

My experience in Kyushu University (August – November 2016)

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I am Kanokwan CHAROENKITAMORN, Ph.D. student under Prof. Orawon CHAILAPAKUL from Chulalongkorn University, THAILAND. I have visited Prof. Toshihiko Imato's laboratory, Kyushu University for 4 months from August to November. The topic of my work is "Electrogenerated chemiluminescence immunoassay for pesticides based on sequential injection analysis using carbon quantum dots". This work is focused on the combination of sequential injection (SI) immunoassay method with the electrogenerated chemiluminescence (ECL) detection technique using carbon quantum dots (CQDs) as ECL material and applied the combined immunoassay method to the determination of 3-phenoxy benzoic acid (3-PBA), the metabolite of pesticides derivative. For the preliminary results, I have done the study of ECL and electrochemical behavior of CQDs in batch and SI system. For the application to 3-PBA detection, I will try to continue this work when I am back to THAILAND.

On November 5, 2016, I have a chance to attend the 53rd Annual Meeting of Japanese Association for Flow Injection Analysis at Doshisha University, Kyoto. I presented my work by oral. That was the first time for me in Kyoto. After the conference, I have visited many places in Kyoto including Nijo Castle, Kinkaku-ji Temple, and Arashiyama. It was very nice places and I really enjoyed it. Moreover, when I got back to Fukuoka, I have gone to Dazaifu shrine with Prof. Imato and my friends who came from Russia. During my staying in Prof. Imato laboratory, Prof. Imato, staffs, and students in the laboratory are very kind. Although, I cannot speak Japanese, but it is no problem about the language. Every student try to speak English with me and they are support everything for my experiment. I got many experiences not only new skill in the laboratory but also the friendship and new point of view in Japan. Finally, I hope that if I have a chance, I will visit here again.



53rd Annual Meeting of Japanese Association for Flow Injection Analysis at Doshisha University, Kyoto.



Nijo Castle



Kinkaku-ji Temple



Arashiyama



Dazaifu shrine



Dazaifu shrine



Sha-bu Sha-bu restaurant at Tenjin



Farewell party on 21st November 2016