

# Tong Wu

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## EDUCATION

**Ph.D. candidate in Applied Economics and Management** 2019-present  
Cornell University, Ithaca, NY

**M.S. in Applied Economics and Management** August 2019  
Cornell University, Ithaca, NY  
M.S. Thesis Committee: Prof. C.-Y. Cynthia Lin Lawell (Chair) and Prof. David R. Just

**B.S. *magna cum laude* in Agricultural and Resource Economics** May 2017  
University of Maryland, College Park, MD  
Cumulative GPA: 3.94 out of 4.0

**B.S. in Agricultural Economics** May 2017  
China Agricultural University, Beijing, China  
Cumulative GPA: 3.89 out of 4.0  
Joint program with University of Maryland.

## FIELDS OF INTEREST

Natural resource economics

Forestry economics

Agricultural and applied economics

Environmental and energy economics

## HONORS AND AWARDS

Cornell TREESPEAR Research Grant (October 2022)

Cornell DEEP-GREEN-RADAR Research Grant (August 2022)

Cornell University Graduate School Conference Grant (August 2022)  
Cornell TREESPEAR Research Grant (June 2022)  
Cornell University Graduate School Conference Grant (May 2022)  
Cornell TREESPEAR Research Grant (June 2021)  
Cornell Dyson Graduate Teaching Assistant – Outstanding Service Award (2021)  
Cornell Dyson nominee, Agricultural and Applied Economics Association (AAEA)  
Outstanding Master’s Thesis Award (2020)  
Alpha Lambda Delta Honor Society (2017)  
Ray A. Murray Merit Scholarship (2016)

## **PUBLICATIONS**

Barrett, Christopher B., Kate Ghezzi-Kopel, John Hoddinott, Nima Homami, Elizabeth Tennant, Joanna Upton and Tong Wu. (2021). A scoping review of the development resilience literature: Theory, methods and evidence. World Development, 146, 105612.

Wu, Tong. (2019). Optimal Moso Bamboo Forest Management: A Dynamic Model. M.S. Thesis, Cornell University.

## **WORKING PAPERS**

Wu, Tong, C.-Y. Cynthia Lin Lawell, Jiancheng Zhao, Zhangjun Fei, David R. Just, and Qiang Wei. (2022). Optimal forest management for interdependent products: A nested dynamic bioeconomic model and application to bamboo . Working paper, Cornell University.

## **PRESENTATIONS**

“Optimal Forest Management for Interdependent Products: A Nested Dynamic Bioeconomic Model and Application to Bamboo”. Agricultural & Applied Economics Association (AAEA) Annual Meeting. Anaheim, CA. August 2022.

“Optimal Forest Management for Interdependent Products: A Nested Dynamic Bioeconomic Model and Application to Bamboo”. Association of Environmental and Resource Economists (AERE) session at the Western Economic Association International (WEAI) Annual Conference. Portland, OR. July 2022.

“Optimal Forest Management for Interdependent Products: A Nested Dynamic Bioeconomic Model and Application to Bamboo”. Northeastern Agricultural and Resource Economics Association (NAREA) Annual Meeting. Mystic, CT. June 2022.

“Agricultural-to-Energy Land Use Transitions: A FEW System”. Resources and Sustainability: Deep Dive. 2022 INFEWS PI Workshop. Princeton University. February 2022.

“Optimal Forest Management for Interdependent Products: A Nested Dynamic Bioeconomic Model and Application to Bamboo”. Sustainable Environment Energy and Resource Economics (SEERE) seminar. Cornell University. February 2022.

“Optimal Forest Management for Interdependent Products: A Nested Dynamic Bioeconomic Model and Application to Bamboo”. Applied Economics and Management 2<sup>nd</sup>-year Ph.D. presentation. Cornell University. May 2021.

“Optimal Moso Bamboo Forest Management: A Dynamic Model”. Applied Economics and Management 2<sup>nd</sup>-year Ph.D. presentation. Cornell University. February 2021.

“Optimal Moso Bamboo Forest Management: A Dynamic Model”. Forests & Livelihoods: Assessment, Research, and Engagement (FLARE). University of Michigan at Ann Arbor. August 2019.

## RESEARCH EXPERIENCE

**Cornell University TREESPEAR** May 2018-present

Think-tank for Resources, Energy, and the Environment:

Science and Policy-related Economic Analysis and Research (TREESPEAR)

Graduate Research Associate

*Advisor:* Professor C.-Y. Cynthia Lin Lawell

**Cornell University DEEP-GREEN-RADAR** Sep. 2021-present

Dynamics, Economics, Econometrics, Policy, and Games:

Rigorous Environmental, Energy, Natural Resource, Agriculture, and Development Analysis and Research (DEEP-GREEN-RADAR)

Graduate Research Associate

*Advisor:* Professor C.-Y. Cynthia Lin Lawell

**Research Assistant for Professor Christopher B. Barrett, Cornell** Sep. 2018-present

- Review the resilience literature identified by the scoping search using Covidence.
- Apply inclusion / exclusion criteria to categories.
- Tag, deduplicate, and summarize findings using Zotero.

**Student Information Assistant, Ithaca, NY** Nov. 2017-present

- Assist researchers on their research questions.
- Respond to questions on database, works cites, access to articles, etc.

**Editor, Farmers' Daily, Beijing, China**

June-July 2016

- Interview agricultural producers in Shanxi province.
- Generate news articles based on interviews and research.
- Publish news articles as second or third writer
- Attend conference held by Ministry of Agriculture of the PRC.

**TEACHING EXPERIENCE**

AEM4515 / AEM 5515 / ECON 3870: Business and Economics of Energy      Fall 2022  
Teaching Assistant for Professor Todd Gerarden  
Cornell University

AEM 4500 / ECON 3860: Resource Economics      Spring 2021  
Teaching Assistant for Professor C.-Y. Cynthia Lin Lawell  
Cornell University  
*Teaching evaluations overall rating: 4.91 out of 5.0*

AEM 2220: Foundational Perspectives and Contemporary Issues in Entrepreneurship      Spring 2022  
Teaching Assistant for Professor Robert Karpman  
Cornell University

AEM 3310: Introduction to Business Regulation      Fall 2020, Fall 2021  
Teaching Assistant for Professor Robert Karpman  
Cornell University

Guest Lecture on Effects of Entrepreneurship on Economy      March 2022  
AEM 2220: Foundational Perspectives and Contemporary Issues in Entrepreneurship  
Cornell University

Guest Lecture on Women and Minorities in Entrepreneurship - A Case Study in Venture Capitalists      April 2022  
AEM 2220: Foundational Perspectives and Contemporary Issues in Entrepreneurship  
Cornell University

Guest Lecture Introduction to Energy Regulation in the United States      November 2021  
AEM 3310: Introduction to Business Regulation  
Cornell University

## **SERVICE**

Vice-President, Applied Economics and Management (AEM) Graduate Student Association,  
Cornell University (2019 – 2022)

## **MEDIA CITATIONS**

“Tong Wu presented at NAREA, AERE@WEAI, and AAEA”. Cornell University Think-tank  
for Resources, Energy, and the Environment: Science and Policy-related Economic  
Analysis and Research (TREESPEAR). August 2022. URL:  
[https://treespear.dyson.cornell.edu/tong\\_wu\\_news\\_NAREA\\_AERE-WEAI\\_AAEA.html](https://treespear.dyson.cornell.edu/tong_wu_news_NAREA_AERE-WEAI_AAEA.html)

## **SKILLS**

Proficient in Microsoft Excel, Word, PowerPoint, MATLAB, R, STATA, Zotero.