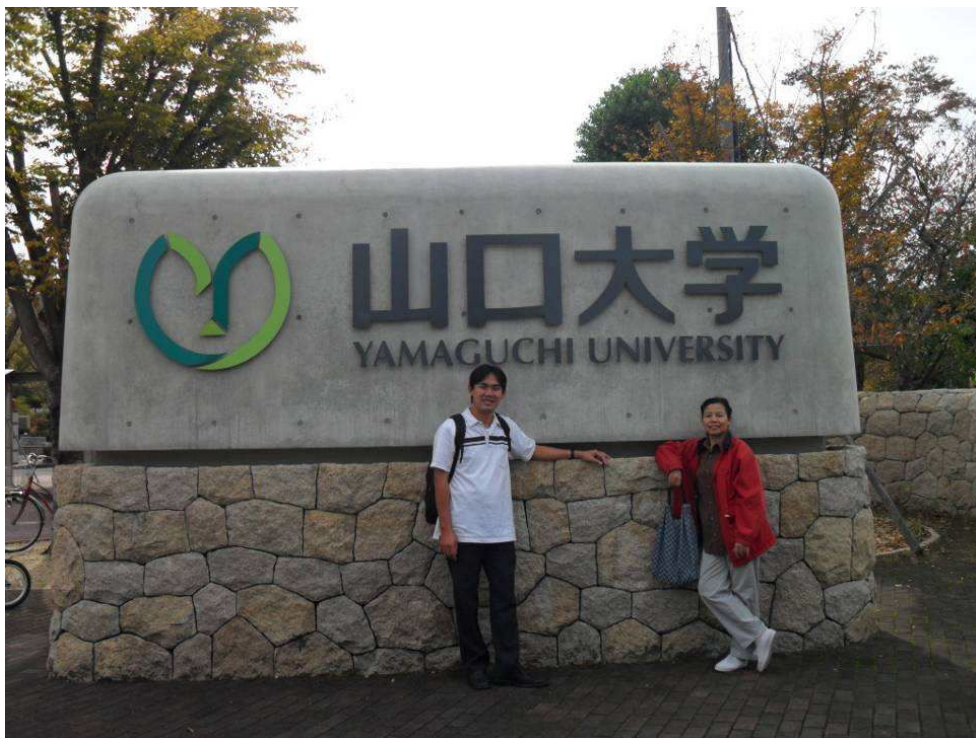


## Huỳnh Xuân Phong – Yamaguchi University – Japan

MSc Huỳnh Xuân Phong is a lecturer of Microbial biotechnology Department of Biotechnology Research and Development Institute, Can Tho University. He is now joining in the research team about temperature-tolerance *Acetobacter* of the ACP program (Asian Core Program). This program belongs to the network of multiple universities and institutes of Japan, Thailand, Laos and Vietnam with the cooperation of over 100 scientists.

Following the activities of ACP program and the *JENESYS* Programme (Japan-East Asia Network of Exchange for Students and Youths) sponsored by Japan Society for the Promotion of Science (JSPS) , Phong had an exchange course to study and work at Applied Microbiology, Biochemistry Department, Agriculture Faculty from 15/09/2011 to 29/22/2011 under the supervision of Professor Kazunobu Matsushita. This trip is also a follow-up trip after another trip in 07/2010 also sponsored by ACP program and JENESSYS 2010.



Phong and Ms. Chansom (Laos) at Yamaguchi University

Professor Kazunobu Matsushita and Toshiharu Yakushi lab focuses on researching *Acetobacter* and *Gluconobacter* to apply in acid acetic fermentation, dihydroxyacetone, 5-keto-D-gluconate manufacturing, sorbose. D-fructose transferase ,... especially with heat-tolerance strains. They also conduct adaptable mechanism, genetic transformation of heat-tolerance microorganisms. Professor Kazunobu Matsushita is also known as leader of oxidative fermentation discipline, enzyme quinoprotein alcohol dehydrogenase and aldehyde dehydrogenase. Huynh Xuan Phong and the team aim at isolation and selection of heat-tolerance strains in Thailand, Laos and Vietnam. These strains might be applied to increase the fermentation efficiency, particularly in the conditions of climate change causing the temperature increase and reduce the cost of cooling system which is normally used for warm-affinity strains. We also conduct the temperature adaptability, extracting enzymes related to fermentation process. At this time, he also joined the 5<sup>th</sup> Young Scientist Seminar of JSPS-NRCT Asian Core Program on “Capacity Building and Development of Microbial Potential and Fermentation Technology toward New Era”) with 90 young scientists from Thailand, Indonesia, Laos, Japan as well as Scholars, doctor students and international students of Yamaguchi University (Egypt, Saudi Arabia, Bangladesh, Korea, Kenya, Malaysia, China,...) in 22-23/11/2011. Besides, he regularly participates Academic discussion, seminar, and lab conference which is weekly organized at the Department.



The 5<sup>th</sup> Young Scientist Seminar, Yamaguchi University