

## Nguyen Quang Vinh - Khon Kaen University – Thailand

Nguyen Quang Vinh is the alumnus of Biotechnology – course 32 (2006 -2010). Vinh got the BSc Degree in Biotechnology with his thesis: “Studying of Scad protein hydrolyzed by factors Papain enzyme, *Bacillus subtilis* bacteria and *Aspergillus oryzae* fungi” on October, 2010. Since then, he is a researcher for Department of Biotechnology which belongs to Cuu Long Delta Rice Research Institute. In 2012, he was awarded a scholarship from Vietnam government to go abroad for his higher education in MSc degree.

Currently, Quang Vinh is a student in Master of Science program in Biotechnology, with duration of program study is 2 academic years at Department of Biotechnology, Faculty of Technology, Khon Kaen University, Thailand. Under the guidance of Assc.Prof.Dr Sirinda Yunchalard, Vinh has participated project “Biodiversity of microflora of a common *Silver Barb* specie determined by culture-dependent and culture-independent techniques”.

The main research of his laboratory including:

Development of *plaa-som* production process to be a controller and safety and hygienic process with good manufacturing practice using *plaa-som* starters with a mixing machine.

Isolation of lactic acid bacteria recovered and isolated from qualified *plaa-som* samples during its fermentation to be developed for *plaa-som* starter cultures using microbiological and molecular techniques.

Relationship between genetic characteristics of lactic acid bacterial isolates and transformation of bioactive compounds in fermented *plu-kao* (*Houttuynia cordata* Thunb.) water extracts.

Induction of *Saccharomyces cerevisiae* using ethylmethanesulfonate for generation of mutant strain capable of producing high ethanol at high temperature.

