

鹿大「進取の精神」支援基金 平成 29 年度 留学生受入推進事業
研究留学生受入推進プロジェクト 報告書

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1. 申請者 (所属・職名・氏名)	総合研究博物館・教授・本村浩之
2. 受入留学生 (国・大学・学年・氏名)	Philippines・University of the Philippines Visayas・2 年・Emmanuel S. Delloro Jr.
3. 留学生受入期間	2018 年 3 月～2018 年 8 月
4. プログラム研究分野	魚類学
5. 本プログラムの目的と概要 (申請者/日本語)	
<p>研究留学生のエマニュエル君は、フィリピンのオニオコゼ属魚類の「形態・分類」を修士論文の研究テーマにしている。しかし、フィリピンには「魚類分類学」の研究者がおらず、文献やネット情報をもとに試行錯誤しながら研究を進めていた。</p> <p>本プログラムでは、魚類の多様性が高い鹿児島において、研究留学生が採集調査を体験するとともに、採集された魚の標本作成から標本管理までを体得してもらう。そして、これら標本に基づく命名法や生物地理、分岐分類などを含む正統な分類学を学んでもらう。鹿児島大学で得た知識や経験、技術は、研究留学生が帰国後にフィリピンの魚類を研究する上で大いに役立つことが期待される。</p> <p>研究留学生が鹿児島大学に滞在中に修士論文の完成を目指す。具体的にはフィリピン産オニオコゼ属の種同定を試み、各種の性的二型や形態学的特徴を明らかにし、論文としてまとめる予定である。</p>	
6. <small>かごしまだいがく</small> 鹿児島大学での研究活動と成果 <small>けんきゅうかつどう</small> (Student/English or Japanese) <small>せいか</small>	
<p>Explain your activities and achievement for your research in Kadai.</p> <p>I studied the sexual differentiation of spotted stinger stonefish, <i>Inimicus sinensis</i> (Valenciennes, 1833) and description of a pore at the anterolateral surface of its body under the supervision of Prof. Hiroyuki Motomura. I brought preserved specimen from the Philippines. This study aims to determine if there are differences between male and female <i>I. sinensis</i> with their body morphology. Sexual dimorphism, the differences between sexes, had already been reported in other fishes but it was not yet reported in devil stinger (<i>Inimicus</i>) fishes. Additionally, the presence of the pore at the anterolateral surface of its body were recently revealed and used as an identification character of the fish but its description is not yet done. This study provides information on the morphology of the <i>I. sinensis</i> which is of great help in understanding its behavior and management purposes for its population.</p> <p>I also wrote a report regarding the first record of <i>Giganthias immaculatus</i> (Perciformes: Giganthiidae) from the Osumi and Tokara islands, Kagoshima Prefecture, Japan, with notes on sexual dimorphism. This report was already published in Nature of Kagoshima Journal with the help of my supervisor Prof. Hiroyuki Motomura and students working at Kagoshima University Museum.</p> <p>Aside from my research, I participated in the different activities that the school and the laboratory offered. I maximized my time here and spent it properly. My short stay here is a great opportunity for me to explore and challenge myself for my own improvement.</p>	

I enrolled in Japanese class and learned a lot from it. I enjoyed the lesson and understand not only the Japanese language but the culture as well. More importantly, I met new friends and communicated with them as a foreign student.

Our laboratory have been conducting a regular activities that enhanced and improved my skill as a fish technologist. Every Wednesday, there are regular activity in the laboratory which involves the different curatorial procedures for fish specimen such as; collection, documentation and proper preservation of fish.

I also joined the field survey at Suwanose Island last April 25-28, 2018. I learned a lot from that field survey. I learned the different ways of collecting fish and proper handling in order to have a good specimen. The skills that I acquired during that survey is very important because I can share it to other fish biologist or to those who are just simply interested in fishes.



Suwanose Island field survey. (*Left*) Fishing using hook and line. (*Right*) Nansai Maru research vessel.

Kagoshima University hosted the 54th annual Meeting of the Japanese Society of Systematic Zoology last June 9-10, 2018 spearheaded by Prof. Hiroyuki Motomura and the Arts and Sciences professors and staffs. Therefore, we are lucky enough to join the conference and expand our network by meeting new people. Professors, researchers and taxonomist with different expertise all around Japan gathered together and discussed their paper and field of expertise. The conference tackled the different issues and new discoveries in the field of taxonomy.

Insects, reptiles, parasites and fish were just some of the most discussed topics of the conference.



Participants of the 54th Annual Meeting of the Japanese Society of Systematic Zoology.

Regarding my research, I already finished the examination and description of my specimen, *Inimicus sinensis*. I also finished writing a report on it but revision is still ongoing. In addition, I also wrote a report of the first record of *Gigantias immaculatus* (Perciformes: Gigantiidae) from the Osumi and Tokara islands, Kagoshima Prefecture, Japan, with notes on sexual dimorphism and published it in Nature of Kagoshima Journal (<http://journal.kagoshima-nature.org/045-004>).

For the past six months, I can say that it was very memorable and fruitful. I really learned a lot, especially the attitude toward work and what really amazed me about the Japanese is their discipline and dedication with their work. It is a character that I want to develop because I believe that it will be my strength toward success.

I also want to extend my gratitude to those who spearheaded this program to study here in Kagoshima University. This program had given me a lot of opportunities to develop myself and to interact with other people. I hope that you continue doing this and support more students who also want to gain more knowledge and experience.