

## CURRICULUM VITAE

**Xiaoli Fan**

545 General Service Building  
Department of Resource Economics and Environmental Sociology  
University of Alberta,  
Edmonton, AB Canada T6G 2H1

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[Department Profile](#)  
[Google Scholar](#)

### EDUCATION

2012-2017      Ph.D. Applied Economics and Management, Cornell University  
2007-2009      M.S. International Economics, Wuhan University, China  
2003-2007      B.A. International Economics and Trade, Wuhan University, China

### RESEARCH INTERESTS

Agricultural Economics, Agrifood Value Chain, Sustainable Agrifood Systems, Consumer and Producer Behaviour, Bioeconomic Modelling.

### EMPLOYMENT

2024/7-            Associate Professor  
                     Department of Resource Economics and Environmental Sociology (REES)  
                     Faculty of Agricultural, Life & Environmental Sciences (ALES)  
                     University of Alberta  
  
2017/8-2024/6   Assistant Professor, REES, ALES, University of Alberta  
  
2018/6-2018/12 Maternity and parental leave, REES, ALES, University of Alberta  
  
2009-2012        Program Officer  
                     Department of International Cooperation  
                     Chinese Academy of Agricultural Sciences (CAAS)

### HIGHLIGHTED PROFESSIONAL ACTIVITIES

2024-2027        Associate Editor, *Agribusiness: An International Journal*  
2021-2024        Councillor, Canadian Agricultural Economics Society (CAES)  
2017-              Editorial Board, *Canadian Journal of Agricultural Economics* (CJAE)

### AWARDS

2019-2020        Teachers of the Year, ALES, University of Alberta  
2018                Teaching Excellence Awards, Delta Chi Alberta  
2017                Second Place, George F. Warren Award, Cornell University

## TEACHING

- AREC 333: Economics of Production and Resource Management  
(Instructor, Undergraduate level, University of Alberta, 2019-2024)
- AREC 502: Advanced Price Analysis (Graduate)  
(Instructor, Graduate level, University of Alberta, 2022-2024)
- AREC 484: Strategic Management in Food and Resource Businesses (Undergraduate)  
(Instructor, Undergraduate level, University of Alberta, 2025, 2020-2022, 2018)
- AREC 569: Advanced Topics in Natural Resource and Environmental Economics (Graduate)  
(Instructor, Graduate level, University of Alberta, 2022, 2021)
- PL SC 100: Plants in our Lives  
(Guest lecturer, University of Alberta, 2023-2024)
- Certificate Course in COVID-19 and the Economics of World Food and Agriculture  
(Guest lecturer, University of Alberta, 2020)
- EREC 708: Environmental Economics  
(Guest lecturer, University of New Hampshire, 2022)

## PUBLICATIONS

(Underlined names indicate HQP-Highly Qualified Personnel; \* indicates corresponding author)

### A. Refereed Journal Articles

1. Niels, G. Mede\*, Viktoria Cologna, Ellen Goddard, **Xiaoli Fan**, et al. "Perceptions of science, science communication, and climate change attitudes in 67 countries – the TISP dataset." *Forthcoming (Nature Scientific Data)*.
2. Cologna, Viktoria\*, G. Mede Niels, Ellen Goddard, **Xiaoli Fan**, et al. "Trust in Scientists and Their Role in Society: A Global Assessment." *Forthcoming (Nature Human Behaviour)*.
3. Wang, Huanhuan, **Xiaoli Fan\***, Junjie Guo, Qilan Zhao, and Zixuan Dai. 2024. "Towards Sustainable Beef: The Role of Altruistic Preferences in the Value Chain Transformation." *Food Policy*, 127, p. 102687. Available at: <https://doi.org/10.1016/j.foodpol.2024.102687>.
4. Wang, Huanhuan, **Xiaoli Fan\***, Qilan Zhao, and Pengfei Cui. 2023. "Emissions Reduction Strategy in a Three-Stage Agrifood Value Chain: A Dynamic Differential Game Approach." *PLOS ONE* 18 (11): e0294472. <https://doi.org/10.1371/journal.pone.0294472>.
5. Enesi, Rebecca Oiza\*, Miles Dyck, Scott Chang, Malinda Thilakarathna, **Xiaoli Fan**, Stephen Strelkov, and Linda Gorim\*. 2023. "Liming Remediates Soil Acidity and Improves Crop Yield and Profitability - a Meta Analysis." *Frontiers in Agronomy* 5 (38). <https://doi.org/10.3389/fagro.2023.1194896>.
6. Muringai, Violet, **Xiaoli Fan\***, and Ellen Goddard. 2020. "Canadian Consumer Acceptance of Gene-Edited Versus Genetically Modified Potatoes: A Choice Experiment Approach." *Canadian Journal of Agricultural Economics/Revue Canadienne d'agroeconomie* 68 (1): 47–63. <https://doi.org/10.1111/cjag.12221>.

7. **Fan, Xiaoli\***, Miguel I. Gómez, Shady S. Atallah, and Jon M. Conrad. 2020. "A Bayesian State-Space Approach for Invasive Species Management: The Case of Spotted Wing *Drosophila*." *American Journal of Agricultural Economics* 102 (4): 1227–44. <https://doi.org/10.1002/ajae.12028>.
8. Yeh, D. Adeline\*, Francis A. Drummond, Miguel I. Gómez, and **Xiaoli Fan**. 2020. "The Economic Impacts and Management of Spotted Wing *Drosophila* (*Drosophila Suzukii*): The Case of Wild Blueberries in Maine." *Journal of Economic Entomology* 113 (3): 1262–69. <https://doi.org/10.1093/jee/toz360>.
9. **Fan, Xiaoli\***, Miguel I. Gómez, and Phillip S. Coles. 2019. "Willingness to Pay, Quality Perception, and Local Foods: The Case of Broccoli." *Agricultural and Resource Economics Review* 48 (3): 414–32. <https://doi.org/10.1017/age.2019.21>. **[Featured Article]**
10. Hong, Yeon A.\*, R. Karina Gallardo, **Xiaoli Fan**, Shady Atallah, and Miguel I. Gómez. 2019. "Phytosanitary Regulation of Washington Apple Producers under an Apple Maggot Quarantine Program." *Journal of Agricultural and Resource Economics* 44 (3): 646–63. <https://doi.org/10.22004/ag.econ.292336>.
11. Lee, Deishin, Erkut Sönmez, Miguel I. Gómez\*, and **Xiaoli Fan**. 2017. "Combining Two Wrongs to Make Two Rights: Mitigating Food Insecurity and Food Waste Through Gleaning Operations." *Food Policy* 68 (April): 40–52. <https://doi.org/10.1016/j.foodpol.2016.12.004>.
12. Sönmez, Erkut\*, Deishin Lee, Miguel I. Gómez, and **Xiaoli Fan**. 2016. "Improving Food Bank Gleaning Operations: An Application in New York State." *American Journal of Agricultural Economics* 98 (2): 549–63. <https://doi.org/10.1093/ajae/aav069>.

## B. Other Publications

13. Rodriguez, Mauricio Soria, Adeline D. Yeh, **Xiaoli Fan**, and Catharine Weber. 2023. "Mapping Potato Exports in North America." *Situation and Outlook Report*. U.S. Department of Agriculture, Economic Research Service. <https://www.ers.usda.gov/publications/pub-details/?pubid=106432>.
14. Sönmez, Erkut, Deishin Lee, Miguel I. Gómez, **Xiaoli Fan**, Laurie Caldwell, Natasha R. Thompson, and Melissa Knowles. 2016. "There for the Picking: Stochastic Optimization Modeling Can Help Volunteers Glean More for Food Banks." *Industrial and Systems Engineering at Work* 48 (8). <https://www.iise.org/ISEmagazine/Details.aspx?id=42080>.

## WORK IN PROGRESS

(Underlined names indicate HQP; \* indicates corresponding author)

1. Wang, Huanhuan, Feng Qiu\*, **Xiaoli Fan**, Yanan Zheng, and Mauricio Soria Rodriguez. "Economic Viability-Driven Biorefinery Site Selection for Cellulosic Biofuel Production in Western Canada." *Under Review (Biosystems Engineering)*.
2. Jiansong, Xu\*, **Xiaoli Fan**, and Brent Swallow. "The Role of Carbon Pricing in Food Inflation: Evidence from Canadian Provinces." *In Submission*.

3. Yeh, Adeline D., Mauricio Soria Rodriguez, **Xiaoli Fan**, and Catharine Weber. "North American Potato Industry Trend Report." Economic Research Report, U.S. Department of Agriculture, Economic Research Service. *In Submission*.
4. Chen, Yunxuan, **Xiaoli Fan**<sup>\*</sup>, Ellen Goddard, and Shady S. Atallah. "Cost-Effectiveness of Antimicrobial Use Strategies in Beef Feedlots: Mass Medications versus Individual Animal Treatment." *In Submission (Agricultural Systems)*.
5. Xiaodi, Zhang, and **Xiaoli Fan**. "Impacts of Carbon Policies and Uncertainty Shocks on Canadian Beef Supply Chain: A DSGE Model Approach." *In Preparation*.
6. Jiansong, Xu, Scott Jeffrey, and **Xiaoli Fan**. "A Systematic Review of Marginal Abatement Cost Curve of GHG Emissions Reduction in Cow-Calf Beef Production." *In Preparation*.
7. Olufemi, Michael, **Xiaoli Fan**, Henry An, and Simon Otto. "Canadian Consumer Preferences for Beef Products from Animals Raised under Different Antibiotic Use Practices." *In Preparation*.
8. Rachel Yin, **Xiaoli Fan**, and Bruno Wichmann. "Impact of Social Networks on Canadian Household Energy Behavior: An Agent-Based Model." *In Preparation*.

## RESEARCH GRANTS

### A. Principal Investigator (OR Lead of Economics Research in Multidisciplinary Grants)

1. 2024/03-2027/02. Alberta Land Institute (ALI). **Xiaoli Fan (PI)**, Emma Stephens (Co-I), Roland Kroebe (Co-I). "Bio-economic Modeling of the Sustainability and Profitability of Beef Production Systems for Better Informed Policy and Decision-Making." (\$146,000)
2. 2020/04-2023/09. Canada First Research Excellence Fund (CFREF), Future Energy Systems. **Xiaoli Fan (PI)**. "Agent-Based Modeling of Energy Transition Toward Future Energy Systems." (\$50,000)
3. 2019/12-2020/3. University of Alberta, SIG (SSHRC Institutional Grant). **Xiaoli Fan (PI)**. "The Economic Impact of Restrictions on Antimicrobial Use in Food Animal Production on Canadian Livestock Industry." (\$7,000)
4. 2018/05-2019/10. University of Alberta, Killam Research Fund Cornerstones Grant Program. **Xiaoli Fan (PI)**. "A Bioeconomic Model of Mountain Pine Beetle Control." (\$37,600)
5. 2018/05-2018/09. University of Alberta, Support for the Advancement of Scholarship (SAS). **Xiaoli Fan (PI)**. "Consumer Acceptance of GM Potatoes in Canada." (\$2,672)
6. 2018/02-2019/01. Agriculture & Agrifood Canada (AAFC). **Xiaoli Fan (PI)**. "Effect of Information on Consumer Acceptance of Genetically Modified Potatoes in Canada." (\$24,955)
7. 2017/08-2027/08. University of Alberta, Startup Grant. (\$50,000)

### B. Lead of Economics Research in Large Scale Multidisciplinary Grants

8. 2024/05-2028/05. NSERC-SSHRC Sustainable Agriculture Research Initiative (SARI). John Basarab (PI), **Xiaoli Fan (Co-I)**, and many others. "Reducing greenhouse gas emissions

from the Canadian beef industry through the development and adoption of genomic tools.”  
(Project total: \$3.8 million; Portion to Fan: \$199,000)

9. 2023/10-2027/09. Genome Canada, Climate-Smart Agriculture and Food Systems - Interdisciplinary Challenge Teams (CSAFS-ICT). James Cahill (Project Lead), Carolyn Fitzsimmons (Project Lead), **Xiaoli Fan (Co-I)**, Brent Swallow (Co-I), and many others. “Combining Omic Technology and Grassland Management to Enhance Soil Carbon Sequestration and Reduce Greenhouse Gas Emissions.” (Project total: \$6.1 million; Portion to Fan: \$243,263)
10. 2023/01-2024/12. Agriculture Funding Consortium, CAP Adapting Innovative Solutions in Agriculture Program. Akim Omokanye (PI), **Xiaoli Fan (Co-I)**, and many others. “The Forage Production and Quality Potential, and Ecosystem Functions of Perennial Forage Mixes.” (Project total: \$65,780; Portion to Fan: \$16,410)
11. 2022/04-2025/12. RDAR (Results Driven Agriculture Research), Accelerating Agricultural Innovations. Akim Omokanye (PI), **Xiaoli Fan (Co-I)**, and many others. “Evaluation of the Ecosystem Services and Profitability of Perennial Grain Crops for Integrated Grain and Forage Production in Alberta.” (Project total: \$834,033; Portion to Fan: \$12,258)
12. 2022/01-2022/12. RDAR (Results Driven Agriculture Research), Accelerating Agricultural Innovations. Graham Plastow (PI) and **Xiaoli Fan (Co-I)**. “A New Multidisciplinary Initiative to Apply Genomics to Reduce the Incidence of BRD and Antimicrobial Use in Western Canadian Beef Production.” (Project total: \$363,000; Portion to Fan: \$46,000)
13. 2019/10-2025/03. Genome Canada, Large-Scale Applied Research Project (LSARP). Cheryl Waldner (Project Lead), Simon Otto (Project Lead), **Xiaoli Fan (Co-I)**, Henry An (Co-I), and many others. “Genomic ASSETS (Antimicrobial Stewardship Systems from Evidence-based Treatment Strategies) for Livestock.” (Project total: \$5.6 million; Portion to Fan: \$73,667)

### C. Co-Investigator and Collaborator

14. 2024/05-2028/05. NSERC-SSHRC Sustainable Agriculture Research Initiative (SARI). Brandon Heung (PI), **Xiaoli Fan (Co-I)**, Feng Qiu (Co-I), and many others. “The Canadian Soil Data Portal - Transforming Canada’s Soil Data Infrastructure to Facilitate GHG Reductions and Climate Change Mitigation.” (Project total: \$6.9 million)
15. 2024/05-2028/05. NSERC-SSHRC Sustainable Agriculture Research Initiative (SARI). Leluo Guan (PI), Henry An (Co-I), **Xiaoli Fan (Collaborator)**, and many others. “Novel and Adaptive Rumen Microbiome targeted solutions for GHG mitigation in cattle.” (Project total: \$7.9 million)
16. 2024/03-2027/02. Social Sciences and Humanities Research Council of Canada (SSHRC) New Frontiers in Research Fund – International (NFRF-I). Brenda Parlee (PI), **Xiaoli Fan (Co-I)**, and many others. “Confronting ‘Green Colonialism’ - Indigenous and Local Community-Led Action and Solutions for Food-Water-Land Security.” (Project total: \$1.5 million)
17. 2024/04-2026/03. RDAR (Results Driven Agriculture Research), Accelerating Agricultural Innovations. Linda Gorim (PI), Xiaoli Fan (Co-I), and many others. “Exploring the Agronomic and Soil Health Benefits of Liming in the Prairies - II.” (Project total: \$384,330).

18. 2024/03-2025/02. Social Sciences and Humanities Research Council of Canada (SSHRC) Partnership Engage Grant. Minfeng Tang (PI), Guillaume Lhermie (Co-I), **Xiaoli Fan (Co-I)**, John Remnant (Co-I). "Assessing the Value of Veterinary Telemedicine Services and Albertan Cattle Producer Willingness to Pay" (Project total: \$24,900)
19. 2023/06-2023/11. NSERC-SSHRC Sustainable Agriculture Research Initiative (SARI) - Preparatory funds for sustainable agriculture. Richard Uhrig (PI), Miles Dyck (Co-I), **Xiaoli Fan (Co-I)**, and Linda Gorim (Co-I). "Toward net-zero canola production through development of molecular and agronomic technologies to improve nitrogen use efficiency and reduce greenhouse gas emissions." (Project total: \$35,000)
20. 2023/06-2023/11. NSERC-SSHRC Sustainable Agriculture Research Initiative (SARI) - Preparatory funds for sustainable agriculture. Zhanle Wang (PI), Feng Qiu (Co-I), **Xiaoli Fan (Co-I)**, Henry An (Co-I), and many others. "Sustainable, Profitable and Net-zero Controlled Environment Agriculture (SPAN-CEA)." (Project total: \$35,000)
21. 2023/04-2027/03. Alberta Beef Producer. Agricultural Climate Solutions – Living Labs. Scott Jeffrey (PI) and **Xiaoli Fan (Co-I)**. "Evaluation of Marginal Abatement Costs for BMPs in Beef, Forage and Cropping Systems to Sequester C or Mitigate GHG Emissions in Alberta." (Project total: \$98,000)
22. 2023/04-2026/03. Natural Sciences and Engineering Research Council of Canada (NSERC) Alliance Grants, Missions – Anthropogenic greenhouse gas research. Chandra Madramootoo (PI), Brent Swallow (Co-I), **Xiaoli Fan (Co-I)**, and Viacheslav Adamchuk (Co-I). "Measuring Methane Emissions from Cattle Feedlots to Improve Policies for Achieving Net Zero Emissions by 2050." (Project total: \$867,894)
23. 2022/09-2027/08. Government of Saskatchewan, 2021 Strategic Research Initiative (SRI). Cameron Carlyle (Project Lead), Angela Bedard-Haughn (Project Lead), Scott Jeffrey (Co-I), **Xiaoli Fan (Co-I)**, and many others. "Carbon Sequestration Under Pasture and Forage Resources." (Project total: \$3.1 million)
24. 2022/05-2024/04. RDAR (Results Driven Agriculture Research), Accelerating Agricultural Innovations. Linda Gorim (PI), **Xiaoli Fan (Co-I)**, and many others. "Exploring the Agronomic and Soil Health Benefits of Liming in the Prairies - I." (Project total: \$277,772).
25. 2019/07-2024/06. Alberta Government, Major Innovation Fund. Herman Barkema (Project Lead), Ellen Goddard (Working Package PI), **Xiaoli Fan (Co-I)**, and many others. "Antimicrobial Resistance – One Health Consortium." (Project total: \$6.3 million)

## STUDENT/HQP SUPERVISION

(Fan as sole supervisor unless otherwise indicated; HQP: High Quality Personnel)

### In Progress

1. 2024/09-Present. Postdoc. **Mohammed Beroud**.
2. 2024/08-Present. Postdoc. **Huan Chen**.
3. 2024/07-Present. Postdoc. **Minfeng Tang**.
4. 2024/09-Present. Ph.D. **Edmund Adorkor**. Co-supervisor (with Scott Jeffrey).

5. 2023/05-Present. Ph.D. **Jiansong Xu**. Co-supervisor (with Brent Swallow).
6. 2024/09-Present. M.Sc. **Justilove Comfort Entsuah**. Co-supervisor (with Feng Qiu).
7. 2023/09-Present. M.Sc. **Matilda Armoo**. Co-supervisor (with Scott Jeffrey).
8. 2023/06-Present. M.Sc. **Joren Johnson**. Co-supervisor (with Brent Swallow).
9. 2024/05-2024/12. Undergraduate. **Rachel Yin**.
10. 2024/04-2025/02. Research Assistant. **Espartaco Gonzalez Arteaga**.
11. 2024/12-2025/12. Visiting Scholar. **Xiaodi Zhang**.
12. 2024/11-2024/12. Visiting Ph.D. Student. **Emirjona Kërtolli**.

#### **Finished – Master Students**

13. 2022/05-2024/09. Thesis-based. **Michael Olufemi**.
14. 2022/05-2022/08. Course-based. **Mauricio Soria Rodriguez**.
15. 2019/05-2021/08. Thesis-based (Withdrawn). **Dennis Gray**.
16. 2019/05-2021/01. Thesis-based. **Yunxuan Chen**.

#### **Finished – Undergraduate Research Assistants**

17. 2018/05-2018/08. **Qi Shao**.
18. 2018/05-2018/08. **Wenxi Sun**.

#### **Finished – Research Assistants / Associates**

19. 2024/05-2024/08. Research Assistant. **Roger Bryan**.
20. 2022/09-2023/09. Research Assistant. **Mauricio Soria Rodriguez**.

#### **Finished – Visiting Scholars**

21. 2022/11-2023/11. Visiting Ph.D. Student. **Huanhuan Wang**.
22. 2022/07-2023/07. Visiting Ph.D. Student. **Huan Chen**.
23. 2019/09-2020/08. Visiting Ph.D. Student. **Yangmei Zeng**.

#### **SUPERVISORY COMMITTEE MEMBER**

1. 2024/09-Present. M.Sc. **Julia Poissant** (Supervisor: Brent Swallow)
2. 2019/10-2024/12. Ph.D. **Muhammad Jawad Khan**. (Supervisor: John Halstead)
3. 2021/06-2024/07. Ph.D. **Jerico Fiestas Flores**. (Supervisor: Vic Adamowicz)
4. 2019/09-2021/05. Thesis-based Master. **Chenxi Liu**. (Supervisor: Scott Jeffrey)

## **GRADUATE EXAMINATION**

- 2024. Chuqiang Wu. MSc Thesis Exam. Arm's Length Examiner.
- 2024. Innocent Katulunga. MSc Thesis Exam. Exam Committee Chair.
- 2023. Christy Marie Alsado. Ph.D. Candidacy Exam. Arm's Length Examiner.
- 2023. Manori Nimanthika Lokuge Dona. Ph.D. Candidacy Exam. Exam Committee Chair.
- 2023. Vaibhav Magawat. MSc Thesis Exam. Exam Committee Member.
- 2022. Yu Feng. MSc Thesis Exam. Exam Committee Chair.
- 2021. Jiwon Kim. MSc Thesis Exam. Exam Committee Chair.
- 2021. Wenbei Zhang. MSc Thesis Exam. Exam Committee Chair.
- 2021. Marina Malzoni. MSc Thesis Exam. Exam Committee Chair.
- 2020. David Garrett. Ph.D. Candidacy Exam. Arm's Length Examiner.
- 2020. Curtis McKnight. MSc Thesis Exam. Exam Committee Chair.
- 2020. Ziwei Hu. MSc Thesis Exam. Arm's Length Examiner.
- 2019. Yicong Luo. MSc Thesis Exam. Arm's Length Examiner.
- 2018. Stephanie Le. MSc Thesis Exam. Arm's Length Examiner.

## **SERVICE**

### **A. Department of Resource Economics and Environmental Sociology (REES)**

- Member, Nomination Committee (2024/25)
- Member, Teaching Policy Committee (2022/23)
- Member, EDI Committee (2022/23)
- Chair, Awards Committee (2021/22; 2023/24)
- Member, Awards Committee (2017/18-2020/21)
- Prelim Exam (Economic Theory and Applications) Committee (2021, 2022, 2024)
- Prelim Exam (Resource Economics) Committee (2020, 2023)
- Agricultural Economics Prelim Exam Committee (2022)
- Judge, 3 Minutes Thesis Competition (2019)

### **B. Faculty of Agriculture, Life & Environmental Sciences (ALES)**

- Member, Agriculture and Animal Health Program Committee (2021-2025)
- Member, Environmental and Conservation Sciences Program Review Committee (2019-2020)



- Member, Agriculture and Food Business Management Program Committee (2017-2019)

### **C. Canadian Agricultural Economics Society (CAES)**

- Judge, CAES Graduate Paper Competition (2024)
- Chair, CAES Annual Meeting Program Committee (2024)
- Chair, CAES Awards Committee (2023)
- Member, CAES Awards Committee (2022; 2024)
- Organizer, Session: “Agent-Based Modelling for Agricultural Policy Decision-Making.” The 13th Annual CAES-SCAE Canadian Agrifood Policy Conference. (2023/01)
- Reviewer, CAES Outstanding Ph.D. Thesis Award (2020)
- Reviewer, CAES Outstanding Master’s Thesis Award (2021)

### **D. Journal Article Review**

- 2024. Agribusiness: An International Journal; American Journal of Agricultural Economics (AJAE); Canadian Journal of Agricultural Economics (CJAE); AAEA Conference Abstracts.
- 2023. Canadian Journal of Agricultural Economics (CJAE); Pest Management Science; The Lancet Planetary Health; PLOS Climate; Food Policy; Agricultural Economics (AE); CAES/WAEA Conference Abstracts; AAEA Conference Abstracts.
- 2022. Food Policy; Agricultural Economics; Economic Bulletin; European Review of Agricultural Economics (ERAE); Journal of the Agricultural and Applied Economics Association (JAAEA); Journal of Agricultural and Resource Economics (JARE).
- 2021. Agribusiness: An International Journal; British Food Journal; COM 2021 Corrosion Symposium; Journal of Agribusiness in Developing and Emerging Economies (JADEE).
- 2020. AAEA Conference Abstracts. American Journal of Agricultural Economics (AJAE); Journal of Economic Entomology; Food Policy; International Food and Agribusiness Management Review (IFAMR); Pest Management Science.
- 2019. American Journal of Agricultural Economics (AJAE).

## **PRESENTATIONS**

(Underlined names indicate HQP; \* indicates presenter)

### **A. Invited Presentations**

- 2024/01 Huanhuan Wang, Xiaoli Fan\*. “Towards Sustainable Beef: The Role of Altruistic Preference in the Value Chain Transformation.” *The 14th Annual Canadian Agricultural Economics Society (CAES-SCAE) Canadian Agri-food Policy Conference*, Ottawa, ON, Canada.

- 2023/03 Xiaoli Fan\*. “Cost-Effectiveness of Bovine Respiratory Disease Management Strategies in Beef Feedlot: An Agent-Based Model.” *Data Analytics and Community Monthly Meeting*, Virtual Seminar, Agriculture and Agri-Food Canada (AAFC), Ottawa, ON, Canada.
- 2023/01 Xiaoli Fan\*. “Cost-Effectiveness of Bovine Respiratory Disease Management Strategies in Beef Feedlot: An Agent-Based Model.” *The 13th Annual Canadian Agricultural Economics Society (CAES-SCAE) Canadian Agri-food Policy Conference*, Ottawa, ON, Canada.
- 2022/01 Xiaoli Fan\*. “Bioeconomic Models Applied to Agricultural Pest and Disease Management.” *Workshop on Modelling in Forestry and Agriculture*, Virtual Workshop, Career & Innovation Hub, Banff International Research Station, Calgary, AB, Canada.
- 2021/10 Yunxuan Chen, Xiaoli Fan\*, Ellen Goddard, Shady Atallah. “Cost-Effectiveness of Mass Drug Administration and Evidence-Based Antimicrobial Use Strategies in Food Animals.” *Department of Applied Economics and Statistics Seminar Series*, Virtual Seminar, University of Delaware, DE, United States.
- 2021/06 Yunxuan Chen, Xiaoli Fan\*, Ellen Goddard, Shady Atallah. “The Economic Impact of Alternative Antimicrobial Use Strategies in Western Canadian Beef Feedlots: An Agent-based Model.” *The Online Agricultural and Resource Economics Seminars (#OARES)*, Virtual Seminar.
- 2018/10 Violet Muringai, Xiaoli Fan\*, Ellen Goddard. “Effect of Information on Consumer Acceptance of Genetically Modified Potatoes in Canada.” *2018 Canadian Agricultural Policy Research Network Research Workshop*, Agriculture and Agri-Food Canada (AAFC), Ottawa, ON, Canada.
- 2018/03 Xiaoli Fan\*. “A Bayesian State-Space Approach for Invasive Species Management: The Case of Spotted Wing Drosophila.” *Renewable Resources Seminar Series*, University of Alberta, Edmonton, AB, Canada.

## B. Refereed Academic Conference Presentations

- 2025/01 Xiaodi Zhang, and Xiaoli Fan. “Impacts of Carbon Policies and Uncertainty Shocks on Canadian Beef Supply Chain: A DSGE Model Approach.” *2025 (American Economic Association-Allied Social Science Associations) AEA-ASSA Meeting, the North American Regional Science Council (NARSC) Session*, San Francisco, CA, United States.
- 2024/07 Michael Olufemi\*, Xiaoli Fan, Henry An, Simon Otto. “Canadian Consumer Preference and Willingness to Pay for Beef Raised under Different Antimicrobial Use Practices.” *2024 Canadian Agricultural Economics Society (CAES/SCAE) Meeting (Selected Paper Session)*, Winnipeg, MB, Canada.
- 2023/07 Huan Chen\*, Xiaoli Fan, Yuehua Zhang. “Driving factors of antimicrobial use in pig farms in China.” *2023 Agricultural & Applied Economics Association (AAEA) Annual Meeting (Selected Paper Presentation)*, DC, United States.
- 2023/07 Michael Olufemi\*, Xiaoli Fan, Henry An, Simon Otto. “Canadian Consumer Preference and Willingness to Pay for Beef Raised under Different Antimicrobial Use

- Practices.” *2023 Joint Canadian Agricultural Economics Society (CAES/SCAE) and Western Agricultural Economics Association (WAEA) Meeting (Organized Symposium Session)*, Whistler, BC, Canada.
- 2022/08 Muhammad Jawad Khan<sup>\*</sup>, Xiaoli Fan, Shady S. Atallah. “A Hierarchical Approach to Integrated Pest Management (IPM) in Sweet Corn Farms.” *2020 Agricultural & Applied Economics Association (AAEA) Annual Meeting (SCE Track Session)*, Anaheim, CA, United States.
- 2021/07 Yunxuan Chen, Xiaoli Fan<sup>\*</sup>, Ellen Goddard, Shady Atallah. “Optimal Antimicrobial Use Strategies in Canadian Beef Feedlots.” *The XVI European Association of Agricultural Economists (EAAE) Congress*, Virtual Conference, Prague, Czech Republic.
- 2021/06 Chenxi Liu<sup>\*</sup>, Scott Jeffrey, Xiaoli Fan. “Economics of Diversified Cropping Systems in the Canadian Prairie Region.” *2021 Joint Canadian Agricultural Economics Society (CAES/SCAE) and Western Agricultural Economics Association (WAEA) Meeting (Selected Paper Session)*, Virtual Meeting, Canada.
- 2020/10 Xiaoli Fan<sup>\*</sup>, Ellen Goddard. “The Effects of Considerations for Future on Consumer Preference for GM Potatoes in Canada.” *The 24th International Consortium on Applied Bioeconomy Research (ICABR) Conference*, Virtual Conference.
- 2020/07 Dennis Gray<sup>\*</sup>, Xiaoli Fan. “Optimal Control of Mountain Pine Beetle Under Different Climate Scenarios: A Spatiotemporal Bioeconomic Model.” *2020 Agricultural & Applied Economics Association (AAEA) Annual Meeting (Selected Paper Presentation)*, Virtual Meeting, United States.
- 2020/07 Yunxuan Chen<sup>\*</sup>, Xiaoli Fan, and Ellen Goddard. “The Economic Impacts of Reduced Antimicrobial Use in Western Canadian Beef Feedlots.” *2020 Canadian Agricultural Economics Society (CAES/SCAE) Annual Meeting (Selected Paper Presentation)*, Virtual Meeting, Canada.
- 2019/06 Violet Muringai, Xiaoli Fan<sup>\*</sup>, Ellen Goddard. “Consumer Acceptance of Genetically Engineered Potatoes in Canada: The Role of Fairness.” *The 23rd International Consortium on Applied Bioeconomy Research (ICABR) Conference*, Ravello, Italy.
- 2018/08 Violet Muringai, Xiaoli Fan<sup>\*</sup>. “Effect of Information on Consumer Acceptance of Genetically Modified Potatoes in Canada.” *2018 Agricultural & Applied Economics Association (AAEA) Annual Meeting (Selected Paper Presentation)*, DC, United States.
- 2018/08 Adeline D. Yeh<sup>\*</sup>, Miguel I. Gómez, Xiaoli Fan, Francis Drummond. “Effect of Information on Consumer Acceptance of Genetically Modified Potatoes in Canada.” *2018 Agricultural & Applied Economics Association (AAEA) Annual Meeting (Selected Poster Presentation)*, DC, United States.
- 2017/07 Yeon A. Hong<sup>\*</sup>, R. Karina Gallardo, Miguel I. Gómez, Shady S. Atallah. “Modeling the Economic Impacts of the Trade Regulation of Invasive Species: A Study of Apple Production under the Apple Maggot Quarantine Program in the State of Washington.” *2017 Agricultural & Applied Economics Association (AAEA) Annual Meeting*, Chicago, United States.

- 2016/07 Xiaoli Fan<sup>\*</sup>, Miguel I. Gómez, Shady S. Atallah. "Optimal Monitoring and Controlling of Invasive Species: The Case of Spotted Wing Drosophila in the United States." *2016 Agricultural & Applied Economics Association (AAEA) Annual Meeting (Selected Paper Presentation)*, Boston, MA, United States.
- 2016/07 Xiaoli Fan<sup>\*</sup>, Miguel I. Gómez, Thomas Björkman. "Modelling Post-Harvest Facility Location Problem Using Remote Sensing Data." *2016 Agricultural & Applied Economics Association (AAEA) Annual Meeting (Selected Poster Presentation)*, Boston, MA, United States.
- 2016/07 Erkut Sönmez, Deishin Lee, Miguel I. Gómez<sup>\*</sup>, Xiaoli Fan. "An Operational Analysis of Multi-Crop Food Bank Gleaning Programs." *2016 Agricultural & Applied Economics Association (AAEA) Annual Meeting (Selected Paper Presentation)*, Boston, MA, United States.
- 2015/07 Xiaoli Fan<sup>\*</sup>, Miguel I. Gómez, Jon M. Conrad, Shady S. Atallah. "A Spatial Bioeconomic Model of Invasive Insect Diffusion and Control: The Case of Spotted Wing Drosophila in the United States." *2015 Agricultural & Applied Economics Association (AAEA) & Western Agricultural Economics Association (WAEA) Joint Annual Meeting (Selected Poster Presentation)*, San Francisco, CA, United States.
- 2015/07 Erkut Sönmez, Deishin Lee, Miguel I. Gómez<sup>\*</sup>, Xiaoli Fan. "Improving Food Bank Gleaning Operations: An Application in New York State." *2015 Agricultural & Applied Economics Association (AAEA) & Western Agricultural Economics Association (WAEA) Joint Annual Meeting (Invited Paper Session)*, San Francisco, CA, United States.
- 2015/06 Xiaoli Fan, Miguel I. Gómez, Thomas Björkman, Phillip S. Coles<sup>\*</sup>. "Are Consumers Willing to Pay Price Premiums for Newly Developed East Coast Broccoli Varieties? An Experiment Study." *2015 Northeastern Agricultural and Resource Economics Association (NAREEA) & Canadian Agricultural Economics Society (CAES) Annual Meeting (Selected Paper Presentation)*, Newport, RI, United States.
- 2014/07 Xiaoli Fan<sup>\*</sup>, Miguel I. Gómez, Shady S. Atallah, Juan N. Hernandez-Aguilera. "Examining Seasonality of Spatial Integration in the U.S. Fresh Broccoli Market." *2014 Agricultural & Applied Economics Association (AAEA) Annual Meeting (Selected Paper Presentation)*, Minneapolis, MN, United States.
- 2014/07 Xiaoli Fan, Miguel Gómez, Thomas Björkman<sup>\*</sup>. "Are Consumers Willing to Pay Price Premiums for Newly Developed East Coast Broccoli Varieties?" *2014 American Society for Horticultural Science (ASHS) Annual Conference (Poster Presentation)*, Orlando, FL, United States.

### C. Other Presentations

- 2019/04 Violet Muringai, Xiaoli Fan<sup>\*</sup>, Ellen Goddard. "Consumer Acceptance of Gene-Edited versus Genetically Modified Food in Canada." *2019 The Association of Chinese Canadian Professors (ACCP) Research Symposia*, University of Alberta, Edmonton, AB, Canada.
- 2017/01 Miguel I. Gómez<sup>\*</sup>, Xiaoli Fan. "SWD Management and Impact on Profits." *2017 Empire State Producers Expo*, Syracuse, NY, United States.