

APPENDIX

RESEARCH PUBLICATIONS

During my study, I have contributed my research work in two patterns. The details are shown as follow;

1) International conferences

- 1.1 Tanamool, V., Kaewkannetra, P., & Imai, T. (2009, March). **Batch fermentation of sweet sorghum for biopolymer production by *Alcaligenes latus* ATCC 29724 under meso/thermophilic temperatures.** Paper present at The 1st Joint Seminar of Asian Core Program (ACP) on capacity building and development of microbial potential and fermentation technology towards new era, Bangkok, Thailand.
- 1.2 Tanamool V, Kaewkannetra P, Danvirutai P, Thanonkeo and Imai T. (2009, August). **Production of poly-beta-hydroxybutyric acid by *Alcaligenes eurtophus* TISTR 1095 and *Alcaligenes latus* ATCC29724 via batch fermentation.** Paper present at The 3rd International Conference on Fermentation for value added agricultural products, Khon Kaen, Thailand.
- 1.3 Tanamool V, Imai T, Danvirutai P and Kaewkannetra P. (2010, September). **Screening, identification and production of polyhydroxy alkanoates (PHAs) by sucrose utilizing microbes isolated from soil environments.** Paper present at The 14th International Biotechnology Symposium and Exhibition Biotechnology for the Sustainability of Human Society, Rimini, Italy.

2) Publication in Proceeding

- 2.1 Tanamool, V., Kaewkannetra, P., & Imai, T. (Eds). Batch fermentation of sweet sorghum for biopolymer production by *Alcaligenes latus* ATCC 29724 under meso/thermophilic temperatures. **Proceeding of The 1st Joint Seminar of Asian Core Program on capacity building and development of microbial potential and fermentation technology towards new era: March 20 -21 2009, Graduate school of Kasetsart University, Bangkok, Thailand.** (pp. 75-76). Bangkok: Kasetsart University.
- 2.2 Tanamool, V., & Kaewkannetra, P. (Eds). Direct screening of potential polyhydroxyalkanoates (PHAs) bacterial from soil environment using sweet sorghum as a sole carbon source. **Proceeding of the World Congress on Engineering and Technology (CET2011): October 28-30 2011, Wuhan University, Shanghai, China.** (pp. 397-400). Shanghai: Wuhan University.

3) Publication in international journals

- 3.1 Tanamool, V., Imai, T., Danvirutai, P., & Kaewkannetra, P. (2011). Biosynthesis of poly hydroxylalkanoate (PHA) by *Hydrogenophaga* sp. isolated from soil environments during batch fermentation. **Journal of Life Science**, **5** (12), 1003-1012.
- 3.2 Tanamool, V., Imai, T., Danvirutai, P. & Kaewkannetra, P. Biopolymer generation from sweet sorghum juice (SSJ): Screening, isolation, identification and fermentative polyhydroxyalkanoates (PHAs) production by *Bacillus aryabhatai*. **Turkey Journal of Biology** (Under reviews).
- 3.3 Tanamool, V., Imai, T., Danvirutai, P. & Kaewkannetra, P. An alternative approach to the fermentation of sweet sorghum juice into biopolymer of poly- β -hydroxyalkanoates (PHAs) by newly isolated *Bacillus aryabhatai* PKV01. **Biotechnology and Bioprocess Engineering** (Under reviews).

- 3.4 Tanamool, V., Imai, T., Danvirutai, P. & Kaewkannetra, P. Improvement of polyhydroxybutyrate (PHB) production from sweet sorghum juice (SSJ) via fed-batch fermentation under different C/N ratios. **Biotechnology and Bioprocess Engineering** (Under reviews)