

YIFAN ZHOU

Ph.D. Candidate · Agricultural & Forestry Economics

Academic Affiliations

- **Northwest A&F University** (Project 985 211 University, China)
- **University of Toronto** (QS World Ranking Top 20) - Visiting Ph.D. Candidate / Research Assistant

Personal Information

Gender: Male | **Date of Birth:** September 30, 1996

Display Name: Ivan Zhou

Tel: (+86) 158-3389-8812

Email: ivanchou857@gmail.com

Supervisor: Prof. Caixia Xue (Ph.D. Supervisor)

Address: Room B521, College of Economics and Management, Northwest A&F University, Yangling, Shaanxi, China

Education

2024.8 - 2025.9

University of Toronto, Daniels Faculty of Forestry

Visiting Ph.D. Candidate / Research Assistant

- QS World University Ranking: Top 20
- Research Focus: Forest Carbon Sink and Climate Change Policy

2022.9 - 2025.9

Northwest A&F University, College of Economics and Management

Ph.D. Candidate in Management

- Project 985 & 211 University, Double First-Class University
- National Key Discipline in Agricultural & Forestry Economics
- ESI Global Top 1% Discipline

2019.9 - 2022.6

Hebei Agricultural University, College of Economics and Management

Master of Economics

- Provincial Key Discipline in Agricultural Economics
- Outstanding Master's Thesis Award

2015.9 - 2019.6

Hebei Agricultural University, Business School

Bachelor of Management

- Outstanding Graduate Award

Academic Achievements

Publications (10 Papers in Total, 8 as First Author, 3 SCI/SSCI Indexed)

SCI/SSCI Journal Papers

1. **[First Author]** "Forest Land Property Rights and Forest Ecosystem Quality: Evidence from Forest Land Titling Reform in China"

Journal of Environmental Management (2024)

- JCR Q1, SCI Top Category
- Impact Factor: 8.910
- DOI: <https://doi.org/10.1016/j.jenvman.2024.123744>

2. **[First Author]** "Carbon sequestration costs and spatial spillover effects in China's collective forests"
Carbon Balance and Management (2023)
 - JCR Q2, SCI Category 3
 - Impact Factor: 4.893
 - DOI: <https://doi.org/10.1186/s13021-024-00261-5>
3. **[Third Author]** "Spatiotemporal Evolution and Influencing Factors of Carbon Sink Dynamics"
International Journal of Environmental Research and Public Health (2023)
 - SSCI Indexed, JCR Q1
 - Impact Factor: 4.614
 - DOI: <https://doi.org/10.3390/ijerph182413081>

CSSCI Journal Papers

4. **[First Author]** "Does Forest Property Rights Reform Enhance Carbon Sequestration? Evidence from New-round Forest Reform" [In Chinese]
Agricultural Technology & Economics (2023)
 - CSSCI Core Journal
 - Leading Journal in Agricultural Economics
 - Full Text Reprinted by Renmin University
5. **[First Author]** "Spatiotemporal Evolution and Driving Factors of Forest Land Fragmentation in China: 1992-2022" [In Chinese]
Progress in Geography (2023)
 - CSSCI Core Journal
 - Official Journal of the Geographical Society of China
 - Top Journal in Geography
6. **[First Author]** "Spatiotemporal Evolution and Influencing Factors of Agricultural Carbon Emissions at County Level" [In Chinese]
Chinese Journal of Eco-Agriculture (2022)
 - CSCD Source Edition
 - Leading Journal in Agricultural Ecology
7. **[First Author]** "Meta-analysis of Forest Carbon Sequestration Response to Forest Management Intensity" [In Chinese]
Forestry Economics (2022)
 - PKU Core Journal
 - Official Journal of Chinese Society of Forestry Economics
8. **[First Author]** "Research on Agricultural Total Factor Productivity in Hebei Province Based on DEA-Malmquist Index" [In Chinese]

Journal of Hebei Agricultural University (2021)

- University Core Journal
- Cited by Multiple CSSCI Papers

9. **[First Author]** "Study on Planting Industry Production Efficiency in Hebei Province from Food Security Perspective" [In Chinese]

Statistics and Management (2021)

- Provincial Key Journal
- Cited by Multiple CSSCI Papers

10. **[First Author]** "Spatial Differentiation of Agricultural R&D and Agricultural Productivity" (Under Review) [In Chinese]

Issues in Agricultural Economy

- CSSCI Core Journal
- Top Journal in Agricultural Economics

Conference Presentations

1. **2023 China Forestry Economics Annual Conference**

- Presentation: "Forest Reform and Ecosystem Quality Research"
- **Achievement:** Outstanding Paper Award
- National Top Conference in Forestry Economics

2. **2023 China Land Economics Annual Conference**

- Presentation: "Forest Property Rights and Carbon Sequestration"
- **Role:** Invited Speaker
- Key Academic Conference in Land Economics

3. **17th Tsinghua University National Environmental Ph.D. Forum**

- Presentation: "Forest Management under Carbon Neutrality Goals"
- **Achievement:** Outstanding Paper Award
- Prestigious National Academic Forum

4. **2024 Tsinghua University Rural Research Ph.D. Forum**

- Keynote Speech: "Rural Property Rights and Ecological Governance"
- Selected for Plenary Session Presentation

5. **2024 Shimane University International Academic Exchange**

- English Presentation: "Forest Management and Carbon Sequestration"
- International Academic Exchange Program

6. **2nd National Input-Output and Big Data Research Conference**

- Paper Presentation and Outstanding Paper Award
- National Academic Conference

Research Projects

National Level Project

National Social Science Foundation Youth Project (2021.7 - 2021.8)

- Project Title: "Research on Carbon Storage Increment Ecological Compensation Mechanism for High-Quality Forestry Development"
- **Key Contributions:**
 - Conducted Meta-analysis of national forest management experimental data
 - Developed innovative prediction models using Python and R programming
 - Applied DID method for empirical analysis
 - Research findings adopted by provincial policy makers

National Natural Science Foundation of China General Program (July 2021 - August 2023)

- Project Title: Research on the Mechanism of Environmental Awareness and Skills Affecting Farmers' Pro-environmental Behavior and Policy Optimization: A Case Study of Non-timber Forest Products Production in the Qinba Mountains
- **Main Responsibilities:**
 - Organized and led a team to conduct green production and rural environmental surveys in 9 counties in the southern Shaanxi mountainous area
 - Developed a model to predict farmers' production behavior based on survey data and machine learning models
 - Conducted empirical research using the Difference-in-Differences (DID) method

Provincial Level Projects

1. **Major R&D Program, Hebei Province Science and Technology Department** (2019.9 - 2021.5)
 - Project Title: "Measurement and Monitoring of Agricultural Science and Technology Progress in Hebei Province"
 - **Key Achievements:**
 - Developed innovative Solow model application
 - Calculated agricultural factor output elasticity
 - Completed contribution rate assessment report for 2019-2020
 - Research findings adopted for policy making
2. **Fourth National Economic Census, Hebei Province Statistical Bureau** (2020.4 - 2020.8)
 - Project Title: "R&D Status and Productivity Measurement in Hebei Province"

- **Major Contributions:**
 - Constructed DEA-Malmquist efficiency evaluation system
 - Developed spatial econometric models using ArcGIS
 - Research report adopted by provincial statistical bureau

Other Research Projects

Hebei Province College Students' Social Survey Program (2020.4 - 2020.9)

- Project Title: "Agricultural Non-point Source Pollution and Green Productivity Research in Hebei Province"
- **Role:** Principal Investigator
- **Achievements:**
 - Led research design and implementation
 - Conducted comprehensive survey covering 168 counties
 - Research findings received provincial excellence award

Academic Honors

- China Scholarship Council (CSC) Scholarship, 2024-2025
- First-Class Doctoral Scholarship, Northwest A&F University, 2023-2024
- Outstanding Paper Award, National I/O and Big Data Research Conference
- First Prize, Hebei Provincial Economic Census Research

Professional Skills

- **Data Analysis:** Proficient in Python, R, ArcGIS, GeoDa
- **Research Tools:** Proficient in CNKI, Web of Science, EndNote, Stata, SPSS
- **Language:** CET-6 (507), Fluent in Academic English
- **Professional Certificates:**
 - Junior Accountant Qualification
 - Securities Practitioner Qualification
 - CPA (Passed 1 Subject)

Personal Interests

Sports enthusiast (Table Tennis, Badminton); Keen interest in technology and digital innovation