Research Activity Report
Supported by "Leading Graduate Program in Primatology and Wildlife Science"
(Please be sure to submit this report after the trip that supported by PWS.)

	2014. MM, DD
Affiliation/Position	Department of Botany, Graduate School of Science, Kyoto University/M1
Name	Chung-Kun Lee

1. Country/location of visit
Japan/Yakushima island
2. Research project
Field Science Course (Fig/insect group)
3. Date (departing from/returning to Japan)
2016. May. 21 – 2016. May. 27 (7days)
4. Main host researcher and affiliation
Dr. Hanya, Kyoto University
5. Progress and results of your research/activity (You can attach extra pages if needed)
Please insert one or more pictures (to be publicly released). Below each picture, please provide a brief description.

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【schedule】
May 21 Arrival at Yakushima
May 22 Sampling at Yoshida, observation and measurement at station
May 23 Sampling at Isso, observation and measurement at station
May 24 Sampling at Nagata, observation and measurement at station
May 25 Yakusugi Land, data analysis
May 26 Presentation
May 27 Leaving Yakushima

I was a member of fig/insect group of Yakushima field science course.
Methods and results of the research are omitted in this report.

May 21
We arrived at Yakushima airport before lunch, and went to Seibu Rindo, one of the research fields of Monkey group and Deer group. It was obvious that the flora was under strong influence of deer,

May 22
Research started. In field sampling, we moved by car and collected at each sampling "point". We collected syconia of Ficus pumila and F. microcarpa near human habitat in the morning, then we observed and dissected the syconia. We also prepared silica gel leaf samples for next Genome Science Course. We were divided into 3 subgroups when observation at the station.

May 23
Sampling in the morning and dissection in the afternoon. We collected syconia of F. superba and F. sarmentosa. One of sampling sites was a evergreen forest whose species diversity is far higher than that of Seibu Rindo. This forest was important to understand the flora of Yakushima. Especially I was so surprised to see a wild *Mussaenda* tree, which is usually treated tropical species. Also I was very happy to see *Hydrobryum punctilatum*, which is a bizarre liverwort-like flowering plant endemic to Yakushima.

May 24
We collected syconia of F. erecta and F. superba. Our skills of dissection and observation were greatly improved, so I started to think our first observations can possibly be inaccurate. We couldn't collect male syconia of F. erecta, which is in accordance with previous studies, and I started to think about ecological discussion of figs.

May 25
In search of F. sarmentosa, which were too small sample size, we went for Yakusugi Land, but we could not collect any more sample. For future study, we entered Yakusugi Land, which is in conifer-broadleaf forest. We saw Endemic *Eurya* and flowering *Chionographis*. We prepared for presentation on the next day so fast, so I had enough time to sleep. However, members who were in charge of statistical analysis stayed up all night, which made me so uneasy. I, who is only person from Department of Botany, was in charge of Discussion part.

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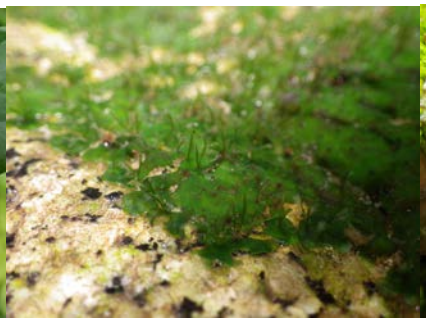
May 26
During the presentation, all of members spoke something for our improvement of English. It was very difficult, and I realized the necessity of training of English.

May 27
We returned to Kyoto. There was a lot of time before leaving Yakushima, we enjoyed Shiratani-Unsuikyo. I was pleased to see *Monotropastrum* myco-heterotrophic flowers and *Cordyceps* insect-parasitic fungus. I couldn't identify liverworts and mosses, but still I was overwhelmed by incredible diversity of them in Yakushima.

As mentioned above, this report omitted scientific contents. Results are to be reported at Asura International Seminar.

Members dissecting syconia

Mussaenda parviflora



Hydrobryum punctilatum

Diverse bryophytes

6. Others

Field Science Course was conducted with supports of "PWS Leading Graduate Program". I express my gratitude to lecturers, group members, and everyone who supported ,