

Curriculum Vitae

RENÉ SAHBA SHAHMOHAMADLOO

Ph.D. Candidate, School of Environmental Sciences, University of Guelph

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SECTION 1 – BIOGRAPHICAL INFORMATION

1.1 Name

René Sahba Shahmohamadloo (He/Him/His)

1.2 Education

Doctor of Philosophy (Ph.D.) Candidate: Aquatic Toxicology and Food Security Sep 2016 – Present
University of Guelph, School of Environmental Sciences Guelph, ON

Thesis: Microcystins in the Great Lakes: Mechanisms of toxicity and risks from consumption of fish
Advisor: Dr. Paul K. Sibley

Master of Science (M.Sc.), Environmental Toxicology May 2016
University of Guelph, School of Environmental Sciences Guelph, ON

Thesis: Evaluating the effects of triclosan on field crops and arbuscular mycorrhizal fungi in biosolids-amended soil
Advisor: Dr. Paul K. Sibley

Bachelor of Science (B.Sc.), Toxicology Dec 2014
University of Guelph, College of Physical and Engineering Sciences Guelph, ON

Thesis: Evaluation of antimicrobials in major agricultural products following land application of municipal biosolids
Advisor: Dr. Paul K. Sibley

1.3 Languages

English	Native proficiency
French	Limited working proficiency
Persian	Limited working proficiency

SECTION 2 – PROFESSIONAL ACTIVITIES

2.1 Professional Experience

Graduate Researcher (Ph.D.)

Sep 2016 – Present

Aquatic Toxicology Unit, Ministry of the Environment

Toronto, ON

- Circumvent over \$100,000 cost to purchase analytical standards through the development of a method for producing cyanobacterial toxins
- Test the fate and effect of chemicals in the environment by designing and coordinating large-scale experiments investigating the uptake and depuration kinetics of cyanobacterial toxins in 3 fish species relevant to Lake Erie, providing evidence as to whether humans are at risk from fish consumption
- Collect, synthesize, analyze, manage, and report environmental data, such as toxin measurements, dose-response relationships, proteomics, lethality, and reproduction effects in exposed aquatic (in)vertebrates
- Analyze data to determine validity, quality, and scientific significance and to interpret correlations between the effects of chemicals and adverse effects in aquatic (in)vertebrates
- Collaborate with experts across multiple disciplines from provincial (Ministry of the Environment) and academic research institutions (Guelph, Ontario Institute of Technology, Toronto) to conduct robust experiments on the fate and effect on chemicals in the environment; results are published in refereed scientific journals
- Provide scientific guidance, support, and coordination to management within the Ministry of the Environment and the Ontario Federation of Anglers and Hunters regarding the potential for cyanobacterial toxins to threaten the health of fish
- Communicate scientific information to the public, organizations, and internal audiences through oral briefings, written documents, workshops, conferences, and training sessions
- Supervise and mentor one graduate researcher and two undergraduate researchers
- Awarded over \$35,000 in research funding in recognition of demonstrating a novel approach to understanding the mechanisms of toxicity from cyanobacterial toxins in fish relevant to the Great Lakes

Research Technician

May 2016 – Aug 2016

School of Environmental Sciences, University of Guelph

Guelph, ON

- Managed laboratory functions including organization, extraction, and identification of field samples needed for 2 M.Sc. thesis projects

Graduate Researcher (M.Sc.)

Jan 2014 – May 2016

School of Environmental Sciences, University of Guelph

Guelph, ON

- Designed original experiments to assess the risk of an antimicrobial chemical (triclosan) to adversely affect 3 cash crops grown in 4 types of municipal biosolids, amended with soil
- Engaged in collaborative work with stakeholders from government (Ministry of the Environment), non-governmental organizations (Canadian Water Network), municipalities (Calgary, Halton Hills, Toronto), industry (Lystek), universities (Guelph, Ryerson, Toronto, Trent), and associations (Ontario Soil and Crop Improvement Association) to investigate the risk of chemical exposure from biosolids to crops
- Managed laboratory functions including setup, takedown, extraction, and identification of triclosan in vector

- Synthesized, analyzed, and summarized scientific information in the form of oral briefings, refereed scientific journal publications, written documents, press articles, and conferences, making it accessible and understandable to key stakeholders and the general public
- Recognized for novelty in research through an award from the Ontario Soil and Crop Improvement Association and being named Highly Qualified Personnel for contribution to biosolids in a report released by the Canadian Water Network

2.2 Professional Memberships

International Association for Great Lakes Research
 Society of Environmental Toxicology and Chemistry for North America
 Laurentian Chapter for the Society of Environmental Toxicology and Chemistry

2.3 Professional Development

Graduate Research and Project Management (Certificate course) Jan 2019 – May 2019
The Office of Research, University of Guelph Guelph, ON

- Learned the management of scholarly and research projects, including administrative and ethical concerns from several disciplines

University Teaching: Theory and Practice (Credit course) Sep 2018 – Dec 2018
The Office of Open Learning and Educational Support, University of Guelph Guelph, ON

- Critically examined and learned issues and research in higher education
- Engaged in intensive, interdisciplinary discussions about topics including learning outcomes, assessment, active learning, course design, and the context of teaching in higher education
- Practiced teaching, developed the skills of reflective practice, and provided feedback on teaching

Diversity and Human Rights Faculty Recruitment (Workshop) Nov 2017
The Office of Diversity and Human Rights, University of Guelph Guelph, ON

- Contextualized the goals of employment equity
- Defined implicit bias and potential impacts on recruitment and hiring process
- Identified strategies to minimize implicit bias from impacting decision-making and interpersonal interactions within the search committee

Laboratory Technician Training Jan 2017 – Oct 2017
Aquatic Toxicology Unit, Ministry of the Environment Toronto, ON

- Trained in several biological test methods, such as the rainbow trout acute lethality test (EPS1/RM/9), hexagenia spp. survival and growth in sediment (MECP E3444), and daphnia spp. reproduction and survival test (EPS1/RM/21)
- Trained in several culturing techniques for *Microcystis aeruginosa* and *Raphidocelis subcapitata*
- Trained in several standard operating procedures related to measuring chemical parameters
- Trained in WHMIS health and safety protocols when working in a Ministry laboratory

SECTION 3 – TEACHING ACTIVITIES

3.1 Teaching Experience

Graduate Teaching Assistant

Sep 2017 – May 2019

School of Environmental Sciences, University of Guelph

Guelph, ON

Course: **ENVS 4001/4002 (Project in Environmental Sciences)**

Enrolment: 88 (F18–W19); 70 (F17–W18)

Course description: The course permits students the opportunity to integrate both the skills and knowledge acquired in earlier courses through application to current environmental problems and issues for an external client

- Guide over 150 fourth-year undergraduate students step-by-step on how to approach an environmental problem presented by an external client, and to come-up with science-based solutions for the clients within tight deadlines
- Provide students with constructive criticism on their scientific writing style while encouraging them to be critical thinkers
- Grade student assignments, such as proposals, poster presentations, and final reports.
- Develop teaching materials, such as rubrics
- Troubleshoot challenges within student groups by implementing a plan of action that respects their diversity of circumstances while increasing their success in the course

Graduate Teaching Assistant

Sep 2016 – Dec 2016

School of Environmental Sciences, University of Guelph

Guelph, ON

Course: **ENVS 3020 (Pesticides and the Environment)**

Enrolment: 120 (F16)

Course description: The course addressed the role and use of pesticides by various facets of society and the effect of these pesticides on biological activities in the environment

- Helped over 100 third-year undergraduate students understand the role and use of pesticides by various facets of society and the effect of these pesticides on biological activities in the environment

Guest Teacher

Nov 2015 – Jun 2016

Westwood Public School, Upper Grand District School Board

Guelph, ON

Course: **The Human Temple**

Enrolment: 50 (F15–W16)

Course description: In a world where physical existence is given so much emphasis, this text explores those inner powers that distinguish the human being from all other things in creation

- Introduced Ontario's second public elementary school to the Junior Youth Spiritual Empowerment Program as a classroom subject
- Mentored 50 seventh and eighth grade students to be critical thinkers; enthusiastic for service to the community; capable of making statements about reality around them through speech and writing; help each other to succeed by fostering an environment of mutual support and trust; illustrate their understanding on a subject through creative means (e.g. drama, visual, and music)

Guest Teacher

Sep 2014 – Jun 2015

Gateway Drive Public School, Upper Grand District School Board

Guelph, ON

Course: **The Human Temple**

Enrolment: 45 (F14–W15)

Course description: In a world where physical existence is given so much emphasis, this text explores those inner powers that distinguish the human being from all other things in creation

- Introduced Ontario's first public elementary school to the Junior Youth Spiritual Empowerment Program as a classroom subject
- Mentored 45 seventh and eighth grade students to be critical thinkers; enthusiastic for service to the community; capable of making statements about reality around them through speech and writing; help each other to succeed by fostering an environment of mutual support and trust; illustrate their understanding on a subject through creative means (e.g. drama, visual, and music)

Guest Teacher

Sep 2013 – Jun 2014

Gateway Drive Public School, Upper Grand District School Board

Guelph, ON

Course: **Thinking About Numbers**

Enrolment: 40 (F13–W14)

Course description: The text aims to help young people both further their capability of making numerical statements about reality around them and also think about the social dimensions of statements regarding the world

- Introduced Ontario's first public elementary school to the Junior Youth Spiritual Empowerment Program as a classroom subject
- Mentored 40 seventh and eighth grade students to be critical thinkers; enthusiastic for service to the community; capable of making statements about reality around them through speech and writing; help each other to succeed by fostering an environment of mutual support and trust; illustrate their understanding on a subject through creative means (e.g. drama, visual, and music)

3.2 Individual Lectures**Guest Lecturer**

Nov 2018

School of Environmental Sciences, University of Guelph

Guelph, ON

Course: **UNIV 6800 (University Teaching: Theory and Practice)**

Enrolment: 3 (F18)

Lecture description: This lecture introduced some principles of ecotoxicology. Students used these principles to: criticize and reflect on a product pitched to ©ABC's Shark Tank, and design a preliminary experiment to investigate a real-world problem. This lesson was designed for an upper-year level course, and required participants to engage in an active learning environment (e.g. consultation with peers).

Guest Lecturer

Sep 2017

School of Environmental Sciences, University of Guelph

Guelph, ON

Course: **ENVS 6470 (Multiple Stressors and Cumulative Effects in the Great Lakes: An NSERC CREATE Program to Develop Innovative Solutions through International Training Partnership)**

Enrolment: 15 (F17)

Lecture description: This lecture investigated the topic of cyanobacteria by describing its history and survival, point and non-point sources driving its formation, eutrophication, and the production of toxic microcystins, all within the context of the Great Lakes

SECTION 4 – STUDENT ADVISING

4.1 Student Mentoring

Gabrielle Hankins Sep 2019 – Apr 2020

Bachelor of Science (B.Sc.), University of Guelph

Research Topic: Distinguishing the toxicokinetics between intracellular and extracellular microcystin exposure to rainbow trout (*Oncorhynchus mykiss*)

Kate Hubbs Sep 2019 – Apr 2020

Bachelor of Science (B.Sc.), University of Guelph

Research Topic: Distinguishing the toxicokinetics between intracellular and extracellular microcystin exposure to rainbow trout (*Oncorhynchus mykiss*)

Polina Konopelko Sep 2019 – Apr 2020

Bachelor of Science (B.Sc.), University of Guelph

Research Topic: Distinguishing the toxicokinetics between intracellular and extracellular microcystin exposure to rainbow trout (*Oncorhynchus mykiss*)

Michael Sarnacki Sep 2019 – Apr 2020

Bachelor of Science (B.Sc.), University of Guelph

Research Topic: Distinguishing the toxicokinetics between intracellular and extracellular microcystin exposure to rainbow trout (*Oncorhynchus mykiss*)

Damon Strong Sep 2019 – Apr 2020

Bachelor of Science (B.Sc.), University of Guelph

Research Topic: Distinguishing the toxicokinetics between intracellular and extracellular microcystin exposure to rainbow trout (*Oncorhynchus mykiss*)

Angela Vander Eyken Sep 2019 – Apr 2020

Bachelor of Science (B.Sc.), University of Guelph

Research Topic: Distinguishing the toxicokinetics between intracellular and extracellular microcystin exposure to rainbow trout (*Oncorhynchus mykiss*)

Alexis Knight May 2018 – Apr 2020

Master of Science (M.Sc.), University of Guelph

Research Topic: Generational adaptability of *Daphnia magna* to cell-bound microcystins

Nicholas Mok Sep 2018 – Dec 2018

Bachelor of Science (B.Sc.), University of Waterloo

Research Topic: Cellular adaptation and toxin production of 5 cyanobacterial species from Picton Harbour in low- and high-nitrogen environments in the laboratory

Samantha Gene

Aug 2018 – Dec 2018

Bachelor of Science (B.Sc.), University of Guelph

Research Topic: Impact on survival and growth of freshwater mussels exposed to cell-bound microcystin-LR

SECTION 5 – PUBLICATIONS AND PRESENTATIONS

5.1 Refereed Journal Publications

1. Tabatabaei Anaraki M, **Shahmohamadloo RS**, Sibley PK, MacPherson KA, Bhavsar SP, Simpson AJ, 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*. doi.org/10.1016/j.scitotenv.2020.140209
2. **Shahmohamadloo RS**, Simmons DBD, Sibley PK. 2020. Shotgun proteomics analysis reveals sub-lethal effects in *Daphnia magna* exposed to cell-bound microcystins produced by *Microcystis aeruginosa*. *Comp. Biochem. Phys. D*. doi.org/10.1016/j.cbd.2020.100656
3. **Shahmohamadloo RS**, Ortiz Almirall X, Bhavsar S, Poirier DG, Sibley PK. 2020. Assessing the toxicity of cell-bound microcystins on freshwater pelagic and benthic invertebrates. *Ecotox. Environ. Safe*. doi.org/10.1016/j.ecoenv.2019.109945
4. **Shahmohamadloo RS**, Ortiz Almirall X, Holeton C, Bhavsar S, Poirier DG, Sibley PK. 2019. Adopting a culture technique to produce and sustain high concentrations of microcystins by *Microcystis aeruginosa* in laboratory. *MethodsX*. doi.org/10.1016/j.mex.2019.10.024
5. Gene SM, **Shahmohamadloo RS**, Ortiz X, Prosser RS. 2019. Effect of *Microcystis aeruginosa*-associated microcystin-LR on the survival of 2 life stages of freshwater mussel (*Lampsilis siliquoidea*). *Environ. Toxicol. Chem*. doi.org/10.1002/etc.4527
6. **Shahmohamadloo RS**, Lissemore L, Prosser RS, Sibley PK. 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*. doi.org/10.1016/j.scitotenv.2017.01.067
7. **Shahmohamadloo RS**, Lissemore L, Prosser RS, Sibley PK. 2016. Evaluating the effects of triclosan on three field crops grown in four formulations of biosolids. *Environ. Toxicol. Chem*. doi.org/10.1002/etc.3712
8. Prosser RS, Lissemore L, **Shahmohamadloo RS**, Sibley PK. 2015. Effect of biosolids-derived triclosan and triclocarban on the colonization of plant roots by arbuscular mycorrhizal fungi. *Sci Total Environ*. doi.org/10.1016/j.scitotenv.2014.12.014

5.2 Invited Scholarly Addresses and Conference Presentations

1. Reimagining Food Systems: Driving Action for a Post-COVID World. 2020. Eat Forum and Rockefeller Foundation Event, virtual platform. **Invited to attend as Semi-Finalist in 2050 Food System Vision Prize**. Our proposal was highlighted 3 times during the event.
2. **Shahmohamadloo RS**, Simmons DBD, Sibley PK. 2020. Shotgun proteomics analysis reveals sub-lethal effects in *Daphnia magna* exposed to cell-bound microcystins produced by *Microcystis aeruginosa*. Poster presentation. International Association for Great Lakes Research Conference, virtual platform.

3. Knight A, Ortiz X, Bhavsar S, **Shahmohamadloo RS**, Sibley PK. 2020. Transgenerational development of microcystin toxin tolerance in *Daphnia magna*. Platform presentation. International Association for Great Lakes Research Conference, virtual platform.
4. Sibley PK, **Shahmohamadloo RS**. 2020. Building Resiliency in Agricultural Landscapes: A Conceptual Framework Focused on Risk Management. Poster presentation. Society of Environmental Toxicology and Chemistry Europe 28th Annual Meeting, Dublin, Leinster, Ireland.
5. Gene SM, **Shahmohamadloo RS**, Ortiz X, Prosser RS. 2019. Effect of *Microcystis aeruginosa*-associated microcystin-LR on the survival of 2 life stages of freshwater mussel (*Lampsilis siliquoidea*). Platform presentation. Canadian Freshwater Mollusc Research Meeting, Burlington, ON, Canada.
6. **Shahmohamadloo RS**, Ortiz X, Simmons D, Bhavsar S, Sibley P. 2019. Assessing the differences in uptake and depuration potential of intra- and extracellular microcystins in *Salvelinus namaycush* and *Oncorhynchus mykiss*. Poster presentation. Society of Environmental Toxicology and Chemistry North America 40th Annual Meeting, Toronto, ON, Canada.
7. **Shahmohamadloo RS**, Ortiz X, Holeton C, Bhavsar S, Poirier D, Sibley P. 2019. An efficient and affordable laboratory method to produce and sustain high concentrations of microcystins by *Microcystis aeruginosa*. Poster presentation. Society of Environmental Toxicology and Chemistry North America 40th Annual Meeting, Toronto, ON, Canada.
8. **Shahmohamadloo RS**, Poirier DG, Ortiz X, Simmons D, Stevack K, Bhavsar S, Sibley P. 2018. *Microcystis aeruginosa* adversely impacts *Daphnia* spp.: Posing risks to food webs of the Great Lakes. Poster presentation. Society of Environmental Toxicology and Chemistry North America 39th Annual Meeting, Sacramento, CA, United States.
9. **Shahmohamadloo RS**, Poirier DG, Ortiz X, Holeton C, Bhavsar S, Sibley P. 2018. *Microcystis aeruginosa* adversely impacts aquatic biota: Posing risks to users of the Great Lakes. Platform presentation. Ontario Federation of Anglers and Hunters, Fisheries Advisory Committee Meeting, Peterborough, ON, Canada.
10. **Shahmohamadloo RS**, Poirier DG, Ortiz X, Simmons D, Stevack K, Bhavsar S, Sibley P. 2018. *Microcystis aeruginosa* adversely impacts *Daphnia* spp.: Posing risks to food webs of the Great Lakes. Platform presentation. International Association for Great Lakes Research Conference, Toronto, ON, Canada.
11. Karakolis EG, Nguyen B, Ortiz X, **Shahmohamadloo RS**, Sibley P, Sinton D. 2018. Microplastics can adsorb microcystins. Platform presentation. Interdisciplinary Freshwater Harmful Algal Blooms Workshop 2nd Annual Meeting, Toronto, ON, Canada.
12. Simmons D, **Shahmohamadloo RS**, Tabatabaei Anaraki M, Chong-Kit R, Poirier D, Ortiz X, Jobst K, Reiner E, Simpson A, Simpson M. 2017. Proteome responses of microcystin-exposed *Daphnia magna*. Platform presentation. Interdisciplinary Freshwater Harmful Algal Blooms Workshop 2nd Annual Meeting, Toronto, ON, Canada.
13. Simmons D, **Shahmohamadloo RS**, Tabatabaei Anaraki M, Chong-Kit R, Poirier D, Ortiz X, Jobst K, Reiner E, Simpson A, Simpson M. 2017. Proteome responses of microcystin-exposed *Daphnia magna*.

Platform presentation. Interdisciplinary Freshwater Harmful Algal Blooms Workshop 2nd Annual Meeting, Toronto, ON, Canada.

14. **Shahmohamadloo RS**. 2017. The accumulation and toxicology of microcystins in Great Lakes species. Scholarly address. Rochman-Sinton Collaborative Lab Meeting, University of Toronto, Toronto, ON, Canada.
15. Simmons D, **Shahmohamadloo RS**, Tabatabaei Anaraki M, Chong-Kit R, Poirier DG, Ortiz X, Jobst K, Reiner E, Simpson A, Simpson M. 2017. Proteome responses of microcystin-exposed *Daphnia magna*. Platform presentation. Canadian Ecotoxicity Workshop, Guelph, ON, Canada.
16. **Shahmohamadloo RS**. 2017. A resourceful approach to managing sewage sludge: An effects-based look at the micro-constituents in land-applied biosolids. Platform presentation. FarmSmart Conference: Municipal Biosolids Beneficial Use Education Day, Milton, ON, Canada.
17. **Shahmohamadloo RS**. 2016. Evaluating the effects of triclosan on field crops and arbuscular mycorrhizal fungi in biosolids-amended soil. Platform presentation. Water Environment Association of Ontario Annual Residuals and Biosolids Conference, Calgary, AB, Canada.
18. **Shahmohamadloo RS**. 2015. Evaluating the effects of triclosan on field crops and arbuscular mycorrhizal fungi in biosolids-amended soil. Platform presentation. Water Environment Association of Ontario Annual Residuals and Biosolids Seminar, Toronto, ON, Canada.
19. **Shahmohamadloo RS**. 2015. Evaluating the effects of triclosan on field crops and arbuscular mycorrhizal fungi in biosolids-amended soil. Platform presentation. Society of Environmental Toxicology and Chemistry North America 36th Annual Meeting, Salt Lake City, UT, United States.
20. **Shahmohamadloo RS**. 2014. Evaluating the effects of triclosan on field crops and arbuscular mycorrhizal fungi in biosolids-amended soil. Platform presentation. Canadian Ecotoxicity Workshop 41st Annual Meeting, Ottawa, ON, Canada.

5.3 Technical Reports

McCarthy, LH. 2015. Land application of municipal biosolids: assessment of ecological impacts and characterization of priority ESOs. Canadian Water Network. Named Highly Qualified Personnel and Contributor in report.

5.4 Books

Shahmohamadloo RS. Gateway. Afnán Library Trust, United Kingdom.

SECTION 6 – SERVICE

6.1 University and Departmental Committees

Member of Undergraduate Curriculum Committee Sep 2018 – Present
School of Environmental Sciences, University of Guelph Guelph, ON

- Review, revise, and approve course curriculum proposed by faculty members

Member of Communications and Outreach Committee Sep 2016 – Present
School of Environmental Sciences, University of Guelph Guelph, ON

- Demonstrate strong written communication skills through the promotion of the department’s innovative work using social media channels
- Organize an annual symposium on sustainability that attracts 50 to 100 people from the public
- Coordinate special topics lectures for the department led by experts from within and outside the university

Member of Search Committee for Assistant Professorship May 2017 – Jun 2018
School of Environmental Sciences, University of Guelph Guelph, ON

- Selected and hired top candidate for a tenure track professorship in the department after an intensive process of interviewing 3 candidates and screening over 50 applications
- Trained to avoid bias in the screening process by attending human rights and diversity workshop

Member of Search Committee for Canada 150 Research Chair Aug 2017 – Sep 2017
School of Environmental Sciences, University of Guelph Guelph, ON

- Selected and recommended top candidate for a Canada 150 Research Chair in the department

6.2 Workshops and Symposium Organization

Member of Organizing Committee May 2019 – Mar 2020

Event: **4th Interdisciplinary Freshwater Harmful Algal Blooms Workshop**
 Logistics: April 21–23, 2020, Toronto, ON
 Registration: 100–150 participants

Member of Organizing Committee May 2019 – Oct 2019

Event: **School of Environmental Sciences 10th Anniversary**
 Logistics: October 15, 2019, University of Guelph, Guelph, ON
 Registration: 50–100 participants

Member of Organizing Committee May 2018 – May 2019

Event: **3rd Interdisciplinary Freshwater Harmful Algal Blooms Workshop**
 Logistics: April 24–26, 2019, University of Toronto, Toronto, ON
 Registration: 100–150 participants

Member of Organizing Committee

Sep 2017 – Apr 2018

Event: **2nd Interdisciplinary Freshwater Harmful Algal Blooms Workshop**
 Logistics: April 16–18, 2019, University of Toronto, Toronto, ON
 Registration: 100–150 participants

Member of Organizing Committee

Sep 2017 – Mar 2018

Event: **2018 Kenneth Hammond Lecture & Spring Sustainability Symposium**
 Logistics: March 25, 2018, University of Guelph, Guelph, ON
 Audience: 50–100 participants

Member of Organizing Committee

Sep 2016 – Mar 2017

Event: **2017 Kenneth Hammond Lecture & Spring Sustainability Symposium**
 Logistics: April 19, 2017, University of Guelph, Guelph, ON
 Audience: 50–100 participants

6.3 Broader Community

Mentor and Trainer

Sep 2007 – Sep 2016

Junior Youth Spiritual Empowerment Program

Guelph, ON

- Mentored and trained over 20 youth (ages 18 – 30) to assist over 100 early adolescents (ages 12 – 15) study a series of educational materials offered by the International Bahá'í Community that will provide them with the elements of a conceptual framework that will guide their choices and actions as they mature into adults

SECTION 7 – GRANTS AND AWARDS

7.1 Grants

Rockefeller Foundation's 2050 Food System Vision Prize (Semi-Finalist) Dec 2019 – Present
 Amount: \$200,000 USD New York City, NY
 Proposal: *Envisioning a food system based on truly integrative agricultural practices for 2050*

- Out of over 1,300 submissions from 199 countries we were selected as one of the top 76 Semi-Finalists in The Food System Vision Prize, a \$2 million global prize funded by The Rockefeller Foundation.
- Partnered with the City of Guelph, Ecological Farmers Association of Ontario (EFAO), Alternative Land Use Services (ALUS) Canada, Arrell Food Institute (University of Guelph), and the Ontario Soil and Crop Improvement Association (OSCIA) to develop a framework outlining a set of practices that will maximize food production and minimize environmental footprints
- Invited to attend global event Reimagining Food Systems: Driving Action for a Post-COVID World, hosted by the Eat Forum and the Rockefeller Foundation Event. Our proposal was highlighted 3 times during the event.

Ontario Federation of Anglers and Hunters Fisheries Research Grant Mar 2018
 Amount: \$4,000 CAD Peterborough, ON

- Successfully awarded \$4,000 research grant to support Ph.D. research on fish and wildlife topics that helped to improve Ontario's resource management

7.2 Lifetime Academic, Research and Extracurricular Honours

Date	Award Title	Type of Award	Terms of Award
2020	IAGLR Research Scholarship	National	\$2,000 /1 year
2019	Ontario Graduate Scholarship	Provincial	\$15,000 /1 year
2018	SETAC North America Student Travel Award	National	\$400 award to assist with travel expenses to SETAC conference
2018	Ontario Graduate Scholarship	Provincial	\$15,000 /1 year
2017	NSERC CREATE Scholarship	Institutional	\$21,000 /2 years
2017	NSERC CREATE Tri-Council Scholarship	Institutional	\$5,000 /2 years
2016	Graduate Excellence Entrance Scholarship	Institutional	\$30,000 award to highest quality student in Ontario Agricultural College
2016	University Graduate Scholarship	Institutional	\$3,000 /3 years
2015	SETAC North America Best Presenter	National	\$500 award to 2 nd place best presenter

Award			
2015	SETAC North America Student Travel Award	National	\$500 award to assist with travel expenses to SETAC conference
2014	OSCIA Research Scholarship	Provincial	\$1,000 award to outstanding student conducting research in soil and crop management
2013	André Auger Citizenship Award	Institutional	One award to student who has consistently demonstrated commitment toward community worthy of notice
2011	Tony Blair Institute for Global Change – Film Contest, Winner	International	Two awards for music video promoting oneness of humanity

SECTION 8 – MEDIA

8.1 Selected Media Coverage

1. University of Guelph News. U of G Future Food Vision a Semi-Finalist for International Prize. <https://news.uoguelph.ca/2020/06/u-of-g-future-food-vision-a-semi-finalist-for-international-prize/>
2. One Health Institute, University of Guelph. Feature Research Story — Meet René Sahba Shahmohamadloo. <https://onehealth.uoguelph.ca/feature-research-stories/>
3. School of Environmental Sciences, University of Guelph. New research shows invertebrates can be harmed by cyanobacteria. <https://www.uoguelph.ca/ses/news/2020/01/new-research-shows-invertebrates-can-be-harmed-cyanobacteria>
4. Council of Ontario Universities. Research Matters: Fourth-year course builds partnerships between students and communities. <http://yourontarioresearch.ca/2018/01/fourth-year-course-builds-partnerships-students-communities/>
5. Influent. Municipal Biosolids Beneficial Use Education Day. p. 69
6. The AgriNews. Triclosan not a threat. p. 37
7. Ontario Farmer. Off-cited biosolids risk disproven. p. B19
8. AGCanada. Triclosan not a threat to food chain: study addresses concerns about treated sewage as fertilizer. <https://www.agcanada.com/daily/triclosan-not-a-threat-to-food-chain-study/>
9. Ontario Soil and Crop Improvement Association. Triclosan not a threat to food chain. <http://www.ontariosoilcrop.org/blog/2016/07/18/triclosan-not-a-threat-to-food-chain/>