

Division of Environmental Design	Research field	Environmental and Biomass Process Engineering	Lab. ID
			ED17
Laboratory web site	http://www.ce.t.kanazawa-u.ac.jp/~honda/		
Research subjects			
<p>Environmental & Biomass Process Engineering Lab. aims to develop processes to produce energy and biomass resources from wastewater and solid waste. We also perform field surveys on burdens to water environment in Southeast Asia. Please visit our laboratory's website for more details.</p>			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
<p>Our laboratory aims to develop your capacity as a engineer/researcher. What we expect you to develop are:</p> <ol style="list-style-type: none"> 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 acheive the objective, by employing full of your knowledge and the collected information/data, and vise versa; 4. To obtain grounding of an environmental engineer. <p>Regular meetings:</p> <p>Research group meeting: biweekly</p> <p>Whole laboratory meeting: monthly</p> <p>Joint seminar with water environment and soil environment laboratory: monthly</p> <p>Happy hours: occasionally (typically, once per 1-2 months)</p>			
Daily life in the laboratory, etc.			
<p>We are a multinational team from China, Vietnam, Cambodia and Indonesia as well as Japan. 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, solid waste engineering and chemical engineering. Research meeting with faculty is basically held in English.</p>			
Message or comments by the laboratory faculty staffs			
<p>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, Thailand, Vietnam, Cambodia and Indonesia as well as Japan. We welcome foreign students with good motivation and ambitions!</p>			
Recent Master theses in these 3 years (+ more if appropriate)			
year.month	Thesis title (including English translation of Japanese thesis title)		
2017.9	Effect of vanillin on treatment performance and extracellular polymeric substances in a conventional activated sludge process		
2017.3	Detection of N-acyl homoserine lactones in activated sludge by thin-layer chromatography and fourier transform mass spectrometry		
2016.9	Effect of heat extraction on the heat generation rate of bamboo chip fermentation		
2016.3	Fate of antibiotic resistant Escherichia coli in an activated sludge process		
2015.9	Starch Production from Treated Sewage by Microalgae Cultivation in a Sequential-batch Membrane Photobioreacto		
2015.9	Factors Affecting Population of Antibiotic-resistant Escherichia coli in Lake Environment		
2015.3	Improvement of nutrients supply for enhanced microalgae biomass production from treated sewage		
Recent Doctoral theses in these 3 years (+ more if appropriate)			
year.month	Thesis title (including English translation of Japanese thesis title)		
Laboratory mail address	rhonda *at* se.kanazawa-u.ac.jp		