

23 May 2024

## The Project for Development of the Duckweed Holobiont Resource Values towards Thailand BCG Economy

### Report on activities in Bangkok and Khon Kaen (7 – 11 May 2024)

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From 7 May to 11 May 2024, visited Thailand leading Ms. Saimee Yuparat (PhD student, JICA long-term trainee) and Mr. Ziyang Li (PhD student) in order to share research progress with Thai counterparts, view the project sites and make a research presentation.

#### 7 May

Travelled to Bangkok, Thailand

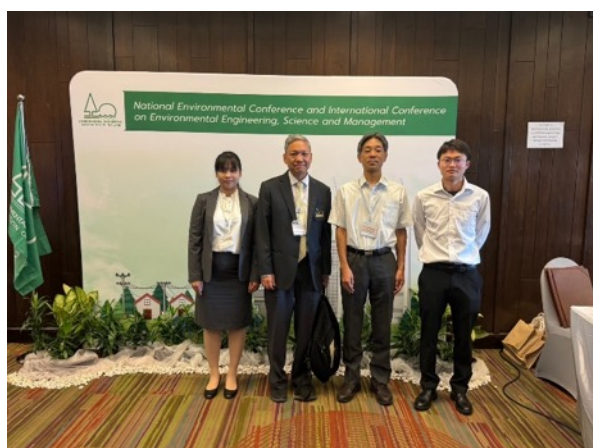
#### 8 May

Had a visit, guided by Dr. Chanita Boonmak and Dr. Kannika Duangmal (both are Be-HoBiD researchers, Faculty of Science, Kasetsart Univ.) to Duckweed Holobiont Resource & Research Center (DHbRC) in Faculty of Science, Kasetsart Univ. Bangkok. After the visit, shared research progresses of both Japan and Thailand sides and had intensive discussions about future research plans.



### 9 – 10 May

After moving to Khon Kaen, participated in 13<sup>th</sup> International Conference on Environmental Engineering, Science and Management, which was held concurrently with 23<sup>rd</sup> National Environmental Conference. In the conference, Ms. Saimee Yuparat made an oral presentation about her work “*Impact of Bacterial Communities on the Growth of the Rootless Duckweed (Wolffia globosa) and Their Recruited Bacteria Community from Surrounding Environment*” and discussed research progress with Dr. Chart Chiemchaisri (Be-HoBiD researcher, Faculty of Engineering, Kasetsart Univ.) who chaired the conference’s session of Ms. Saimee Yuparat’s presentation.



### 11 May

Revisited Bangkok and had a field trip to ADGreen corporation (a project member company) with Dr. Arinthip Thamchaipenet (Project Manager, Faculty of Science, Kasetsart Univ.) and students. In ADGreen, Dr. Metha Meetam (Be-HoBiD researcher, Faculty of Science, Mahidol Univ.) showed us Duckweed production facilities, explained the current situation of the production and offered us tasting of Duckweed ice cream and tea, which were one of ADGreen’s products.

After ADGreen, visited a floating market and an Orchid farm, which were possible destinations of the 7<sup>th</sup> International Conference on Duckweed Research and Applications (ICDRA)’s excursion program. The 7<sup>th</sup> ICDRA will be held in Bangkok in November 2024 and Kasetsart University and Be-HoBiD have been working as hosts of it.

Finishing all the schedule, left Bangkok for Japan at night.

