



Urban Water TMU - December 2022

Student Showcase

UW Students Joseph Aladekoyi and Yena Bassone-Quashie Receive 2023 Geoffrey F. Bruce Graduate Fellowships in Canadian Freshwater Policy!



Congratulations Joseph and Yena on being awarded the 2023 Geoffrey F. Bruce Graduate Fellowships in Canadian Freshwater Policy. Joseph's research is supervised by Dr. Kim Gilbride and focuses on "an evaluation of Canada's policies related to contaminants of emerging concern and pharmaceuticals." Yena's research is supervised by Dr. Carolyn Johns and focuses on "the fundamental shift needed to incorporate climate change into municipal water policies and water management to increase flood resilience." [Read more about Joseph and Yena's work here.](#)

Do you have a notable achievement you would like to share with us? Share the details with us at urbanwater@ryerson.ca. We would love to feature you on our socials.

Spotlight on UW Events

Healthy Water, Healthy City Webinar: Recording Now Available



On Nov 23rd, UW researchers Darko Joksimovic, Claire Oswald, Stephanie Melles, and Barry Orr, delivered an impactful message about the effects of modern urban life on water systems.

Many thanks to our UW researchers, as well as Pamela Robinson, Interim Director of City Building TMU for moderating this webinar.

If you missed the webinar, you can find the recording here: <https://www.youtube.com/watch?v=g-crqujB7rE>

Great turn out for AIMday Water 2022!

Thank you to all UW researchers that attended AIMday Water on Nov 24th. The event was a huge success and hosted 52 researchers from 12 universities, and stakeholders from 13 organizations presenting 19 questions throughout the day resulting in 30 expressions of interest so far!

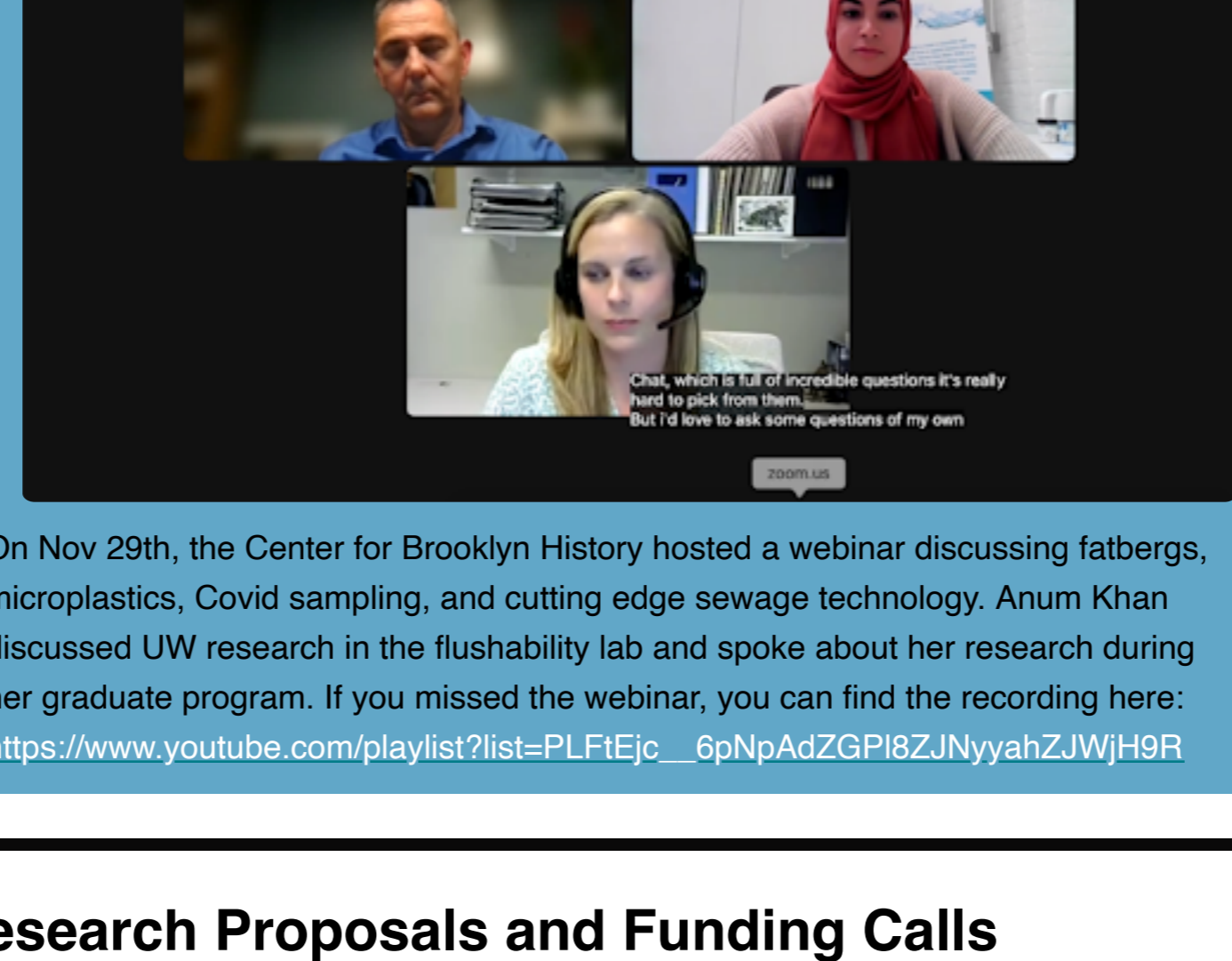
If you would like to submit an Expression of Interest (EOI) for a potential research collaboration based on the session you attended, please email Lisa Leung at lisa.leung@ryerson.ca to request a link to the EOI.

Advance HE: Urban Water Lab Tour

On Nov 15th, TMU hosted the Top Management Programme, a visiting delegation of leaders from 400 post-secondary institutions in the UK. Angela Murphy toured the delegation through the Urban Water Analytical and Experimental Labs and described how the collaborative spaces are funded and supported by TMU leadership.

See more info on the program here: <https://www.advance-he.ac.uk/>

CBH Talk Webinar on Sewers: Messages from the Underground



On Nov 29th, the Center for Brooklyn History hosted a webinar discussing fatbergs, microplastics, Covid sampling, and cutting edge sewage technology. Anum Khan discussed UW research in the flushability lab and spoke about her research during her graduate program. If you missed the webinar, you can find the recording here: https://www.youtube.com/playlist?list=PLFIEj_c__6pNpAdZGPI8ZJNyyahZJWjH9R

Research Proposals and Funding Calls

Current Funding Calls

Upcoming

- Catalyst Grant for the 2022 CPHO report: Mobilizing Public Health Action on Climate Change in Canada
 - Expected to launch **Fall 2022**
- 2023 International Joint Initiative for Research in Climate Change Adaption and Mitigation
 - Expected to launch **January 2023**

Active

- RISE - Globalink Research Internship
 - Call opens: **November 1, 2022**
 - Application deadline: **December 15, 2022** (5:59 PM ET)
- Habitat Stewardship Program for Aquatic Species at Risk
 - To apply to the HSP program, please send EOIs and/or proposals to DFO.HSPORP-PIHROP.MPO@df-mpo.gc.ca
 - EOI deadline: **November 14, 2022**
 - Deadline to submit a proposal: **December 16, 2022**
- FOS Dean's Research Fund - Post-Doctoral Fellowship Program (DRF-PDF)
 - Guidelines are detailed here
 - Applications are being accepted until: **November 30, 2022** (3:00PM)
- Partnership Engage Grant
 - Deadline: **December 15, 2022** (8:00PM EST)
- SRC Connection Grants
 - Deadline: **February 1, 2023** (8:00PM EST)
- Mitacs Elevate Call for Proposals - 2yr Postdoctoral Fellow Opportunity
 - Internal deadline: draft applications are due to Leslie Bone no later than **January 23, 2023**
 - Mitacs application deadline: **February 8, 2023** (5:00PM PT)
- NSERC Alliance International Catalyst Grants
 - No deadline, applications accepted on a rolling basis
- NSERC Alliance Internation Collaboration Grants
 - No deadline, applications accepted on a rolling basis

[View All SRC Funding Calls](#)

Upcoming Meetings - Urban Water Researchers Please Join Us

Urban Water Advisory Board Meeting

- Dec 6th 2022 (1:00 - 2:30PM), CUI-219

Urban Water TMU Monthly Meetings

- Jan 16th 2023 (1:00 - 1:45PM), CUI-219
- Feb 13th 2023, (1:00 - 1:45PM), CUI-219
- Mar 13th 2023 (1:00 - 1:45PM), CUI- 219

Upcoming Urban Water TMU Seminars

Urban Water TMU external seminars are held throughout the academic year, with guest speakers from various organizations and research institutes. Please see details below for upcoming seminars.

Wednesday December 7, 10-11AM

Dr. Aashna Sharma from the Wildlife Institute of India will be joining us virtually to discuss her research on freshwater ecology in the Himalayas.

Zoom link:
<https://ryerson.zoom.us/j/93796973612?pwd=MTVhV1RkdE9DNWVrbzhCVeFKenZlUT09>

[Add this event to your Google Calendar](#)

Wednesday January 18, 1-2PM

Dr. Rachel Rosenberg Goldstein from the University of Maryland School of Public Health will be joining us to discuss her interdisciplinary work on water quality, including the most effective ways to communicate about water quality, and the perceptions and behaviors related to water use. Seminar details to follow.

[Add this event to your Google Calendar](#)

Wednesday February 15, 1-2PM

Dr. Todd Howell from the Ontario Ministry of Environment, Conservation and Parks will be speaking on government research on nearshore water quality and ecology in the Great Lakes. Seminar details to follow.

[Add this event to your Google Calendar](#)

Wednesday March 15, 1-2PM

Dr. Diana Kanwan from the Department of Forest Resources at the University of Minnesota will be speaking about an urban tree ecohydrology focused project she is involved with as part of the new Minneapolis-St. Paul Metropolitan Area Long Term Ecological Research project. Seminar details to follow.

[Add this event to your Google Calendar](#)

Recent Publications of Full Members

Full Members are highly involved in the Centre and are regular contributors to Urban Water research projects and initiatives. Check out our Full Member publications in November below and past publications on our UW website: <https://www.torontomu.ca/water/about/publications/>

E. Archer, E. Holton, J. Fidal, B. Kasprzyk-Hordern, A. Carstens, L. Brocker, T.R. Kjeldsen, **G.M. Wolfaardt**, Occurrence of contaminants of emerging concern in the Eerste River, South Africa: Towards the optimisation of an urban water profiling approach for public- and ecological health risk characterisation, *Science of The Total Environment*, Volume 859, Part 1, 2023, 160254, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2022.160254>.

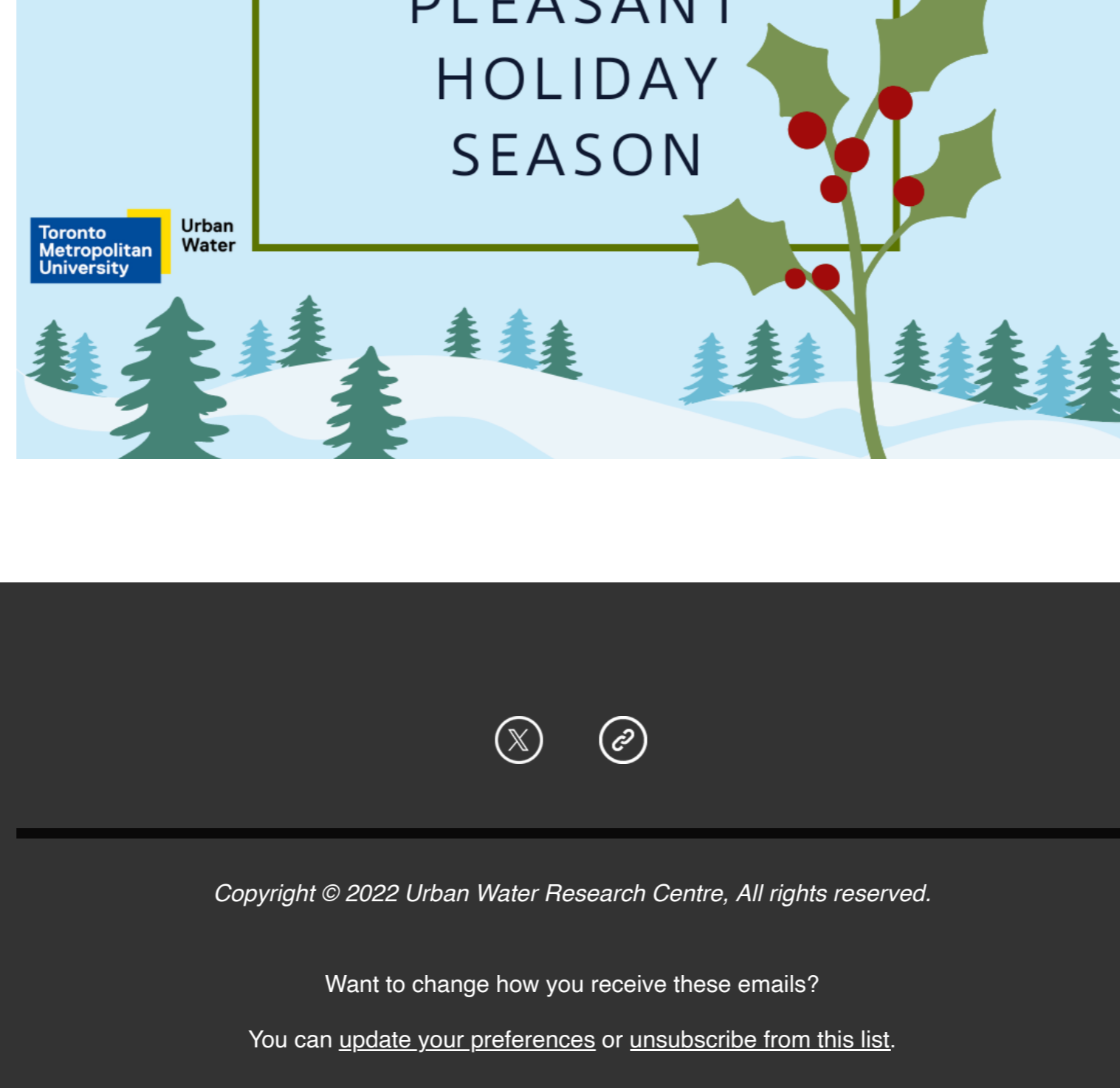
Farokh Laqa Kakar, **Steven N. Liss**, **Elsayed Elbeshbisy**, Differential impact of acidic and alkaline conditions on hydrothermal Pre-treatment, fermentation and anaerobic digestion of sludge. *Water Sci Technol* 2022; wst2022368. doi: <https://doi.org/10.2166/wst.2022.368>.

Kakar, F.L., **Liss, S.N.**, and **Elbeshbisy, E.** (2022), Hydrothermal Pre- and Interartment for Anaerobic Digestion of Municipal Sludge, *Journal of Environmental Engineering*, Vol. 149, Issue 1 (January 2023), 2022 American Society of Civil Engineers, [https://doi.org/10.1061/\(ASCE\)EE.1943-7870.0002051](https://doi.org/10.1061/(ASCE)EE.1943-7870.0002051).

Kakar, F.L., Tadesse, F., **Elbeshbisy, E.**, Comprehensive Review of Hydrothermal Pretreatment Parameters Affecting Fermentation and Anaerobic Digestion of Municipal Sludge. *Processes*. 2022; 10(12):2518. <https://doi.org/10.3390/pr10122518>.

Natalie Sims, Elizabeth Holton, Edward Archer, Marelize Botes, **Gideon Wolfaardt**, Barbara Kasprzyk-Hordern, In-situ multi-mode extraction (IMME) sampler for a wide-scope analysis of chemical and biological targets in water in urbanized and remote (off-the-grid) locations. *Science of The Total Environment*, 2022, 160034, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2022.160034>.

[See Our Full Member Publications](#)



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