

# Human and Environmental Security Symposium

Date and Time: 13:30-17:15, June 6th, 2024

Venue: 3rd Floor Conference Room, Main Building of the Graduate School of Environmental Studies, Tohoku University

(Aoba 468-1, Aramaki, Aoba-ku, Sendai, Miyagi 980-8572, Japan)

Organizer: Wastewater Information Research Center (WIRC), Tohoku University



## Program:

- 13:30-13:35 Opening Remarks by Prof. Daisuke Sano, WIRC Director,  
Tohoku University
- 13:35-15:35 Environmental Virology Session
- 13:35-14:20 Prof. Albert Bosch, University of Barcelona  
Wastewater surveillance of enteroviruses and SARS-CoV-2 in Spain
  - 14:20-15:05 Prof. Helen Nguyen, University of Illinois Urbana-Champaign  
Harnessing the power of genomics in designing detection methods for viruses
  - 15:05-15:35 Ms. Aken Puti Wanguyun, Tohoku University  
Susceptibility of virus populations to disinfectants
- 15:35-16:00 Break
- 16:00-17:30 Environmental Security Session
- 16:00-16:30 Dr. Wakana Oishi, Tohoku University  
Environmental predictive microbiology for treatment and safe use of sanitation products
  - 16:30-17:00 Dr. Mohan Amarasiri, Tohoku University  
Antibiotic resistant bacteria and their genes in aquatic environments and

possible inactivation methods

17:00-17:30 Ms. Sewwandi Bandara, Tohoku University

Determination of environmental, socio-economic, water, sanitation,  
and hygiene factors associated with infectious disease incidence

17:30-17:35 Closing Remarks by Prof. Daisuke Sano

18:00-20:00 Networking at Buddy's Table