



Claire Anderson

Postdoctoral Scholar, Civil and Environmental Engineering

 Curriculum Vitae available Online

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BIO

As a PhD Candidate in the Boehm Lab, my work centers on enveloped viruses, with a particular focus on understanding their persistence in the environment, transmission dynamics, and intervention strategies, especially in resource-constrained environments. Beyond my academic pursuits, I'm dedicated to increasing diversity, equity, and inclusion through outreach programs for students in every level of their education.

STANFORD ADVISORS

- Alexandria Boehm, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Sunlight Inactivation of Enveloped Viruses in Clear Water.** *Environmental science & technology*
Anderson, C. E., Boehm, A. B.
2023
- **Enveloped and non-enveloped virus survival on microfiber towels.** *PeerJ*
Anderson, C. E., Wolfe, M. K., Boehm, A. B.
2023; 11: e15202
- **Investigating the Efficacy of Various Handwashing Methods against Enveloped and Non-Enveloped Viruses.** *The American journal of tropical medicine and hygiene*
E Anderson, C., Tong, J., Zambrana, W., B Boehm, A., K Wolfe, M.
2023
- **Controlling contaminants using a far-UVC-based advanced oxidation process for potable reuse** *Nature Water*
Yin, R., Anderson, C., Zhao, J., Boehm, A., Mitch, W.
2023: 555–562
- **Quantifying the Viral Reduction Achieved Using Ash and Sand as Handwashing Agents.** *The American journal of tropical medicine and hygiene*
Zambrana, W., Tong, J., E Anderson, C., B Boehm, A., Wolfe, M. K.
2022
- **Viral pathogens in urban stormwater runoff: Occurrence and removal via vegetated biochar-amended biofilters.** *Water research*
Graham, K. E., Anderson, C. E., Boehm, A. B.
2021; 207: 117829
- **Transfer rate of enveloped and non-enveloped viruses between fingerpads and surfaces.** *Applied and environmental microbiology*
Anderson, C. E., Boehm, A. B.
2021: AEM0121521

- **Effects of an urban sanitation intervention on childhood enteric infection and diarrhea in Maputo, Mozambique: A controlled before-and-after trial.** *eLife*
Knee, J., Sumner, T., Adriano, Z., Anderson, C., Bush, F., Capone, D., Casmo, V., Holcomb, D., Kolsky, P., MacDougall, A., Molotkova, E., Braga, J. M., Russo, et al
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