

Faculty Name:

Ngai Yin Yip

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Lab:

Separation Innovations Lab

Project Title:

Investigation of Point-of-Use Systems from a Major Online Retail Platform

Description:

Point-of-use (POU) drinking water (DW) treatment systems are rapidly gaining popularity and supplanting centralized treatment facilities as the final safety barrier before consumption. Because POU DW systems are currently not regulated, retailers often make unsubstantiated claims about the enhancements to water quality. There are presently no rigorous scientific studies on the effectiveness of POU DW systems sold through Amazon.com and other online retailers. As such, false advertising and other socially irresponsible marketing practices are left unchecked, potentially compromising public health and safety. This proposed project aims to evaluate the water purification performance of four popular POU systems retailed on Amazon.com using technically robust standard methods and compare the results with claims made by the manufacturers.

Location of Research:

On Site

of hrs/week:

40

Department/Program:

Earth and Environmental Engineering

Eligibility:

BS, First Year, BS, Second Year, BS, Third Year

To apply, please contact:

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