

# Zhige Wu

CONTACT INFORMATION	College of Economics and Management Central South University of Forestry & Technology 498 Shaoshan Rd South Changsha, Hunan, China 410004	Office: (86) 731-8557-9625 Email: <a href="mailto:wu_zhige@126.com">wu_zhige@126.com</a> Web: <a href="http://wu_zhige.github.io">wu_zhige.github.io</a> <a href="http://ideas.repec.org/f/pwu232.html">ideas.repec.org/f/pwu232.html</a>
EDUCATION	<b>University of Guelph</b> , Guelph, Ontario, Canada Ph.D., Economics, May 2015 <b>University of Calgary</b> , Calgary, Alberta, Canada M.A., Economics, June 2011 <b>Hunan University</b> , Changsha, Hunan, China M.A., International Economics, June 2009 <b>Beijing Institute of Petrochemical Technology</b> , Beijing, China B.A., International Economics & Trade, June 2006	
EMPLOYMENT	<b>Associate Professor (with tenure)</b> <b>College of Economics and Management</b> <b>Central South University of Forestry &amp; Technology</b> , Changsha, China	2023-present
	<b>Postdoctoral Fellow</b> <b>College of Economics</b> <b>Jinan University</b> , Guangzhou, China	2020-2022
	<b>Associate Professor (with tenure)</b> <b>Bangor College</b> <b>Central South University of Forestry &amp; Technology</b> , Changsha, China	2022-2023
	<b>Lecturer (tenure track)</b> <b>Bangor College</b> <b>Central South University of Forestry &amp; Technology</b> , Changsha, China	2015-2022
FIELDS OF INTEREST	Financial Economics, Energy Economics, Agricultural Economics, Applied Econometrics	
PUBLICATIONS IN ENGLISH	<ol style="list-style-type: none"><li>1. Li, D., <b>Wu, Z.</b>, &amp; Tang, Y. 2024. Do Climate Risks Affect Dirty-Clean Energy Stock Price Dynamic Correlations? <i>Energy Economics</i>, 136, 107713.</li><li>2. <b>Wu, Z.</b>, Weersink, A., &amp; Maynard, A. 2022. Fuel-feed-livestock Price Linkages under Structural Changes. <i>Applied Economics</i>, 54(2): 206-223.</li><li>3. <b>Wu, Z.</b>, Maynard, A., Weersink, A., &amp; Hailu, G. 2018. Asymmetric Spot-futures Price Adjustments in Grain Markets. <i>Journal of Futures Markets</i>, 38(12): 1549-1564.</li><li>4. <b>Wu, Z.</b>, Weersink, A., Maynard, A., Hailu, G., &amp; Vyn, R. 2017. The Impact of Local Ethanol Production on the Corn Basis in Ontario. <i>Canadian Journal of Agricultural Economics</i>, 65(3): 409-430.</li></ol>	

PUBLICATIONS IN  
CHINESE

1. **Wu, Z.**, Xie, J., & Huang, Z. 2024. Mechanism and Path of Integrative Development of Discipline Construction and Sino-foreign Cooperative Education in Local Universities based on Externality Theory. *Journal of Higher Education*, 10(26): 19-23.
2. **Wu, Z.**, Huang, Z., & Wu, R. 2024. Status Quo and Countermeasures of Sino-foreign Cooperative Education Institutions in Local Universities based on SWOT-PEST Matrix Model. *Journal of Higher Education*, 10(24): 1-7.
3. **Wu, Z.**, & Du, P. 2023. The Impact of Sino-foreign Cooperative Education Institutions on the Development of Parent Local Universities. *Modern Business Trade Industry*, 44(22): 46-48.
4. **Wu, Z.**, Liu, Y., Zhou, J., Liu, T., Luo, T., Yuan, Y. & Guo, H. 2022. Financial Bailout for the Chinese Small and Medium Sized Enterprises in the context of the COVID-19. *Modern Business Trade Industry*, 43(12): 1-4.
5. Cao, Y. & **Wu, Z.** 2022. Analysis of Tax Exemption Policies Applicable to Private Universities. *China Accounting Journal*, 2022-06-03.
6. **Wu, Z.**, Zhou, Z., & Zeng, W. 2022. Exploring Innovative Teaching Strategies of the Business Analytics Course. *Modern Business Trade Industry*, 43(10): 152-156.
7. **Wu, Z.**, Liu, H., & Jiang, H. 2022. Innovative Teaching Strategies of the Intermediate Econometrics Course - based on the Empirical Analysis Interface of R Language. *Modern Business Trade Industry*, 43(4): 148-150.
8. Liu, H. & **Wu, Z.** 2021. The Application of Blockchain Technology to Solve the Pain Points of Smart Agriculture. *Hubei Agricultural Sciences*, 60(20): 10-15.
9. **Wu, Z.**, Chen, Y., & Liu, Y. 2021. The Experimental Design of the Statistical Methods Course Teaching based on R Language. *Journal of Science and Education*, 2021(28): 110-114.
10. Wang, S. & **Wu, Z.** 2013. Intellectual Property Rights Protection and South-North Vertical Production Allocation. *Economic Survey*, 2013(5): 59-64.
11. Liu, Z., Li, L., Zhou, S., & **Wu, Z.** 2009. Relationships between FDI and International Trade. *Journal of Quantitative Economics*, 26(2): 59-64.

WORKING PAPERS

1. **Wu, Z.** & Jiang, H. Do Biofuel Commodities Strengthen the Price Co-movements between Crude Oil and Agricultural Markets?
2. **Wu, Z.** & Jiang, H. The Price Volatility Spillovers among Crude Oil, Biofuel, and Agricultural Markets.
3. **Wu, Z.** & Jiang, H. The Global-local Price Adjustments and Volatility Spillovers in Agricultural Markets.
4. Du, P., **Wu, Z.**, & Fu, Y. The Impact of Macroeconomic Uncertainty on Carbon Price Volatility in China.
5. **Wu, Z.** Weight Gain Owes to Heavier Pouch? Explore the Effects of Individual and State-level Income on BMI Index across U.S.
6. **Wu, Z.** The Effect of Financial Deepening on Economic Growth in China.
7. **Wu, Z.** Fuel, Feed, and Food Price Linkage in the Biofuel Era.
8. **Wu, Z.** The Political Economy of Agricultural Distortion in China, India, Japan, and Korea.
9. **Wu, Z.** The Price Connections of Exchange Rates in ASEAN Countries.

## GRANTS

1. Co-principal Investigator, Hunan Province Department of Education Key Grant, “The Operational Performance and Transition Effects of Carbon Market in China” (2024-2027, RMB 60,000).
2. Co-principal Investigator, Changsha Natural Science Grant, “Smart Transportation Governance under the ‘Dual Carbon’ Goal” (2024-2026, RMB 50,000).
3. Principal Investigator, Hunan Province Department of Education Grant, “Optimization and Teaching Innovation of Econometrics under the Background of Artificial Intelligence” (2024-2026, RMB 5,000).
4. Principal Investigator, Changsha Human & Social Science Grant, “The Matching Dilemma between Students Cultivation in Agricultural and Forestry Universities and the demand for rural revitalization” (2024-2025, RMB 10,000).
5. Principal Investigator, Hunan Province Department of Education Excellent Young Scientist Grant, “The Guiding Mechanism and Path of Carbon Financial Instruments for Directed Green Technical Change” (2023-2025, RMB 28,000).
6. Co-principal Investigator, China National Social Science Foundation Grant, “The Chain-driving Mechanism and Path for the Green Transformation and Upgrading of High Energy Consumption Manufacturing Industry under the ‘Dual Carbon’ Goal” (2022-2025, RMB 200,000).
7. Co-principal Investigator, Hunan Census Investigation Grant, “The Support Mechanism of Hunan Population on Industrial Development” (2022-2023, RMB 10,000).
8. Co-principal Investigator, Hunan Province Natural Science Foundation Grant, “Institutional Quality, Green Innovation, and High Quality Economic Development in Hunan: Mechanism, Effect, and Policy Research” (2022-2024, RMB 50,000).
9. Co-principal Investigator, Hunan Province Social Science Achievement Evaluation Committee Grant, “The Optimization of Manufacturing Industry Structure in Hunan Province Based on the Reconstruction of Global Industrial Chain” (2021-2023, RMB 30,000).
10. Principal Investigator, Hunan Province Department of Education Grant, “Research on the Innovative Talent Training Model of Integration of Industry, academia and research in the Banking and Finance Program from the Perspective of Sino-foreign Cooperative Education” (2019-2023, RMB 10,000).
11. Principal Investigator, Hunan Province Educational Science Planning Committee Grant, “The Mechanism and Path of the Integration and Development of Sino-foreign Cooperative Education in Local Universities from the Perspective of First-class Discipline Construction” (2019-2023, RMB 10,000).
12. Principal Investigator, Central South University of Forestry & Technology Education Grant, “Research on the Academic Innovative Ability Training Model of ‘Course+Project’ in Banking and Finance Program of Sino-foreign Cooperative Education” (2018-2020, RMB 5,000).
13. Principal Investigator, Central South University of Forestry & Technology Young Scientists Grant, “The Mechanism and Effects of Energy-Carbon Price Transmission in China” (2017-2022, RMB 30,000).
14. Co-principal Investigator, Hunan Province Department of Education Grant, “The Theory and Policy of Internationalization of Technological Innovation Networks in High Technology Industries” (2016-2021, RMB 40,000).

15. Research Associate, Ontario Ministry of Agricultural, Food & Rural Affairs Grant, “Policy Implications of a Transition to a Green Economy” (2012-2015, CAD \$30,000).
16. Research Associate, Ontario Ministry of Agricultural, Food & Rural Affairs Grant, “Identifying Successful Business Models, Strategies and Policies for Promoting the Canadian Bio-economy” (2011-2014, CAD \$40,000).

AWARDS AND HONORS	Central South University of Forestry & Technology	
	• Teaching Achievement Awards	2021-2022
	• Teaching Excellence in Online Education	2020-2021
	• Most Favorite Teacher Teaching Excellence	2015-2016
	University of Guelph	
	• University of Guelph Doctoral Fellowship	2011-2015
	• University of Guelph Entrance Scholarship	2012-2013
	• University of Guelph Teaching Assistantship	2011-2015
	• China Scholarship Council (CSC) Doctoral Fellowship	2011-2015
	University of Calgary	
TEACHING IN ENGLISH	• University of Calgary Teaching Assistantship	2009-2011
	Beijing Institute of Petrochemical Technology	
	• Outstanding Student Scholarship	2002-2006
	• Ministry of Education Student Assistantship	2005-2026
	• University Undergraduate Contest Scholarship	2005-2026
	Central South University of Forestry & Technology	
	• Intermediate Econometrics (Master in Applied Economics)	
	• Financial Econometrics (Master in Finance)	
	• International Finance (Master in Finance)	
	• Econometrics (Undergraduate)	
TEACHING IN CHINESE	• Corporate Risk Management (Undergraduate)	
	• Financial Risk Management (Undergraduate)	
	• Business Analytics (Undergraduate)	
	• Introduction to Economics (Undergraduate)	
	• Probability and Optimization (Undergraduate)	
	• Statistical Methods (Undergraduate)	
	• Introduction to Business Management (Undergraduate)	
	• Investment Banking (Undergraduate)	
	University of Guelph	
	• Futures and Options Markets (Undergraduate)	
	University of Calgary	
	• Introduction to Econometrics (Undergraduate)	
	Central South University of Forestry & Technology	
	• Statistics (Undergraduate)	
	• Statistical Experiment (Undergraduate)	
	• Financial Risk Management (Undergraduate)	
	• Reinsurance (Undergraduate)	
	• Insurance (Undergraduate)	
	• Frontier Topics in Insurance (Undergraduate)	
	• Literature Retrieval and Thesis Writing (Undergraduate)	
	• Mathematical Modeling with MATLAB (Undergraduate)	

	<ul style="list-style-type: none"> <li>• Principles of Database (Undergraduate)</li> <li>• Database Principles Experiment (Undergraduate)</li> <li>• Agricultural Product Market Analysis (Undergraduate)</li> </ul>	
RESEARCH PRESENTATIONS	<ul style="list-style-type: none"> <li>• Hunan Ecological Civilization Forum, Changde, China</li> <li>• Digital Economy and Sustainable Development Conference, Changsha, China</li> <li>• Green Development Think Tank Forum, Changsha, China</li> <li>• National and Regional (ASEAN) Research Summit, Nanning, China</li> <li>• International Energy Finance Annual Meeting, Qingdao, China</li> <li>• Mechanism Design and Economic Reform Forum, Changsha, China</li> <li>• North Eastern Asia Economics Research Network, Changsha, China</li> <li>• AAEA &amp; CAES Joint Annual Meeting, Washington DC, U.S.</li> <li>• Bioeconomy Research Highlights Conference, Guelph, Canada</li> <li>• CES Annual Conference, Beijing, China</li> <li>• CES Annual Conference, Changsha, China</li> </ul>	2024 2024 2022 2021 2020 2019 2017 2013 2013 2011 2007
GRADUATE ADVISING	Hao Liu (supervision), Hui Jiang (Supervision), Panting Du (supervision), Wanji Xie (Supervision), Xian Gan (Supervision), Huiting Wu (Supervision), Nike Huan (chair), Yuanhang Hu (chair), Tingting Liao, Jiali Zhou, Yuhui Wu (co-chair), Li Tao, Xianghui Su, Rou Li, Anastasiia, Rui Chen (co-chair), Yangbiao Fu, Ruimin Wang, Qingrui Zeng, Beibei Gu (co-supervision), Lan Cao, Guixia Chen, Longrong Chai (co-supervision), Min Yu (co-supervision)	
REFeree	Energy Economics(3); International Review of Financial Analysis; Environmental Impact Assessment Review (2); Agribusiness (2); Applied Economics (2); Journal of Economic Asymmetries (2); Economics Letters; Environmental & Resource Economics; Canadian Journal of Agricultural Economics; Modern Economy & Management.	
SERVICE	<ul style="list-style-type: none"> <li>• Expert, Forest Economy Expert Panel, Central South University of Forestry &amp; Technology (2024-present)</li> <li>• Vice-chair, Master of Insurance Program Entrance Exam Committee, College of Economics and Management, Central South University of Forestry &amp; Technology (2024-present)</li> <li>• Reviewer, Hunan Natural Science Foundation, Department of Science &amp; Technology of Hunan Province (2024-2028)</li> <li>• Expert, Hunan Smart Tourism Think Tank, Hunan Provincial Department of Culture &amp; Tourism (2024-2030)</li> <li>• Director, Changsha-Zhuzhou-Xiangtan Urban Agglomeration Research Association (2024-2028)</li> <li>• Forestry Technology Expert, Forestry Bureau of Changsha City (2024-2028)</li> <li>• Member, Undergraduate Studies Committee, College of Economics and Management, Central South University of Forestry &amp; Technology (2023-present)</li> <li>• Area Coordinator of Econometrics, College of Economics and Management, Central South University of Forestry &amp; Technology (2023-present)</li> <li>• Member, Hunan Internet Finance Research Association (2023-present)</li> <li>• Member, Graduate Entrance Exam Interview Committee, College of Economics and Management, Central South University of Forestry &amp; Technology (2019-2021)</li> <li>• Member, Advisory Committee, College of Economics and Management, Central South University of Forestry &amp; Technology (2018-present)</li> <li>• Member, Faculty Search Committee, Bangor College, Central South University of Forestry &amp; Technology (2016-2019)</li> <li>• Director, Finance &amp; Accounting Program, Bangor College, Central South University of Forestry &amp; Technology (2015-2023)</li> </ul>	

- Member, Teaching & Learning Committee, Bangor College, Central South University of Forestry & Technology (2015-2023)
- Member, Faculty-Student Liaison Committee, Bangor College, Central South University of Forestry & Technology (2015-2023)
- Member, Research Committee, College of Economics and Management, Central South University of Forestry & Technology (2015-present)

PROGRAMMING SKILLS Python, R, Matlab, Stata and L<sup>A</sup>T<sub>E</sub>X

REFERENCES Alfons Weersink

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& Resource Economics  
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