UNIVERSITY OF DELAWARE

THE DEPARTMENT OF PLANT AND SOIL SCIENCES CORDIALLY INVITES YOU TO A SEMINAR ON

"FROM MOLECULAR GEOCHEMISTRY TO POLICY: HOW MANGANESE CONTRIBUTES TO DRINKING WATER CONTAMINATION"

Dr. Sam Ying

University of California, Riverside

FRIDAY, DECEMBER 2ND, 2022. AT 12:20PM-1:15PM

132 TOWNSEND HALL

HOST: DR. ANGELIA SEYFFERTH

https://udel.zoom.us/j/96749039110

If you would like to meet with Dr. Sam Ying individually, please email Angelia Seyfferth (angelias@udel.edu) with your available time slots.

Synopsis: In this presentation, Dr. Ying will present some of the key geochemical processes that cause arsenic and manganese to enter groundwater and then move into an analysis of who is disproportionately accessing metals-contaminated drinking water in CA. The results show that many domestic (private) well communities are accessing manganese contaminated water and that many of those communities are characterized as economically disadvantaged. Secondly, they show that even communities accessing treated, public water (community water systems) are not all being served safe drinking water, with smaller water systems having the most exceedances of health-based concentration limits. The aim of this presentation is to provide an overview of some of The Dirty Lab's multi-scale research on water quality and hope that you might find ways to collaborate with us!

Bio: Sam is the co-director of the University of California Planetary Health Center and director of Latinxs & the Environment program at University of California, Riverside. They are an assistant professor in the Environmental Sciences department and participating faculty member in a number of graduate programs including environmental toxicology, microbiology, and biomedical sciences. Their research group, the Dirty Lab, focuses on metals contamination of drinking water and soil, the processes that cause metals to get into these resources, and how they disparately impact vulnerable communities.