

Toronto
Metropolitan
University

Urban
Water

Urban Water TMU - October 2023

JetIce rink installation is underway!



Researcher **Stefania Impellizzeri** is collaborating with **JetIce** to develop more sustainable ice rink paint materials and practices for ice making. The chemistry and analytical work are being performed in the Urban Water Analytical Lab, while new formulations will be tested on ice rink surfaces in the Urban Water Experimental Lab!

Specialized cooling plates and a refrigerated enclosure have been built to serve the new research installation. We are now working with TMU IT to connect the computerized system to the TMU research network to monitor and analyze data from the ice rink surface.

Stay tuned for more updates!



Understanding Indigenous Identity in Water Research

In June 2023, we sat down with Caleb Wesley, Coordinator of Indigenous Knowledge & Science Outreach in the Faculty of Science to understand his unique perspective as an Indigenous educator. In our conversation with Caleb, we learned what brought him to reach out to Indigenous youth on water and environmental issues.

[Full video interview here](#)



Faculty of Science "On a Tangent" Podcast

The Faculty of Science TMU released its latest episode of "On a Tangent" which features TMU members Brooke Filsinger and Alacea Yerxa. Brooke and Alacea share their vision for the future of Indigenous Science and how they are working to decolonize science education.

[Listen to full podcast here](#)



Urban Water participated in the **Forum for Leadership on Water's "Future of Freshwater in Canada"** symposium held at Massey College on September 20th.

The event showcased water leaders in Canada speaking about timely water issues. Topics included: co-governance with Indigenous communities, the role of publicly accessible data, the Freshwater Action Plan, the next steps in the Canada Water Agency, and the development of First Nations Water and Wastewater Legislation to replace the repealed 2013 Act.

Lieutenant Governor of Ontario the Honourable Elizabeth Dowdeswell opened the symposium. Speakers included: Bob Sandford, John Pommeroy, Global Water Futures; Carolyn Dubois, Gordon Foundation; Mark Fisher, Council of the Great Lakes; Grand Chief Jerry Daniels; Daniel Wolfish, Canada Water Agency; Glenn Benoy, IJC; Merrell-Ann Phare, CIER and IJC; among other prestigious water leaders.

Urban Water Student Leadership Committee at the TMSU Campus Fair



On September 6th, the Urban Water Student Leadership Committee was joined by other student groups at the Campus Fair 2023. At the Fair, the Committee welcomed incoming students and described the Urban Water research centre and the activities of the community.

Brianna Limkilde (President), Ayub Abdulle (Treasurer/Secretary) and Social Media Coordinator (Kailyn Seo) at the event.

Upcoming Seminar

Dr. Steve Desrocher from Waterfront Toronto will be speaking on the Don Mouth Restoration Project, with a focus on the soil and environmental risk components on **Tuesday, October 17th at 1 PM in CUI-219.**

[See here for zoom link](#)

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.](#)

Durif, C. M. F., Arts, M., Bertolini, F., Cresci, A., Daverat, F., Karlsbakk, E., **Koprivnikar, J.**, Moland, E., Olsen, E. M., Parzanini, C., et al. (2023). The evolving story of catadromy in the European eel (*Anguilla anguilla*). *IJMS*, fsad149. <https://doi.org/10.1093/icesjms/fsad149>

Hyder, U., Alsayed, A., **Elbeshbisy, E.**, McPhee, J., & Misir, R. (2023). Iron and hydrogen peroxidation-induced post-treatment improvement of municipal mesophilic digestate in an alkaline environment and its impact on biosolids quality. 11(9), 2752. <https://doi.org/10.3390/pr11092752>

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Storm-Water Detention Assembly to Mitigate Urban Flooding. *Buildings* 2023, 13, 8.
<https://doi.org/10.3390/buildings13010008>.

Millar, E., **Melles, S.**, & Rinner, C. (2023). Screens, streams, and flows: implications of digital platforms for aquatic citizen science. *Geoforum*, 146(103864).
<https://doi.org/10.1016/j.geoforum.2023.103864>

See Our Full Member Publications

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