

Seoul National University Graduate School of Public Health, Department of Environmental Health Environmental Health Engineering Lab

We use physical and biological engineering approaches to solve environmental health problems

Our laboratory, consisting of 1 Ph.D. student from South Korea, 1 Master's student from China, 1 Assistant Researcher from India, and 1 Assistant Professor from Japan, has just launched on August, 2012. Our research interests include; i) aerosol science and engineering, ii) environmental microbiology, iii) urban air quality studies, and iv) public health studies with emphasis on exposure science and indoor air quality. We apply molecular biology-based techniques such as quantitative PCR and next-generation sequencing (NGS) to characterize microbial communities in indoor and outdoor environments. Our ongoing projects include an epidemiological study on fungal allergies and a study on the effects of biocides on the properties and community structures of fungi in residential environments. We hope we can gain new insights into indoor microbiomes using cutting-edge technologies such as NGS, and I hope my students enjoy new discoveries with their research. For more details, please contact Dr. Yamamoto.

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Laboratory room