

## PROFESSIONAL APPOINTMENTS

- 2022- **Postdoctoral Fellow**, School of Biological Sciences, Washington State University  
    **Liber Ero Postdoctoral Fellow**, 2022-2025  
    **NSERC Postdoctoral Fellow**, 2022-2024
- 2021-2022 **Postdoctoral Fellow**, Department of Integrative Biology, University of Guelph

## EDUCATION

- 2021     **Ph.D. Environmental Toxicology**, School of Environmental Sciences, University of Guelph
- 2016     **M.Sc. Environmental Toxicology**, School of Environmental Sciences, University of Guelph
- 2014     **B.Sc. Hon. Toxicology**, College of Physical and Engineering Sciences, University of Guelph

## PUBLICATIONS (‡ co-first authors | † undergraduate or graduate mentee )

### Manuscripts in Review and Revision

26. Rudman, S.M., Faber-Hammond, J.J., Sherman, R.E., **Shahmohamadloo, R.S.**, MacMillan, H.A., Jeyasingh, P.D., Schmidt, P.S. (2025). [Ecology stoichiometry and life history theory, not the identity of genomic variants, predict rapid adaptation](#). *bioRxiv* (In review with *Proceedings of the National Academy of Sciences*)
25. **Shahmohamadloo, R.S.**, Gabidulin, A.R.†, Andrews, E.R.†, Rudman, S.M. (2025). [Microbiome evolution plays a secondary role in host rapid adaptation](#). *bioRxiv* (In revision with *Nature Communications*)

### Peer-reviewed

24. Prilesion, E.G., Campagnari, B., Clare, C.I., Gabidulin, A.R., **Shahmohamadloo, R.S.**, Rudman, S.M. (2025). [Overwintering drives rapid adaptation in \*Drosophila\* with potential costs to insecticide resistance](#). *Evolution*, qpa205.  
    Digest feature: [Evolution](#)
23. Tissier, M.L.‡, **Shahmohamadloo, R.S.**‡, Guzman, L.M.‡ (2025). [Pesticide risk assessment in a changing world](#). *Glob. Change Biol.*, 31: e70203.
22. **Shahmohamadloo, R.S.**, Gabidulin, A.R.†, Andrews, E.R.†, Fryxell, J.M., Rudman, S.M. (2025). [A test for microbiome-mediated rescue via host phenotypic plasticity in \*Daphnia\*](#). *Proc. R. Soc. B.*, 292: 20250365.
21. **Shahmohamadloo, R.S.**, Fryxell, J.M., Rudman, S.M. (2025). [Transgenerational epigenetic inheritance increases trait variation but is not adaptive](#). *Evolution*, 79(6), 1033-1043.
20. Schiller, L., Tissier, M.L., Davis, A.C.D., Lamb, C.T., Mayer, S.O., Menzies, A.K., **Shahmohamadloo, R.S.**, Vanderwolf, K.J. (2025) [Hopeful insights from wildlife recoveries in Canada](#). *FACETS*, 10: 1-17.  
    Media coverage: [The Narwhal](#), [The Canadian Press](#)
19. **Shahmohamadloo, R.S.**‡, Rudman, S.M.‡, Clare, C.I., Westrick, J.A., De Meester, L., Fryxell, J.M. (2024). [Intraspecific diversity is critical to population-level risk assessments](#). *Sci. Rep.*, 25883.
18. **Shahmohamadloo, R.S.**‡, Tissier, M.L.‡, Guzman, L.M.‡ (2024). [Risk assessments underestimate threat of pesticides to wild bees](#). *Conserv. Letters*, e13022.  
    Media coverage: [The CNRS](#), [USC Dornsife](#)
17. **Shahmohamadloo, R.S.**, Frenken, T., Rudman, S.M., Van West, P., Ibelings, B.W., Trainer, V.L. (2023). [Diseases and Disorders in Fish due to Harmful Algal Blooms](#). *Climate Change on Diseases and Disorders of Finfish in Cage Culture* (3rd Ed). CABI, Oxfordshire, UK.

16. **Shahmohamadloo, R.S.**, Bhavsar, S.P., Ortiz Almirall, X., Marklevitz, S.A.C., Rudman, S.M., Sibley, P.K. (2023). *Cyanotoxins accumulate in Lake St. Clair fish yet their fillets are safe to eat*. *Sci. Total. Environ.*, 874, 162381.  
Media coverage: [CBC News](#), [CBC Listen](#), [The Globe and Mail](#), [CBC News](#), [The Weather Network](#)
15. **Shahmohamadloo, R.S.**, Bhavsar, S.P., Ortiz Almirall, X., Marklevitz, S.A.C., Rudman, S.M., Sibley, P.K. (2023). *Lake Erie fish safe to eat yet afflicted by algal hepatotoxins*. *Sci. Total. Environ.*, 861, 160474.  
Media coverage: [CBC News](#), [CBC Listen](#), [The Globe and Mail](#), [CBC News](#), [The Weather Network](#)
14. Hataley, E.K.†, **Shahmohamadloo, R.S.**, Ortiz Almirall, X., Harrison, A.L., Rochman, C.M., Zou, S., Orihel, D.M. (2022). *Experimental evidence from the field that naturally weathered microplastics accumulate cyanobacterial toxins in eutrophic lakes*. *Environ. Toxicol. Chem.*, 41(12), 3017-3028.
13. **Shahmohamadloo, R.S.**, Febria, C.M., Fraser, E.D.G., Sibley, P.K. (2022). *The Sustainable Agriculture Imperative: The need for an Agrosystem Approach to Meet the United Nations Sustainable Development Goals by 2030*. *Integr. Environ. Assess. Manag.*, 18(5), 1199-1205.  
Media coverage: [The Rockefeller Foundation](#), [Farmtario](#), [U of G News](#)
12. **Shahmohamadloo, R.S.**, Ortiz Almirall, X., Simmons, D.B.D., Bhavsar, S.P., Poirier, D.G., Sibley, P.K. (2022). *Fish tissue accumulation and proteomic response to microcystins is species-dependent*. *Chemosphere*, 287, 132028.
11. **Shahmohamadloo, R.S.**, Ortiz Almirall, X., Simmons, D.B.D., Lumsden, J.S., Bhavsar, S.P., Watson-Leung, T., Vander Eyken, A.†, Hankins, G.†, Hubbs, K.†, Konopelko, P.†, Sanarcki, M.†, Strong, D.†, Sibley, P.K. (2021). *Cyanotoxins within and outside of *Microcystis aeruginosa* cause adverse effects in Rainbow Trout (*Oncorhynchus mykiss*)*. *Environ. Sci. Technol.*, 55(15), 10422-10431.  
Award: [2022 IFHAB Best Paper Award](#)
10. Guo, Y., O'Brien, A.M., Lins, T.F., **Shahmohamadloo, R.S.**, Ortiz Almirall, X., Rochman, C.M., Sinton, D. (2021). *The Effects of Hydrogen Peroxide on Cyanobacterium *Microcystis aeruginosa* in the Presence of Nanoplastics*. *ACS ES&T Water*, 1(7), 1596-1607.  
Award: [2021 ACS ES&T Water Best Paper Award](#)
9. **Shahmohamadloo, R.S.** (2020). *Mentoring with trust*. *Science*, 369(6508), 1270.
8. Anaraki, M.T., **Shahmohamadloo, R.S.**, Sibley, P.K., MacPherson, K.A., Bhavsar, S.P., Simpson, A.J., Ortiz Almirall, X. (2020). *Optimization of an MMPB Lemieux Oxidation method for the quantitative analysis of microcystins in fish tissue by LC-QTOF MS*. *Sci. Total Environ.*, 737, 140209.
7. **Shahmohamadloo, R.S.**, Simmons, D.B.D., Sibley, P.K. (2020). *Shotgun proteomics analysis reveals sub-lethal effects in *Daphnia magna* exposed to cell-bound microcystins produced by *Microcystis aeruginosa**. *Comp. Biochem. Phys. D.*, 33, 100656.
6. **Shahmohamadloo, R.S.**, Ortiz Almirall, X., Bhavsar, S.P., Poirier, D.G., Sibley, P.K. (2020). *Assessing the toxicity of cell-bound microcystins on freshwater pelagic and benthic invertebrates*. *Ecotox. Environ. Safe.*, 188, 109945.
5. **Shahmohamadloo, R.S.**, Ortiz Almirall, X., Holeton, C., Bhavsar, S.P., Poirier, D.G., Sibley, P.K. (2019). *Adopting a culture technique to produce and sustain high concentrations of microcystins by *Microcystis aeruginosa* in laboratory*. *MethodsX*, 6, 2521-2535.
4. Gene, S.M.†, **Shahmohamadloo, R.S.**, Ortiz, X., Prosser, R.S. (2019). *Effect of Microcystis aeruginosa-associated microcystin-LR on the survival of 2 life stages of freshwater mussel (*Lampsilis siliquoidea*)*. *Environ. Toxicol. Chem.*, 38(10), 2137-2144.
3. **Shahmohamadloo, R.S.**, Lissemore, L., Prosser, R.S., Sibley, P.K. (2017). *Comparative evaluation of four biosolids formulations on the effects of triclosan on plant-arbuscular mycorrhizal fungal interactions in three crop species*. *Sci. Total. Environ.*, 583, 292-299.
2. **Shahmohamadloo, R.S.**, Lissemore, L., Prosser, R.S., Sibley, P.K. (2016). *Evaluating the effects of triclosan on three field crops grown in four formulations of biosolids*. *Environ. Toxicol. Chem.*, 36(7), 1896-1908.
1. Prosser, R.S., Lissemore, L., **Shahmohamadloo, R.S.**, Sibley, P.K. (2015). *Effect of biosolids-derived triclosan and triclocarban on the colonization of plant roots by arbuscular mycorrhizal fungi*. *Sci. Total. Environ.*, 508, 427-434.

## Manuscripts in Preparation

- P1. Cannon, S.E., **Shahmohamadloo, R.S.**, Mordecai, G.J., Adams, C.A., Bugg, W.S., Diana, Z.T., Lewthwaite, J.M.M., Piczak, M.L., Perron, M.A.C., Tissier, M.L., Lopez, M.L.D., Larue, B., Palen, W.J. (2025) Protecting environmental governance from regulatory capture.
- P2. **Shahmohamadloo, R.S.**, Faber-Hammond, J.J., Gabidulin, A.R., Clare, C.I., Rudman, S.M. (2025) Assisted gene flow prevents extinction when adaptation alone fails under chronic insecticide stress.

## Public Scholarship & Commentary

Tissier, M.L., Guzman, L.M., Lewthwaite, J.M.M., **Shahmohamadloo, R.S.** (2025) [Affaiblir la surveillance des pesticides met les Canadiens et leur environnement en danger](#) (English: Weakening Pesticide Oversight Puts Canadians and the Environment at Risk). *Le Devoir*.

Media coverage: [Le Devoir](#), [Radio Canada](#)

## GRANTS

<b>Grants Awarded</b>		<b>(Total: \$340,000 CAD, \$32,000 USD)</b>
2025-2027	Twist Gene-ius Grant: “Developing a field-deployable genomics tool for forecasting insecticide resistance in <i>Drosophila suzukii</i> ”. Role: PI.	\$30,000 USD
2022-2025	Liber Ero Postdoctoral Fellowship: “Using field experiments and genomics to test understand rapid evolution, resistance, and population persistence in <i>Drosophila melanogaster</i> ”. Role: PI.	\$190,000 CAD
2023	National Science Foundation (NSF) ADVANCE ACCESS+ DEI Mini-Grant: “Leading culture change in the International Association for Great Lakes Research”. Role: Co-PI.	\$2,000 USD
2022-2024	National Science and Engineering Research Council of Canada (NSERC) Postdoctoral Fellowship*: “Combining experiments, genomic tools, and an eco-evolutionary framework to understand the biotic basis of harmful algal blooms”. Role: PI.	\$90,000 CAD
	*Ranked ‘Outstanding’ (1 <sup>st</sup> out of 74 applicants in Evolution and Ecology section)	
2022	Mitacs Globalink Research Award: “Zooplankton clonal control of harmful algal blooms”. Role: PI.	\$6,000 CAD
2021-2022	University of Guelph Postdoctoral Fellowship: “Combining experiments, genomic tools, and an eco-evolutionary framework to understand the biotic basis of harmful algal blooms”. Role: PI.	\$50,000 CAD
2018	Ontario Federation of Anglers and Hunters Fisheries Research Grant: “Impact of harmful algal blooms and microcystins in aquatic biota of the Great Lakes”. Role: PI.	\$4,000 CAD

## Grants Pending

2026-	United States Department of Agriculture – National Institute of Food and Agriculture – Agriculture and Food Research Initiative (USDA NIFA AFRI) A1112: “Tracking and slowing insecticide resistance evolution using genomic data and field experiments”. Role: Co-I and named fellow.	\$630,000 USD
2026-	Ontario Ministry of Agriculture, Food and Agribusiness Tier 1 Research program: “Pairing field sampling, field experiments, and genomic tools to manage insecticide resistance in Spotted Wing Drosophila across Ontario”. Role: Co-I and named fellow.	\$240,000 CAD
2026-	Grants with Growers Associations: “Testing Integrated Pest Management strategies and genomic tools for resistance management in Spotted Wing Drosophila”. Role: Co-PI. Northwest Center For Small Fruits Research	\$40,000 USD

Washington Blueberry Commission	\$18,800 USD
Washington Red Raspberry Commission	\$17,300 USD
Oregon Raspberry and Blackberry Commission	\$10,000 USD
North American Strawberry Growers Association	\$15,000 USD
North American Raspberry and Blackberry Association	\$5,000 USD
Niagara Peninsula Fruit and Vegetable Growers Association	\$10,000 CAD

**Scholarships Awarded****(Total: \$161,000 CAD, \$4,000 USD)**

2020	IAGLR Scholarship	\$2,000 USD
2018-2020	Ontario Graduate Scholarship (x2)	\$30,000 CAD
2016-2020	NSERC CREATE Doctoral Scholarship	\$84,000 CAD
2016-2018	University Graduate Scholarship (x3)	\$9,000 CAD
2016-2018	SETAC North America Student Travel Award (x2)	\$1,000 USD
2016	Graduate Excellence Entrance Scholarship	\$30,000 CAD
2015	Dean's Scholarship	\$500 CAD
2014	OSCIA Research Scholarship	\$1,000 CAD
2011	URA Award in Department of Chemistry	\$6,500 CAD

**Honors & Prizes**

2022	IFHAB Best Student Paper Award
2021	ACS ES&T Water Best Paper Award
2020	Rockefeller Foundation Food System Vision Prize (Semi-Finalist) <sup>†</sup>
	<sup>†</sup> Co-PI. Selected as one of 75 semi-finalists from 1,300 applicants worldwide
2016	SETAC North America Best Presenter Award (2 <sup>nd</sup> Place)
2013	André Auger Citizenship Award
2011	International Film Contest Winner, Tony Blair Institute for Global Change

**TEACHING EXPERIENCE****Courses Taught**

2025-	<b>Instructor</b> Course: Genomic Approaches to Questions in Ecology and Evolution (BIO589)	(WSU)
2016-2019	<b>Teaching Assistant</b> Course: Capstone Project in Environmental Sciences (ENVS4001, ENVS4002) Course: Pesticides in the Environment (ENVS3020)	(U. Guelph)

**Guest Lectures**

2024	Pesticides and the Environment (ENVS3020)	(U. Guelph)
2024	Human Health and the Environment (ENVS6882)	(U. Guelph)
2021	Multiple Stressors in the Great Lakes (ENVS6470)	(U. Guelph)

**Teaching Accreditations**

2019	Graduate Research and Project Management, certificate course	(U. Guelph)
2018	University Teaching: Theory and Practice, credit course	(U. Guelph)

**Advising** (\* authored publication during mentorship | † research presented at a conference )

2024-	Brynette Ruotsalainen	HHMI RAISE paid undergraduate researcher (WSU)
2024-	Cristian Zetina	Paid undergraduate researcher (WSU)

2024-	Amir Gabidulin*	Postbaccalaureate researcher (WSU)
2023-	Timur Gabidulin	Paid undergraduate science illustrator (WSU)
2023-2024	Lily Jonas	Undergraduate research for credit program (WSU)
2023-2024	Ellie Andrews*	Postbaccalaureate researcher (WSU)
2023-2024	Kayley Breslin	Undergraduate honors thesis (U. Guelph)
2022-2023	William Smith†	Undergraduate co-op term (U. Guelph)
2021-2023	Megan Braun†	Undergraduate honors thesis & lab volunteer (U. Guelph)
2021-2022	Julia Bourdeau†	Lab volunteer (U. Guelph)
2021-2022	Mathew Mervyn†	Undergraduate honors thesis & lab volunteer (U. Guelph)
2019-2020	Gabrielle Hankins*	Undergraduate research for credit program (U. Guelph)
2019-2020	Kate Hubbs*	Undergraduate research for credit program (U. Guelph)
2019-2020	Polina Konopelko*	Undergraduate research for credit program (U. Guelph)
2019-2020	Michael Sanarcki*	Undergraduate research for credit program (U. Guelph)
2019-2020	Damn Strong*	Undergraduate research for credit program (U. Guelph)
2019-2020	Angela Vander Eyken*	Undergraduate research for credit program (U. Guelph)
2018-2019	Samantha Gene*	Undergraduate volunteer (U. Guelph)

## SERVICE TO PROFESSION & SOCIETY

### Departmental

2022-2025	<b>Member</b> , Equity, Diversity, and Inclusion Committee	(U. Guelph)
2018-2020	<b>Member</b> , Undergraduate Curriculum Committee	(U. Guelph)
2016-2020	<b>Member</b> , Communications and Outreach Committee	(U. Guelph)
2016-2020	<b>Organizing Committee</b> , Kenneth Hammond Lecture	(U. Guelph)
2017-2018	<b>Search Committee</b> , Canada 150 Research Chair in Agriculture	(U. Guelph)
2017-2018	<b>Search Committee</b> , Assistant Professor in Soil Science	(U. Guelph)

### External

2017-	<b>Founding Member</b> , Interdisciplinary Freshwater Harmful Algal Blooms Workshop
2024-2026	<b>Co-Chair</b> , IDEA+ Committee, International Association for Great Lakes Research
2021-2024	<b>Board of Directors</b> , International Association for Great Lakes Research
2012-2016	<b>STEM Educator</b> , Upper Grand District School Board
2007-2016	<b>Youth Group Facilitator</b> , Junior Youth Empowerment Program

### Ad-hoc Reviewer (number of papers reviewed per journal)

2017-	Aquatic Toxicology (5); Bioinformatics Advances (1); Biology (1); Biology Letters (1); Chemosphere (6); Comprehensive Reviews in Food Science and Food Safety (1); Ecological Informatics (2); Ecology and Evolution (1); Ecotoxicology and Environmental Safety (23); Environmental Chemistry and Ecotoxicology (1); Environmental Management (1); Environmental Pollution (6); Environmental Quality Management (1); Environmental Science and Pollution Research (7); Environmental Science & Technology (1); Environmental Toxicology and Chemistry (2); Freshwater Biology (1); Frontiers in Microbiology (1); Frontiers in Toxicology (1); Harmful Algae (4); Journal of Environmental Management (3); Journal of Hazardous Materials (6); Journal of Industrial and Engineering Chemistry (1); Marine and Freshwater Behaviour Physiology (1); Marine Pollution Bulletin (2); Neurotoxicity Research (1); Pest Management Science (2); Resources, Environment and Sustainability (1); Reviews of Environmental Contamination and Toxicology (1); Science of the Total Environment (38); Toxicon (9); Water Research (1)
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**Ad-hoc Grant Reviewer** (number of grants reviewed)

2021- BiodivERsA (1), French National Research Agency (1), Water JPI (1)

**INVITED TALKS AND CONFERENCE ACTIVITIES****Invited Talks**

2026	Department of Environmental and Molecular Toxicology, Oregon State University
2026	Department of Entomology, Washington State University
2022	Department of Biological Sciences, University of Memphis
2022	Department of Biology, University of Waterloo
2022	School of Biological Sciences, Washington State University
2022	Department of Biology, University of New Brunswick Saint John
2022	Department of Integrative Biology, University of Windsor
2022	Department of Biology, Mount Allison University
2021	Ontario Ministry of Natural Resources and Forestry
2021	Department of Biology, Queen's University
2020	Rockefeller Foundation and EAT Foundation

**Conferences/Symposia Organized**2017-2025 1<sup>st</sup> to 7<sup>th</sup> [IFHAB Workshop](#), 100-150 participants2018 [Kenneth Hammond Lecture & Spring Sustainability Symposium](#), 75-90 participants**Panels Organized**

2022	<a href="#">12<sup>th</sup> International Conference on Toxic Cyanobacteria</a> , “Current and future issues in HAB detection, monitoring, mitigation and management”
2017	<a href="#">Canadian Ecotoxicity Workshop</a> , “Harmful algal bloom toxins in biota of the Great Lakes”
2017	<a href="#">60<sup>th</sup> IAGLR Conference</a> , “The Science and Policy of Multiple Stressors and Cumulative Effects in the Great Lakes”

**Invited Panelist**

2022	<a href="#">12<sup>th</sup> International Conference on Toxic Cyanobacteria</a> , “Experts in the hot seat: Greatest challenges facing the management and reduction of HABs”
2020	<a href="#">63<sup>rd</sup> IAGLR Conference</a> , “The state of Great Lakes research in the face of COVID-19”

**Contributed Conference Presentations** (Total: 22 presentations)

22. “Assisted gene flow prevents extinction when adaptation alone fails under chronic insecticide stress”. SETAC North America 46<sup>th</sup> Annual Meeting. Portland, OR, USA. Oral Presentation (2025).
21. “Assisted gene flow prevents extinction when adaptation alone fails under chronic insecticide stress”. Canadian Ecotoxicity Workshop. Victoria, BC, Canada. Oral Presentation (2025).
20. “Transgenerational epigenetic inheritance increases trait variation but is not adaptive”. 3<sup>rd</sup> Joint Congress on Evolutionary Biology. Montréal, QC, Canada. Oral Presentation (2024).
19. “Transgenerational epigenetic inheritance increases trait variation but is not adaptive”. CSEE 2024. Vancouver, BC, Canada. Oral Presentation (2024).
18. “The eco-evolutionary consequences of rapid adaptation”. EVO-WIBO 2023. Port Townsend, WA, USA. Oral Presentation (2023).
17. “Harmful algal blooms of the cyanobacterium *Microcystis* cause deleterious effects in aquatic organisms: Implications for freshwater biodiversity conservation”. 12<sup>th</sup> International Conference on Toxic Cyanobacteria, Toledo, OH, USA. Poster Presentation (2022).

16. "Harmful algal blooms of the cyanobacterium *Microcystis* cause deleterious effects in aquatic organisms: Implications for freshwater biodiversity conservation". JASM, Grand Rapids, MI, USA. Oral Presentation (2022).
15. "From genes to populations: intraspecific genetic variation in the sublethal effects of harmful algae". SETAC North America 42<sup>nd</sup> Annual Meeting, Portland, OR, USA. Oral Presentation (2021).
14. "Intraspecific genetic variation in the sublethal effects of harmful algae. Canadian Society of Ecology and Evolution, University of British Columbia, BC, Canada. Oral Presentation (2021).
13. "The ecotoxicology of microcystins in freshwater environments: prospects for future research". Interdisciplinary Freshwater Harmful Algal Blooms Webinar: The Future of Freshwater Harmful Algal Blooms Research, University of Montréal, QC, Canada. Oral Presentation (2021).
12. "Microcystins in both intracellular and extracellular states can cause disease-related effects in Rainbow Trout (*Oncorhynchus mykiss*)". IAGLR 64<sup>th</sup> Conference (Virtual), Michigan Technological University, MI, USA. Oral Presentation (2021).
11. "Distinguishing the toxicokinetics between intracellular and extracellular microcystin exposure to Rainbow Trout (*Oncorhynchus mykiss*)". SETAC North America 41<sup>st</sup> Annual Meeting, SciCon2, Waco, TX, USA. Oral Presentation (2020).
10. "Sorption of Microcystins to Microplastics in Freshwater Ecosystems". SETAC North America 41<sup>st</sup> Annual Meeting, SciCon2, Waco, TX, USA. Oral Presentation (2020).
9. "Shotgun proteomics analysis reveals sub-lethal effects in *Daphnia magna* exposed to cell-bound microcystins produced by *Microcystis aeruginosa*". IAGLR 63<sup>rd</sup> Conference (Virtual), Winnipeg, MB, Canada. Poster Presentation (2020).
8. "Building Resiliency in Agricultural Landscapes: A Conceptual Framework Focused on Risk Management". SETAC Europe 28<sup>th</sup> Annual Meeting, Dublin, LEN, Ireland. Poster Presentation (2020).
7. "Assessing the differences in uptake and depuration potential of intra- and extracellular microcystins in *Salvelinus namaycush* and *Oncorhynchus mykiss*". SETAC North America 40<sup>th</sup> Annual Meeting, Toronto, ON, Canada. Poster Presentation (2019).
6. "An efficient and affordable laboratory method to produce and sustain high concentrations of microcystins by *Microcystis aeruginosa*". SETAC North America 40<sup>th</sup> Annual Meeting, Toronto, ON, Canada. Poster Presentation (2019).
5. "Microcystis aeruginosa adversely impacts *Daphnia* spp.: Posing risks to food webs of the Great Lakes". SETAC North America 39<sup>th</sup> Annual Meeting, Sacramento, CA, USA. Poster Presentation (2018).
4. "Microcystis aeruginosa adversely impacts *Daphnia* spp.: Posing risks to food webs of the Great Lakes". IAGLR 61<sup>st</sup> Conference, Toronto, ON, Canada. Oral Presentation (2018).
3. "A resourceful approach to managing sewage sludge: An effects-based look at the micro-constituents in land-applied biosolids". FarmSmart Conference: Municipal Biosolids Beneficial Use Education Day, Milton, ON, Canada. Oral Presentation (2017).
2. "Evaluating the effects of triclosan on field crops and arbuscular mycorrhizal fungi in biosolids-amended soil". SETAC North America 36<sup>th</sup> Annual Meeting, Salt Lake City, UT, USA. Oral Presentation (2015).
1. "Evaluating the effects of triclosan on field crops and arbuscular mycorrhizal fungi in biosolids-amended soil". Canadian Ecotoxicity Workshop, Ottawa, ON, Canada. Oral Presentation (2014).

## LANGUAGES

English (Native proficiency), French (Limited working proficiency), Persian (Limited working proficiency)

## PROFESSIONAL MEMBERSHIPS

Society for the Study of Evolution (SSE), Canadian Society for Ecology and Evolution (CSEE), International Association for Great Lakes Research (IAGLR), Society of Environmental Toxicology and Chemistry for North America (SETAC NA), Laurentian Chapter for the Society of Environmental Toxicology and Chemistry (L-SETAC)