





Urban Water TMU - December 2023

Seminar and Networking Event with OneWater Research Centre, York University

YORK U Tuesday November 7th, 2023
1:00 – 3:00pm in CUI-219
Virtually via [Zoom](#)

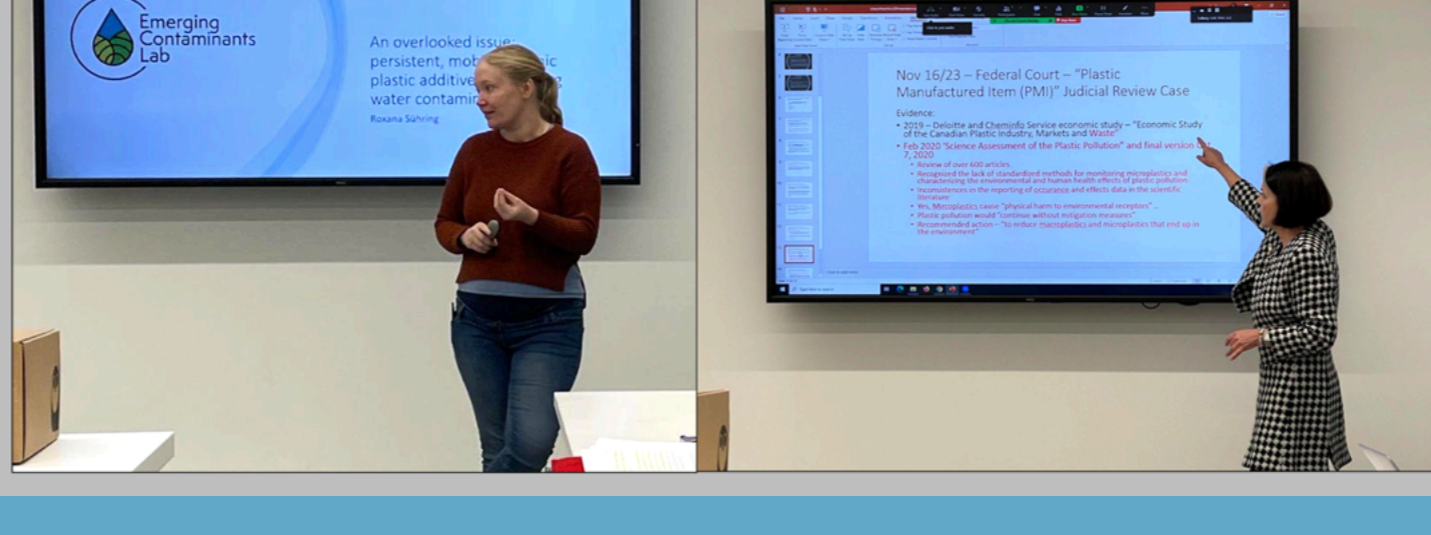
On November 7th, Urban Water hosted OneWater Research Centre from York University in a seminar and networking session. Drs. Satinder Brar, Sapna Sharma, Stephanie Gora, Caroline Duncan, Ali Asgary, Mahta Fazlyab, Jose Etcheverry, Ali Doostmohammadi and other water researchers from York University presented their work.

OneWater has diverse research interests including: the bioremediation of wastewater, climate change impacts (i.e., lake ice loss), decentralized water systems, the link between hazards such as floods and contaminants, and Indigenous drinking water contamination.

The Event was well attended by Urban Water researchers and HQP and included dynamic discussions about potential research collaborations as well as a tour of Urban Water spaces. A reciprocal event is being planned at York University.

[See more information about OneWater here](#)

UW Student Leadership Committee - Faculty Seminar Series




On November 23rd, the Urban Water Student Leadership Committee hosted their inaugural seminar series! The event was well attended with a mixture of undergraduate and graduate students both in-person and online. Thank you for all of the interest and positive feedback!

Special thanks to **Drs. Patricia Hania, Claire Oswald, Janet Koprivnikar, and Roxana Suehring** who showcased their research and led some insightful discussions! From the jurisdictional challenges of managing plastics to understanding the flow pathways of chloride to the life cycles of aquatic parasites. So many challenges to be addressed! [For more information, please see the website here](#)

Stay tuned as we look forward to welcoming you all to more seminars in the New Year!

Dr. Roxana Suehring presenting plastic additives research (left) Dr. Patricia Hania showcasing the jurisdictional challenges in managing plastics (right).

Urban Water TMU at the National Water and Wastewater Conference 2023



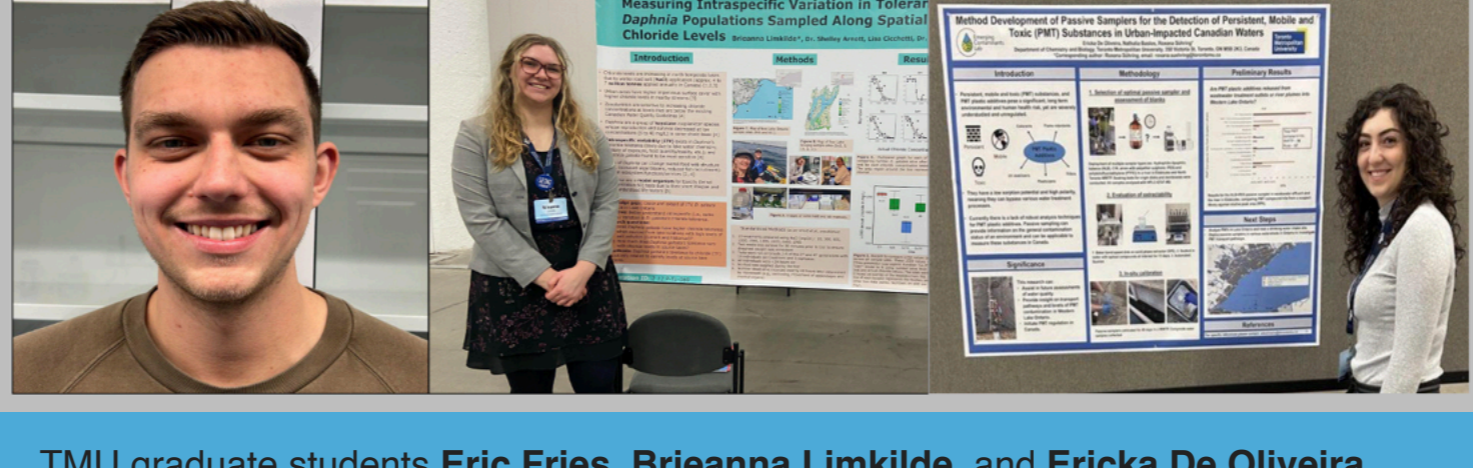
On Nov 14th, Urban Water co-lead a session entitled **"Ontario's Water Nexus: Bridging Academia, Enterprise, and Municipalities"** at the Canadian Water and Wastewater Conference in Niagara Falls.

The session featured presentations and panel discussions with speakers from private enterprises, academia, and municipalities to articulate best practices, challenges, and pathways for successful partnerships.

Huge thanks to Rahim Kanji for his exceptional planning, and **Angela Murphy, Rania Hamza, and Elsayed Elbeshbisy** for their teamwork and presentations.

[For more information, please see the website here](#)

Urban Water Grad Students attend SETAC conference in Louisville, Kentucky




TMU graduate students **Eric Fries, Brieanna Limkilde, and Ericka De Oliveira** attended the 44th annual Society of Environmental Toxicology and Chemistry (SETAC) conference held in Louisville, Kentucky from November 12-16th.

Not only did they share their research through poster sessions and research presentations, but they also had the chance to contribute to dynamic discussions with international experts on a variety of topics, from microplastics to aquatic toxicity tests, and network with researchers from all around the world!

[See the online meeting platform here](#)

Eric Fries who presented his research at SETAC (left), Brieanna Limkilde and her poster (middle), and Erika De Oliveira and her poster (right).

Highlighting Stephanie Melles' Research on Freshwater Salinization



Urban Water researcher Dr. Stephanie Melles is continuing her research on freshwater salinization as part of the Global Salt Initiative! For the past year, Dr. Melles and her grad student Brieanna Limkilde have conducted tests on wild zooplankton (i.e., *Daphnia*) collected from Lake Ontario and Lake Scugog. Stay tuned for the collaborative results that will soon be submitted for peer-review publication!

[For more information, please see the website here](#)

Brieanna Limkilde in the culture holding room (left) Dr. Melles and Brieanna out on Lake Ontario collecting zooplankton (right).

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 their recent publications below and [a full list of publications on the UW website linked here.](#)

Cartwright, L. A., Moslenko, L., Chin, A., Vignes, G. D., Chomicki, K. M., Anderson, K., Seters, T. V., Ruppert, J., Macleod, D., Erich, N. [...] **Oswald, C.** (2023). Local factors and sources affecting freshwater chloride concentrations in the Toronto region. *Journal of Great Lakes Research*, 102235. <https://doi.org/10.1016/j.jglr.2023.09.006>

Klopper, K. B., Bester, E., Schalkwyk, M. V., & **Wolfaardt, G. M.** (2023). Highlighting the limitations of static microplate biofilm assays for industrial biocide effectiveness compared to dynamic flow conditions. *Enviro Microbiol Rep.* Advance online publication. <https://doi.org/10.1111/1758-2229.13214>

Mitchell, C. P. J., **Oswald, C. J.**, & Ledford, S. H. (2023). Editorial: Biogeochemical dynamics in urban streams: interactions, feedbacks and cumulative effects. *Front Environ Sci*, 11. <https://doi.org/10.3389/fevns.2023.1338537>

[See Our Full Member Publications](#)

