

Report for Hokkaido University (HU) visit


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Duration: From November 27, 2022 to December 2, 2022

Accommodation: Hotel Mystays Sapporo Station

Date	Activities	Remarks
November 27, 2022	Depart from BKK at 23:15	
November 28, 2022	<ul style="list-style-type: none">- Arrive Haneda, Tokyo at 6:55- Depart from Haneda, Tokyo at 10:00- Arrive Chitose, Sapporo at 11:35- In the afternoon, visit Faculty of Engineering, HU and discuss with Prof. Ken'ichiro Matsumoto and Dr. Đặng Minh Khánh about the experimental results that have been performed in HU by Dr. Đặng under the collaborative research on	

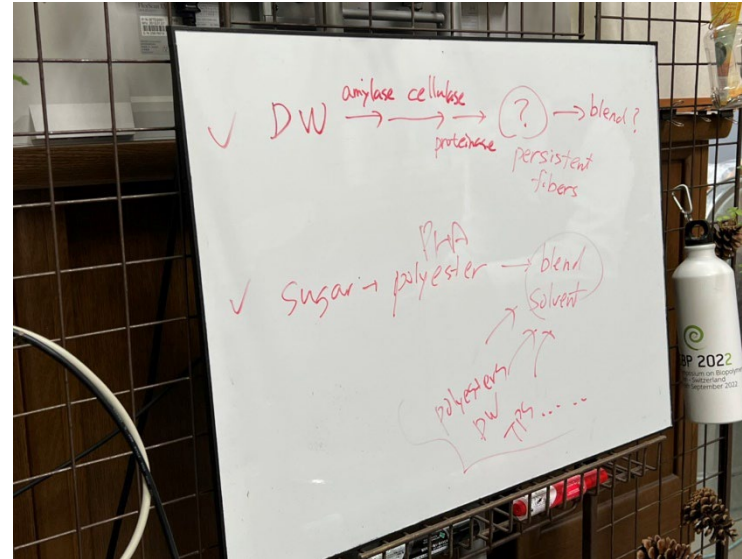
	PHBV/duckweed biomass composites	
November 29, 2022	<ul style="list-style-type: none"> - In the morning, give a seminar at Room B3-101, Faculty of Engineering, HU in the topic of “Development of bioplastic packaging materials based on thermoplastic starch blends” - Have lunch with Prof. Ken'ichiro Matsumoto - In the afternoon, visit Prof. Ken'ichiro Matsumoto's laboratory and discuss about future research collaboration relevant to mutual expertise. 	 <p>During giving a seminar</p>



During Q&A after presentation



Taking photos with the lab members of Prof. Ken'ichiro Matsumoto and Prof. Masaaki Morikawa, whom attended the seminar



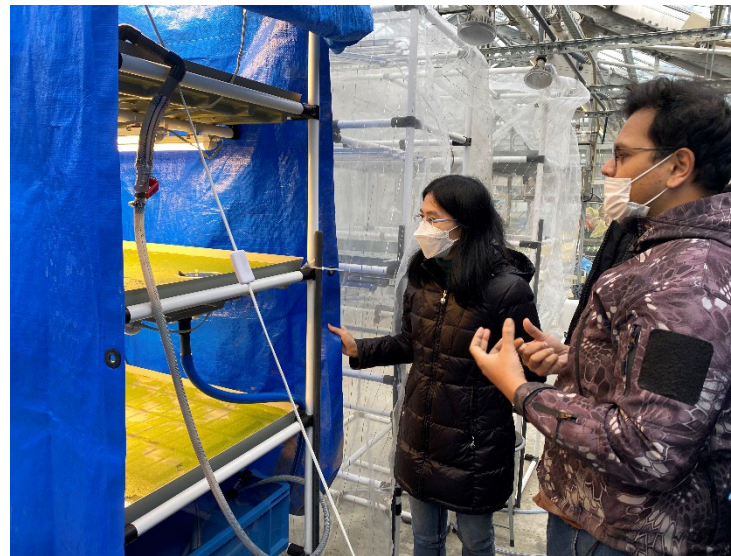
During discussion with Prof. Ken'ichiro Matsumoto to explore the approaches for future research collaboration

November 30, 2022

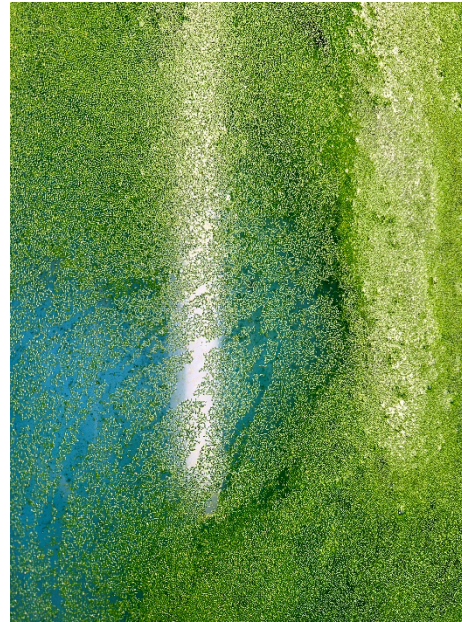
- In the morning, visit Prof. Masaaki Morikawa at the Graduate School of Environmental Earth Science, HU and discuss about duckweed holobiont and the parameters/factors (genus and species, environment condition, supplemented salts) to control the fraction between carbohydrate (starch) and proteins produced in duckweed
- Have lunch with Prof. Masaaki Morikawa
- In the afternoon, visit Prof. Masaaki Morikawa's laboratory, incubator, and greenhouse to see different scales of duckweed growing and discuss about my future research plan based on duckweed biomass under this project.



Having lunch with Prof. Masaaki Morikawa




Visiting greenhouse to see duckweed growing in a larger container



Duckweed growing in an incubator



Duckweed growing in the natural pond in HU. However, during visit the pond was full of leaves and snow, duckweed was probably under the leaves and snow.

		 <p>This is the same pond as the above picture taken previously by Prof. Masaaki Morikawa, where duckweed grew well.</p>
December 1, 2022	<ul style="list-style-type: none"> - In the morning, prepare report for HU visit - In the afternoon, have sightseeing 	
December 2, 2022	<ul style="list-style-type: none"> - Depart from Chitose, Sapporo at 10:00 (as planned, but delayed 3-4 h) - Arrive BKK at 15:50 (as planned, but delayed 3-4 h) 	