

The logo for Toronto Metropolitan University, featuring the text "Toronto Metropolitan University" in white on a blue rectangular background. To the right of the blue box is a yellow L-shaped graphic element.

Urban Water

Urban Water TMU - January 2024

Urban Water is awarded Cluster Mitacs Fellowships for Blue Roof Study!



Urban Water is partnering with Credit Valley Conservation to monitor the new Smart Blue Roof on CVC Headquarters!

Researchers and PhD students from public health, architecture, and civil engineering are coming together in this **2 year** multidisciplinary project.

The study is being funded by a grant from the Federation of Canadian Municipalities and a cluster of Mitacs Fellowships (three 2-year Fellowships).

[Please see more information on our website here](#)

Urban Water TMU at the Green Infrastructure Research Symposium

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Urban Water researcher Hitesh Doshi and graduate students Zahra Khan (*left*) and Ariel Zhu (*right*) presented at the Green Infrastructure Research Symposium which was hosted by **Green Roofs for Healthy Cities** virtually on October 25th, 2023.

This symposium focused on sustainable solutions for urbanized areas with current advances in green infrastructure research. Zahra discussed the use of raised vegetative systems on green rooftops and Ariel discussed the detention performance of blue roofs.

[Please see more information on our website here](#)

International Association for Great Lakes Research Conference Abstract Deadline is January 22, 2024 (today!)



The 67th annual International Association for Great Lakes Research (IAGLR) conference is taking place in Windsor on **May 20-24th, 2024**. The theme of this

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surrounding our Great Lakes.

If you are interested in submitting an abstract for their session titled: “*Urban Aquatic Ecosystems: Foes or Allies in the Conservation of the Laurentian Great Lakes?*” [please submit here by the deadline](#)

Upcoming Seminars

The following seminars will take place in **CUI-219**. For those unable to join in person, a zoom link is provided below. More information to come!

Feb 13th @1 pm- Teresa Kramarz, School of the Environment, University of Toronto. <https://torontomu.zoom.us/j/99048729735?pwd=TE5rSUJ2eE5FbkZGVUhLeHcwczdlQT09>

Mar 12th @1 pm- Mike MacKay, Great Lakes Institute for Environmental Research, University of Windsor. <https://torontomu.zoom.us/j/97264972428?pwd=WXVxQnM1YUpTT1FUUFZxalMwcERoUT09>

Apr 16th @2 pm- Tao Wen, Earth and Environmental Sciences, Syracuse University. <https://torontomu.zoom.us/j/94559218096?pwd=WGR2alNFMm5SS0lha0JUN0hOc1JmQT09>

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.](#)

Asheghmoalla, M., & Mehrvar, M. (2023, December 04-06). *Removal of pharmaceuticals from single and multicomponent wastewater by activated carbon* [Conference presentation abstract]. 4th International Conference on Environmental Science and Applications (ICESA'23), Lisbon, Portugal. https://avestia.com/ICESA2023_Proceedings/files/paper/ICESA_152.pdf

Eslami, R., Azizi, N., Santhirakumaran, P., Mehrvar, M., Zarrin, H. (2024). 3D dual network effect of alkalized MXene and hBN in PVA for wearable strain/pressure sensor applications. *J Chem Eng*, 480. <https://doi.org/10.1016/j.cej.2023.148063>

Kakar, F. L., Omari, A. A., Muller, C. D., & Elbeshbishy, E. (2023). *Integrated thermal hydrolysis and vacuum digestion for treating fluid using a biochemical process* (United States Patent No. 0382777). US Peroxide LLC. <https://patents.google.com/patent/US20230382777A1/en>

Parsa, Z., Dhib, R., & Mehrvar, M. (2023, December 04-06). *Design of a process control for the degradation of polyvinyl alcohol (PVA) in a UV/H₂O₂ Photoreactor* [Conference presentation abstract]. 4th International Conference on Environmental Science and Applications (ICESA'23), Lisbon, Portugal. https://avestia.com/ICESA2023_Proceedings/files/paper/ICESA_153.pdf

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