

CURRICULUM VITAE

Xiaoli Fan

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Department of Resource Economics and Environmental Sociology
University of Alberta,
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[Department Profile](#)
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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, <i>Agribusiness: An International Journal</i>
2021-2024	Councillor, Canadian Agricultural Economics Society (CAES)
2017-	Editorial Board, <i>Canadian Journal of Agricultural Economics</i> (CJAE)

HONORS AND AWARDS

2025	NACTA Teaching Award of Merit, ALES, University of Alberta
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, 2023-2025)
- 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 supervised by Fan;
* indicates corresponding author)

A. Refereed Journal Articles

1. Wang, Huanhuan, Feng Qiu*, **Xiaoli Fan**, Yanan Zheng, and Mauricio Soria Rodriguez. 2025. "Economic Viability-Driven Biorefinery Site Selection for Cellulosic Biofuel Production in Western Canada." *Biosystems Engineering* 253 (May):104122.
<https://doi.org/10.1016/j.biosystemseng.2025.104122>.
2. Cologna, Viktoria*, Niels G. Mede, Sebastian Berger, John Besley, Cameron Brick, Marina Joubert, Edward W. Maibach, Sabina Mihelj, Naomi Oreskes, Mike S. Schäfer, Sander van der Linden, ... Ellen Goddard, **Xiaoli Fan et al.** 2025. "Trust in Scientists and Their Role in Society across 68 Countries." *Nature Human Behaviour*, 1–18.
<https://doi.org/10.1038/s41562-024-02090-5>.
3. Mede, Niels G.*, Viktoria Cologna, Sebastian Berger, John Besley, Cameron Brick, Marina Joubert, Edward W. Maibach, Sabina Mihelj, Naomi Oreskes, Mike S. Schäfer, Sander van der Linden, ... Ellen Goddard, **Xiaoli Fan et al.** 2025. "Perceptions of Science, Science Communication, and Climate Change Attitudes in 68 Countries – the TISP Dataset." *Scientific Data* 12 (1): 114. <https://doi.org/10.1038/s41597-024-04100-7>.

4. 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. <https://doi.org/10.1016/j.foodpol.2024.102687>.
5. 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>.
6. 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>.
7. 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>.
8. **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>.
9. 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>.
10. **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]
11. 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>.
12. 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>.
13. 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

14. 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>.

15. 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 supervised by Fan; * indicates corresponding author)

1. Cologna, Viktoria*, Simona Meiler, Chahan M. Kropf, Samuel Lüthi, Niels G. Mede, David N. Bresch, Oscar Lecuona, Sebastian Berger, John Besley, Cameron Brick, Marina Joubert, Edward W. Maibach, Naomi Oreskes, Mike S. Schäfer, Sander van der Linden, ... Ellen Goddard, **Xiaoli Fan et al.** 2025. "Global evidence on the relationship between extreme weather events and support for climate policies." *Under Review*. <https://doi.org/10.31219/osf.io/mq9x6>.
2. Niels G. Mede*, Viktoria Cologna, Sebastian Berger, John Besley, Cameron Brick, Marina Joubert, Edward W. Maibach, Sabina Mihelj, Naomi Oreskes, Mike S. Schäfer, ... Ellen Goddard, **Xiaoli Fan et al.** 2025. "Public Communication About Science Across 68 Countries: Global Evidence on How People Get Information and Communicate about Science-related Matters." *In Submission*. <https://doi.org/10.31219/osf.io/xb3ha>.
3. Jiansong, Xu*, **Xiaoli Fan**, and Brent Swallow. "The Role of Carbon Pricing in Food Inflation: Evidence from Canadian Provinces." *In Submission*.
4. Chen, Yunxuan, **Xiaoli Fan***, 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*.

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 Kroebel (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 Fellow. **Mohammed Beroud**.
2. 2024/08-Present. Postdoc Fellow. **Huan Chen**.
3. 2024/07-Present. Postdoc Fellow. **Minfeng Tang**.
4. 2024/09-Present. Ph.D. **Edmund Adorkor**. (Principal supervisor: Xiaoli Fan; co-supervisor: Scott Jeffrey).
5. 2023/05-Present. Ph.D. **Jiansong Xu**. (Principal supervisor: Xiaoli Fan; co-supervisor: Brent Swallow).
6. 2025/05-Present. M.Sc. **Daniel Sam**. (Principal supervisor: Xiaoli Fan; co-supervisor: Brent Swallow).
7. 2024/09-Present. M.Sc. **Justilove Comfort Entsuh**. (Principal supervisor: Xiaoli Fan; co-supervisor: Feng Qiu).
8. 2023/09-Present. M.Sc. **Matilda Armoo**. (Principal supervisor: Scott Jeffrey; co-supervisor: Xiaoli Fan).
9. 2024/05-Present. Undergraduate Research Assistant. **Rachel Yin**.
10. 2025/04-Present. Visiting Scholar. **Xiaodi Zhang**.

Finished – Master Students

11. 2023/06-2025/01. Thesis-based (M.Sc.) **Joren Johnson**. (Principal supervisor: Brent Swallow; co-supervisor: Xiaoli Fan).
12. 2022/05-2024/09. Thesis-based (M.Sc.) **Michael Olufemi**.
13. 2022/05-2022/08. Course-based (M.Ag.) **Mauricio Soria Rodriguez**.
14. 2019/05-2021/08. Thesis-based (Withdrawn). **Dennis Gray**.
15. 2019/05-2021/01. Thesis-based (M.Sc.) **Yunxuan Chen**.

Finished – Undergraduate Research Assistants

16. 2018/05-2018/08. **Qi Shao**.
17. 2018/05-2018/08. **Wenxi Sun**.

Finished – Research Assistants / Associates

18. 2024/04-2024/07. Research Assistant. **Espartaco Gonzalez Arteaga**.
19. 2024/05-2024/08. Research Assistant. **Roger Bryan**.
20. 2022/09-2023/09. Research Assistant. **Mauricio Soria Rodriguez**.

Finished – Visiting Scholars

21. 2024/11-2024/12. Visiting Ph.D. Student. **Emirjona Kërtolli**.
22. 2022/11-2023/11. Visiting Ph.D. Student. **Huanhuan Wang**.
23. 2022/07-2023/07. Visiting Ph.D. Student. **Huan Chen**.
24. 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**. (Supervisors: John Halstead / Shady Atallah)
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

- 2025. Christy Marie Alsado. Ph.D. Final Exam. Arm's Length Examiner.
- 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

- 2025. Agricultural Systems; Trends in Food Science & Technology; Agribusiness: An International Journal; CAES Conference Abstracts.
- 2024. Agribusiness: An International Journal; American Journal of Agricultural Economics (AJAE); Canadian Journal of Agricultural Economics (CJAE); PLOS One; 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 supervised by Fan; * indicates presenter)

A. Invited Presentations

- 2025/05 Xiaoli Fan*. “Understanding Agrifood Value Chain: Role of Agricultural Economics Research.” *NSERC-CAPTURE CREATE Workshop*, Edmonton, AB, Canada.
- 2025/03 Xiaoli Fan*. “Information Provision and Halo Effect of Food Labels: What Can Response Time Tell?” *Department of Agricultural and Resource Economics, University of Saskatchewan*, Saskatoon, SK, Canada.
- 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

- 2025/05 Mohammed Beroud*, Xiaoli Fan. “Economic and Environmental Impacts of Soil Liming: Evidence from Western Canada.” *2025 Canadian Agricultural Economics Society (CAES/SCAE) Annual Meeting*, Montréal, QB, Canada.
- 2025/05 Minfeng Tang*, Xiaoli Fan, Guillermo Hernandez Ramirez, Akim Omokanye, Hayford Gyamfi, Cosmas Ugwu. “Profitability and Ecosystem Services of Perennial Grass-Legume Mixtures in Alberta’s Livestock-Forage Systems.” *2025 Canadian Agricultural Economics Society (CAES/SCAE) Annual Meeting*, Montréal, QB, Canada.
- 2025/05 Mohammed Beroud*, Feng Qiu, Bruno Wichmann, Xiaoli Fan. “Measuring the Economic Value of Data Using Geospatial Machine Learning: Evidence from Soil Data in the Palliser’s Triangle.” *2025 Canadian Agricultural Economics Society (CAES/SCAE) Annual Meeting*, Montréal, QB, Canada.

- 2025/05 Huan Chen^{*}, Xiaoli Fan. "Impact of Discrete Choice Experiment Presentation Format on Consumer Preferences Towards Production Claims." *2025 Canadian Agricultural Economics Society (CAES/SCAE) Annual Meeting*, Montréal, QB, Canada.
- 2025/05 Jiansong Xu^{*}, Xiaoli Fan, Brent Swallow. "Welfare Effects of a Carbon Border Adjustment Mechanism in the North American Beef Industry: A Game-Theoretic and Partial Equilibrium Analysis." *2025 Canadian Agricultural Economics Society (CAES/SCAE) Annual Meeting*, Montréal, QB, Canada.
- 2025/01 Xiaodi Zhang, 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^{*}, 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^{*}, 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^{*}, 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^{*}, 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^{*}, 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*, 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*, 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*. "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*, 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*, 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*, 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*, 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*, 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*, 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*, 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*. “Are Consumers Willing to Pay Price Premiums for Newly Developed East Coast Broccoli Varieties? An Experiment Study.” *2015 Northeastern Agricultural and Resource Economics Association (NAREA) & Canadian Agricultural Economics Society (CAES) Annual Meeting (Selected Paper Presentation)*, Newport, RI, United States.
- 2014/07 Xiaoli Fan*, 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*. “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*, 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*, Xiaoli Fan. “SWD Management and Impact on Profits.” *2017 Empire State Producers Expo*, Syracuse, NY, United States.