

A Report on Special Research Student at Prof. Sakai's Lab and Prof. Ukeda's Lab

Kraingkrai Ponghong

Chiang Mai University, Thailand

My name is Kraingkrai Ponghong and my nickname is Khag. I was a research student under the supervision of Professor Dr. Kate Grudpan in the analytical chemistry, Chiang Mai University. I received the scholarship from Thailand Research Fund through the Royal Golden Jubilee (RGJ) Ph.D. All students underneath of this foundation obviously obtain the great opportunity to study in aboard at least 6 months up to 1 year.

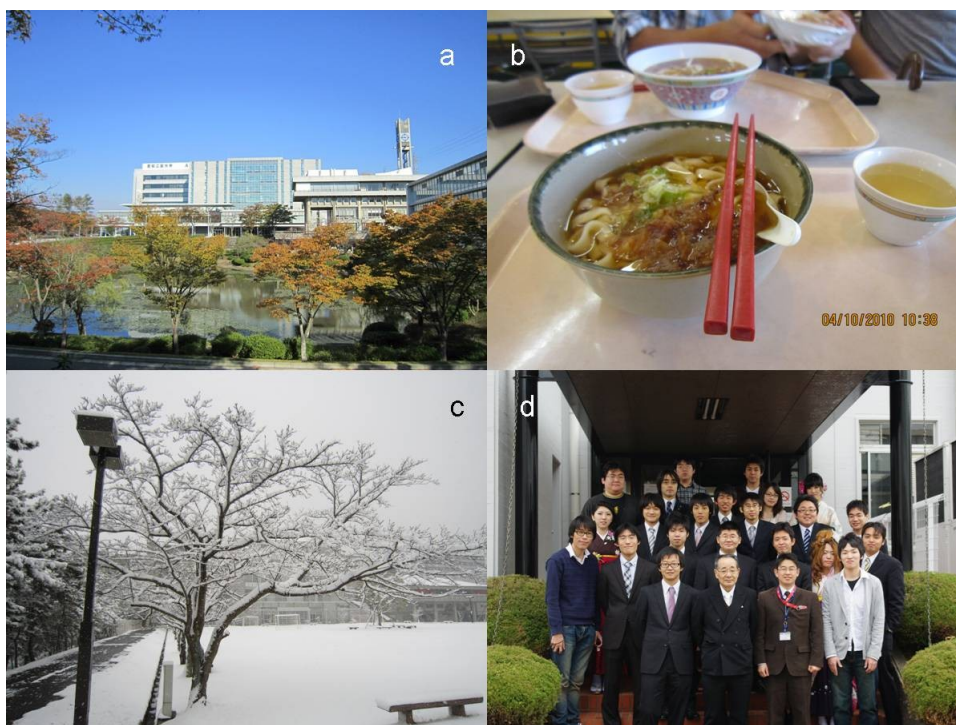
For me, I have excellent chances to researching at Japan for 1 year. Firstly, I worked at the Aichi Institute of Technology (AIT) for 6 months from October 2010 to March 2011 under supervision of Professor Dr. Tadao Sakai and Professor Dr. Norio Teshima. After that, I moved to research with Professor Dr. Hiroyuki Ukeda, Professor Dr. Keiro Higuchi, and Associated Professor Dr. Tomoko Shimamura at Kochi University for 6 months from April 2011 to September 2011. The stay was very exciting, because it was my first time to traveling to foreign country. I was worried about myself: "How can I alive at Japan?" and "How can I speak and communicate with Japanese peoples?" However, everything was going well because Japanese people were friendly, lovely, warmly and kindly.

My traveling started at Chiang Mai-Bangkok-Nagoya by the operation of Thai airway. When, I arrived at Chubu Centrair International Airport. Minoru san, a PhD student (recently he is now a Dr.) who had researched at Chiang Mai University,

Thailand, for 3 months. He picked me up at Nagoya airport to Yakuza dormitory in the AIT campus. First menu in Japan was Udong noodles which I could not eat well, but finally it has become my favorite Japanese food. Anyway, at Professor Sakai's lab I have developed novel analytical methods namely simultaneous injection effective mixing analysis systems for the determination of urinary samples based on diazo and ion association reactions. Their works were published in Talanta.

Furthermore, during I stayed at Nagoya, I had a wonderful time to visit many places such as Toyota city for shopping, Aichi children's center, Nagoya castle, Toyota car museum, and famous temples. I went to anywhere by local train namely Linimo (a magnetic levitation train) and my bicycle. And here, I firstly saw a snow scene which I never seen before. It looked like small ice. Surprisingly, I also had the special day at there on 13 October, since Sakai-sensei, Teshima-sensei, and labmates kindly celebrated my birthday. Everyone enjoyed cake and drinking. So, I would like to thank all of them who made this surprise to me.

One thing that I never forgot is the big earthquake at northeast of Japan on 11 Mar, 2011. A tsunam happened at even Tokushima where is located in southwest area of Japan. I could not find any words to say about these phenomena. I hope everything is going well to everyone in Japan.



a; Aichi Institute of Technology

b; my favorite food

c; snow at AIT

d; Sakai's Lab members

After I stayed at Professor Sakai's Lab for 6 months, I moved to Kochi University with another Thai student. Also, she was a PhD student from the Chiang Mai University. I traveled from Nagoya to Kochi by public bus. Associate Professor Dr. Tomoko Shimamura and a PhD student namely Kudo san (now he is a Dr. Kudo) picked me up at a bus stop. After that, the great experiences started at Kochi University beneath the supervision of Professor Dr. Hirouki Ukeda, Professor Dr. Keiro Higuchi, and Associate Professor Dr. Tomoko Shimamura. At Professor Ukeda's Lab, new analytical methods using sequential injection analysis system with spectrophotometry for the determination of the interested analytes in food were developed with the aids of reduces analysis time and enhances the automatic system under the valuable guidance, suggestions, comments and encouragements from many people who implicated. Here, I got lovely friendship from Japanese students who have canoodled me. Moreover, I saw cherry blossom which is famous flower called Sakura in Japanese. I never seen it before in anywhere. Another activity which I never forgot and I

really enjoyed is a visit to Kuroshio to learn the procedure to produce salt on a long weekend with Ukeda-sensei and Higuchi-sensei.

In 22-26 May 2011, I attended the IUPAC International Congress on Analytical Sciences 2011 [ICAS 2011] held in Kyoto International Conference Center. In this conference, I presented my research works entitled "Simultaneous injection effective mixing analysis system for urinary protein" and "Rapid assay of bone alkaline phosphatase in osteosarcoma with flow injection-bead injection system" in session of poster. Researchers, especially analytical chemists, from everywhere in the world participated in this conference. In this conference, I was very excited to talk and share with many professors who were expert in flow-based analysis. Furthermore, I also visited the famous temples in Kyoto, and Kyoto tower.

All of these, I was really impressed many things at Japan. It was the wonderful time for me. I obviously never forget them forever. And I have a chance, I will definitely visit Japan again. I promise!



a; Kochi University
b; Sakura flower
c; Kuroshio