

Division of Geosciences and Civil Engineering	Research field	Environmental Risk Control Engineering	Lab. ID GC15
Laboratory web site	http://env.w3.kanazawa-u.ac.jp/risk/eng/ □		
Research subjects			
Environmental Risk Control Engineering Lab addresses various health-related water environmental problems to achieve sustainable water use. Our research topics stretch widely from the micromolecular investigation into membrane bioreactors for wastewater treatment and toxicological assessment of reclaimed water, to field surveys at the local and oversea wastewater treatment plans, rivers, lakes, groundwaters, etc. In recent years, we have a particular interest in the origin and dynamics of antibiotic resistance genes in the aquatic environment, as well as on the treatment and monitoring of PFAS, known as 'forever chemicals'. Key words: Wastewater-based epidemiology, biological treatment, membrane filtration process, unregulated chemicals, antibiotic resistance, water environment in Asia. For more details, please vist our website.			
Our laboratory aims to develop your capacity as a engineer/researcher. What we expect you to develop are: 1. To find and understand reliable information/knowledge; 2. To get the required knowledge from the collected information/data based on logical thinking; 3. To propose solutions or methodology to achieve the objective, by employing full of your knowledge and the collected information/data, and vise versa; 4. To obtain grounding of an environmental engineer.			
Regular meetings: Research group meeting: biweekly Laboratory seminar: depends on activity which changes every year Joint seminar with water environment laboratory: twice in a month Happy hours: occasionally (typically, once per 2-3 months)			
Daily life in the laboratory, etc.			
We are a multinational team. Foreign students and Japanese students stay together in one office and asked to work together in research and experiments. We also have collaboration with other laboratories on water engineering and chemical engineering. Research meeting with faculty is basically held in English.			
Message or comments by the laboratory faculty staffs			
I encourage students to develop not only your capacity through thesis research, but also international friendship. We have experience to accept foreign students and staff from various countries like China, Vietnam, Thailand, Cambodia, Indonesia, India, Sri Lanka, Bangladesh, Pakistan as well as Japan. We welcome foreign students with good motivation and ambitions!			
Laboratory mail address	rhonda *at* se.kanazawa-u.ac.jp, hiroeyh *at* kanazawa-u.ac.jp		