Environmental Sciences Graduate Program Student Seminar Series

Microbial Indicators of Latent Dampness (MOLD) in House Dust

Neeraja Balasubrahmaniam

February 26th, 2021

During the ESGP Poster Forum

2:00 PM – 3:30 PM

Zoom info:
https://osu.zoom.us/j/96610903160?pwd=WGc3TDFLKzMwc3RzdVg4MXNRbUoxdz09

Meeting ID: 966 1090 3160
Password: 919292

Abstract

Exposure to mold in housing costs close to $22 billion per year in the United States, affecting occupant health, especially children, in buildings with moisture problems (Mudarri, et al. 2016). However, currently, there does not exist a measurement technique to characterize mold growth in homes. Previous studies have shown each home having a signature microbial ‘footprint’ or unique group of microbial communities and this has made it difficult to identify mold growth indicators based on a specific species. The goal is to understand microbial processes in damp building by focusing on identifying mold growth indicators that are universal to fungal species, potentially products from microbial secondary metabolic pathways. This poster aims to demonstrate ways to understand moisture related microbial processes in damp homes and its associated health effects.