xi Zhou. *Voluntary ESG Reporting and Firm Performance: An Exploration in China's Food and Beverage Industry*. (Revise and resubmit, *Agribusiness: An International Journal*)
- [2] Khanal, Aditya, Ashok K. Mishra, Jaweriah Hazrana, **Hongqiang Yan**. *Risk Attitude, Perception, Management Experience, and Productivity: Evidence from a Semiparametric Approach and a Less-Developed Economy*. (Revise and resubmit, *European Review of Agricultural Economics*)
- [3] Mitchell Roznik, Ashok K. Mishra, **Hongqiang Yan**. *Field Rotation Related Soil Productivity Changes, Yield Risk, and Efficiency in Crop Insurance Rating*. (Revise and resubmit, *American Journal of Agricultural Economics*)
- [4] **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

- [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

- [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

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

* 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

2025 New Governance Lab Summer Research Grant, Arizona State University	2025
Project: "Voluntary ESG Reporting and Firm Performance: An Exploration in China's Food and Beverage Industry"	
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

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

OTHER INFORMATION

Programming: R, Python, MATLAB, Stata

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

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

REFERENCES

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

Ashok K. Mishra

Kemper and Ethel Marley Foundation Chair and Professor
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Roderick M. Rejesus

Professor and Extension Specialist
Department of Agricultural & Resource Economics
North Carolina State University
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Mehmet Caner (Ph.D. Advisor)

Thurman-Raytheon Distinguished Professor of Economics
Department of Economics
North Carolina State University
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