

GABRIELLE B. EDWARDS

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Education

- Ph.D. in Curriculum Studies, University of British Columbia** 2023
- Thesis title: Participants' experiences implementing a food literacy program utilizing a hydroponic shipping container farm
 - Supervisor: Dr. Kerry Renwick
- M.A. in Human Development and Food Security, Università Degli Studi Roma Tre** 2018
- Thesis title: A global analysis using an ICPD SDG-based composite index
 - Graduated with High Honors
- BSc. Agriculture majoring in Food and Bioproduct Science, University of Saskatchewan** 2016
- Graduated with Great Distinction

Publications and Presentations

Peer-Reviewed Publications

- Blair, S., **Edwards, G.**, Yu, K., Jovel, E., Powell, L. J., Renwick, K., & Conklin, A. I. (2023). What is a school farm? Results of a scoping review. *International Journal of Environmental Research and Public Health*, 20(7), 5332.
- Edwards, G.** (2023). Experiences from a food education program utilizing a hydroponic shipping container farm: The importance of community connections. In Edstrom, M. & Renwick, K. (Eds.), *Proceedings of the 17th Canadian Symposium of Home Economics/Family Studies/Human Ecology/Family & Consumer Science Education*.
- Renwick, K., Powell, L., & **Edwards, G.** (2021). "We are all in this together": investigating alignments in intersectoral partnerships dedicated to K-12 food literacy education. *Health Education Journal*, 80(6), 699-711.

Works Submitted and Forthcoming Publications

- Edwards, G.**, & Renwick, K. (2023). Enacting food citizenship. *Journal of Agricultural and Environmental Ethics*, (revised and submitted).
- Renwick, K., Powell, L., & **Edwards, G.** (2023). Understanding practice architectures in food systems education. *Canadian Journal of Education*, (submitted).
- Edwards, G.** (2023). Technology in food literacy education. For submission to *Nutrients*.
- Edwards, G.** (2023). Using photovoice to explore students' experiences participating in a food education program utilizing a hydroponic shipping container farm. For submission to *Appetite*.

Reports

- Ruetz, A., Tasala, K., McKenna, M., Martin, A., Micnik, K., **Edwards, G.**, Engler-Stringer, R., Everitt, T., Maximova, K., Mosby, I., Seko, Y., and Woodruff, S. (2023). *School Food Case Study: Canada*. Working Papers of the Research Consortium for School Health and Nutrition, London School of Hygiene and Tropical Medicine. World Food Programme: School Meals Coalition. <https://acrobat.adobe.com/link/track?uri=urn%3Aaaid%3Aascds%3AUS%3A0d7fa380-a5fe-3b64-8244-9761cf176425&viewer%21megaVerb=group-discover>.
- Dring, C., Topley, A., MacKechnie, M., **Edwards, G.**, Lepile, T. & Newell, R. (2022). *Food System Planning and Its Climate Justice Implications*. Public Health Association of British Columbia.
- Edwards, G.**, Topley, A. & Dring, C. (2022). *Urban agriculture in British Columbia: An environmental scan*. Public Health Association of British Columbia.

Conference Papers, Posters, Presentations, and Proceedings

- Edwards, G.** (September 2023). *Utilizing a Hydroponic Shipping Container Farm for Food Systems Education: A Case Study* [Conference presentation]. Agri4D, Sweden, Virtual.
- Edwards, G.** (September 2023). *A Guide to Climate Action* [Conference presentation]. Research to Action: Advancing Urban Sustainability 2023, Virtual.
- Edwards, G.** (May 2023). *Technology in food literacy education* [Conference presentation]. Farm to School BC: Planting the Seed, Vancouver, Canada.
- Edwards, G.** (March 2023). *A school-wide food education program utilizing a hydroponic shipping container farm: A catalyst for sustainable actions and change within a community* [Conference presentation]. Canadian Symposium on Home Economics, Saskatoon, Canada.
- Edwards, G.** (September 2022). *Urban agriculture in British Columbia: An environmental scan* [Conference presentation]. Research to Action: Advancing Urban Sustainability 2022, Virtual.
- Edwards, G.** (2021). Investigating food literacy education in BC classrooms. In Edstrom, M. & Renwick, K. (Eds.), *Proceedings of the Canadian Symposium XVI: Issues and Directions for Home Economics/Family Studies/Human Ecology Education*, (89-90).
- Edwards, G.** (February 2021). *Food literacy in the classroom* [Conference presentation]. Canadian Symposium on Home Economics Education, Virtual.

Other Publications

- Edwards, G.** 2023. *A Guide to Climate Action: A toolkit for engaging adults in meaningful, locally situated & long-term climate action*. UBC. https://sustain.ubc.ca/sites/default/files/2023-019_A%20Guide%20to%20Climate%20Action_Edwards.pdf
- Edwards, G.** (2023, April 25). *How schools and families can take climate action by learning about food systems*. The Conversation. <https://theconversation.com/how-schools-and-families-can-take-climate-action-by-learning-about-food-systems-203635>.

Awards and Achievements

Social Science and Humanities Research Council of Canada (SSHRC) Postdoctoral Fellowship

Social Science and Humanities Research Council of Canada (SSHRC) Doctoral Fellowship

Post Master HDFS Research Scholarship – Awarded to the top students of the graduating class

Molson Canada Award of Excellence – Awarded to the graduating student specializing in Food and Bioproduct Sciences with the highest academic average

Research Experience

- University of Gothenburg (Sweden) – Postdoctoral Research Fellow** 2023 – Present
- Researching whole school approaches to sustainable food education
- University of British Columbia – Doctoral Candidate** 2019 – 2023
- Researched food and sustainability education programs in Canada using a qualitative approach
 - Research methods include focus group discussions, surveys, key stakeholder interviews, and photovoice
 - Interdisciplinary subject that requires understanding of a broad range of literature from the fields of education, land and food systems, sociology, and psychology
- BC Sustainable Energy Association – Researcher and Project Specialist** 2023
- Responsible for developing a province-wide initiative to engage adults in climate action
 - Work included conducting a literature review on climate action engagement and pedagogies, running an environmental scan on current climate action initiatives, and using the information to design and pilot a program that was to be effective in the BC context

Public Health Association of British Columbia – Researcher and Project Manager 2022

- Worked as part of an interdisciplinary team to develop and test a framework for directing urban agriculture policy in BC
- Work included conducting a comprehensive literature review on urban agriculture and urban farming, developing a methodology to identify urban agriculture initiatives in BC, conducting an environmental scan of current urban agriculture initiatives across BC, and analyzing results from the environmental scan
- A final report was produced that included actions and recommendations that may be considered by local governments to increase their capacity to evaluate their urban agriculture policies and initiatives

University of British Columbia – Graduate Research Assistant 2019-2022

- Project entitled “Mapping the critical food literacy landscape: Understanding the capacity of food literacy education to support food systems transformation”
- Maintained an updated database of food literacy/food security/food education journal articles
- Created, edited, distributed, and analyzed surveys sent out to teachers, community organizations and other key stakeholders
- Conducted interviews and focus group discussions with teachers, community partners and other key stakeholders
- Transcribed interviews and conducted qualitative thematic analysis on data using NVivo

University of British Columbia – Graduate Academic Assistant 2020

- Assisted in transferring a 2nd year undergraduate course from an in-person format into an online format
- Duties included developing course materials, assisting with course planning and development, and researching online teaching platforms and pedagogies

University of British Columbia – Graduate Research Assistant 2020-2021

- Worked as part of an interdisciplinary team to explore teacher wellbeing in British Columbia and Alberta
- Work included analyzing and coding interview transcripts, developing a theoretical framework, and writing reports that were accessible to school districts across both provinces

Università Degli Studi Roma Tre – Research Assistant 2018

- Constructed a composite index related to rural development and the SDGs within the framework of the capability approach
- Managed, organized, cleaned, and performed statistical analysis on data sets containing over 3000 data points using SPSS software

Natural Sciences and Engineering Research Council of Canada University Undergraduate Student Research Award (NSERC USRA Scholarship)- Student Researcher 2015

- Collected data, interpreted results, and presented research findings to colleagues
- Used various statistical analysis techniques to analyze data and ensure accuracy
- Title of research project: “Total Phenolic Indices and Antioxidant Capacities of Apple and Pear Juices from Major World Production Regions”

Teaching Experience

University of British Columbia – Sessional Lecturer and Course Developer Present

Course title: Climate Action Education (EDUC 562K)

- This is the first time this course is offered; therefore, I am responsible for designing the entire course curriculum including assigning readings, designing assessments, and creating lecture material
- Required to have technological skills and engaging teaching methods as the course is run online asynchronously
- Course topics include whole school approaches to education, environmental impacts of food systems,

decolonizing environmental education, ecopedagogy, and ways to engage students in climate action

University of British Columbia – Sessional Lecturer and Course Developer 2022-Present

Course title: Food and Environmental Sustainability (EDST 4980)/Curriculum for Sustainability (CUST 564)

- 2022 was the first time this course was offered; therefore, I was responsible for designing the entire course curriculum including assigning readings, designing assessments, and creating lecture material
- Required to have technological skills and engaging teaching methods as the course was run virtually via Zoom in 2022 (will run in-person in summer 2023)
- Course topics include introduction to sustainability education, decolonizing environmental education, environmental education pedagogies, and activism in the classroom

University of British Columbia – Senior Teaching Assistant 2019-Present

Course title: Land, Food, and the Community (LFS 250)

- Assists with course development
- Monitors weekly live online Q&A session
- Teaches weekly tutorial to 32 undergraduate students
 - Topics include food activism, food literacy, food security, food citizenship, food sovereignty, and food systems sustainability
- Responsible for all grading and assignment feedback for 32 students
- Course has run both in-person and online requiring constant adaptation of teaching style to adapt to required method of instruction as well as students' needs

Darby School of Language (Rome) – High School Teacher 2017-2018

- Taught Biology, Geography, and English courses to over 300 students
- Responsible for all lesson planning, test creation, and grading
- Demonstrated adaptability by working in a primarily Italian speaking environment

Invited Presentations & Guest Lectures

“Becoming a Climate Action Advocate in Your Community.” Webinar presentation for the BC Sustainable Energy Association. October, 2023.

“School Food Systems.” Guest lecture at University of British Columbia for the class Land, Food, and the Community (LFS 250). February 14, 2023.

“Food Literacy: Bridging Theory and Practice.” Guest lecture at University of British Columbia for the class Land, Food, and the Community (LFS 250). February 7, 2023.

“Food Literacy: Introduction.” Guest lecture at University of British Columbia for the class Land, Food, and the Community (LFS 250). February 7, 2023.

Professional Experience

EQWiP HUBs (Tamale, Ghana) – Monitoring and Evaluation (M&E) Advisor 2019

- Facilitated focus group discussions and conducted key informant interviews with partner organizations and program participants to understand key barriers and opportunities for program success
- Supported partner organizations to design, enhance, and implement activities related to M&E
- Supported partner organizations with implementation of a M&E systems, including providing training, coaching tool development, implementation of internal monitoring processes, data analysis/triangulation and report writing
- Supported partners with development of a management information system

Agriculture in the Classroom Saskatchewan – Program Coordinator 2016-2017, 2019

- Managed a diverse portfolio of over 20 educational outreach programs
- Created budgets, coordinated program details, recruited and trained volunteers, developed curriculum-based program content, monitored and evaluated programs, and wrote formal reports
- Delivered over 100 educational agriculture presentations across Saskatchewan reaching thousands of students

- Developed curriculum-based educational resources for teachers
- Communicated with a wide range of stakeholders and partners in both the education and agriculture sectors

Allan Brooks Nature Centre – Volunteer Coordinator

2021

- Responsible for recruiting and training new volunteers as well as managing a diverse team of over 100 volunteers
- Organized events which included booking facilities, fielding registration, and day of event supervision
- Maintained relationships with volunteers via monthly newsletters, volunteer social events and social media communication

Let's Talk Science – Teacher Partnership Program Coordinator

2019-2020

- Recruited and trained over 50 student volunteers
- Recruited/liased with school board contacts, teachers, and other stakeholders
- Communicated with teachers and volunteers to organize classroom visits with the goal of increasing youth interest in STEM

Community Involvement

EcoCooks Club – Curriculum Advisor

2021-Present

Canadian Food Grains Bank – Food Activism Work

2018- Present

UBC Undergraduate Research Experiences REX – Mentor

2020- 2023

World Wide Opportunities on Organic Farms (WWOOFING), Ireland

2018

Saskatoon Triathlon Association Board of Directors – Youth Director

2015-2017

Relevant Skills, Education, and Certifications

Reconciliation Through Indigenous Education, UBC edX course

Centre for the Integration of Research, Teaching and Learning (CIRTL) Practitioner, UBC

Teaching Practicum, UBC

Graduate Instructional Skills Workshop, UBC

TESOL/TESL/TEFL Certification, Oxford Seminars

E-learning courses, Food and Agriculture Organization of the United Nations (FAO)

- Developing a Monitoring and Evaluation (M&E) Plan for Food Security and Agriculture Programmes
- Qualitative Methods for Assessing the Impact of Development Programmes on Food Security
- Assessing Impact of Development Programmes on Food Security