

Division of Mechanical Science and Engineering	Research field	Recycle and Environmental Preservation	Lab. ID MS31
Laboratory web site			
Research subjects			
<p>Our laboratory belongs to Research Center for Sustainable Energy and Technology (RSET) , which was established in 2012. Main research subjects are research and development of highly efficient production of marine biomass for the construction of carbon recycling society in the future. Seaweed (Sargassaceous species, etc.) and microalga (Nannochloropsis sp.,etc.) are concrete targets for the production of marine biomass . Marine biomass are expected to be future biomass energy sources, food and feed, etc.. We are working for the development of innovative marine biomass (seaweed) production process, field experiments for the regeneration of marine environment of Noto Peninsula and the development of innovative industrial wastewater treatment process with marine biomass (microalgae) production.</p>			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
<p>Master course : In addition to the class of the master course standard, the seminar is held once a week. Sequentially, the member introduces research progress, presents the English references and argues with all other members freely. Based on the results of research activities in the M1, the theme of the master's thesis are reviewed and decided in spring of the M2. One or more presentations at a society once a year is recommended for master course members. And, the active participation of society activities is recommended.</p> <p>Doctor course : Doctor course students have to proceed research activities especially with the mind of independence and autonomy. In particular, one or more presentations in an international society and submitting their research papers to international magazines become essential.</p>			
Daily life in the laboratory, etc.			
<p>Personal working desk with a personal computer is available for every student. All relevant students (undergraduate, Master, and Doctor) share the laboratory rooms. All members are strongly encouraged by every day free discussion on research topics.</p>			
Message or comments by the laboratory faculty staffs			
<p>The basics of research activities are mind of independence and autonomy. However, health is most important. Please note to be healthy for research activities, and let's have a regular meal and moderate exercise. And, moderate rest, pastime, and smiles are necessary for your graduate school life. Let's enjoy your graduate school life, which is your limited period.</p>			
Recent Master theses in these 3 years (+ more if appropriate)			
year.month	Thesis title (including English translation of Japanese thesis title)		
2017.3	Study on High Quality Macroalgae Seedling Production Process Using Ultraviolet Radiation		
2017.3	Effect of Light Wavelength and Trace Iron on the Growth and Quality of Brown Algae		
2017.3	Efficient Production of Salt-tolerant Chlorella Using Steelmaking Industry Wastewater		
2015.3	Efficient Cultivation of Seaweed using Light-emitting Diodes		
2015.3	Effects of Chelated Iron on Growth and Photosynthetic Pigment of Sargassaceae Species		
2015.3	Efficient Cultivation of Marine Microalgae using Nutrients Control		
Recent Doctoral theses in these 3 years (+ more if appropriate)			
year.month	Thesis title (including English translation of Japanese thesis title)		
2017.9	The study of technological factors of environmental industry promotion of Eco-town projects -Focusing to Kitakyushu Eco-town project-		
Laboratory mail address		mikiosamu <mikiosamu *at* se.kanazawa-u.ac.jp>	