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**Education**

Degree: Dr.techn. (Technical Chemistry), Graz University of Technology, Austria  
M.Sc. (Biotechnology), Mahidol University, Thailand  
B.Sc. (Agriculture, First Class Honors), Kasetsart University, Thailand

**Present employment :**

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**Field of interest :** Molecular Biotechnology, Enzyme Technology, Food Biotechnology

**Current researches :**

1. Screening and improvement of microbial enzyme
2. Antimicrobial substance and its application
3. Probiotic lactic acid bacteria: monitoring, screening, characterization and their application
4. Production, purification, characterization of microbial enzyme and its application
5. Enzyme catalytic biodiesel production

**Publication:**

Mongkolsuk, S., Sukchawalit, R., Loprasert, S., Praituan, W. and **Upaichit, A.** 1998. Construction and physiological analysis of a *Xanthomonas* mutant to examine the role of the *oxyR* gene in oxidant-induced protection against peroxide killing. J. Bacteriol. 180: 3988-3991.  
Kemavongse, K., Prasertsan, P., **Upaichit, A.** and Methacanon, P. 2007. Effect of co-substrate on production of poly- $\beta$ -hydroxybutyrate (PHB) and copolymer PHBV from newly identified mutant *Rhodobacter sphaeroides* U7 cultivated under aerobic-dark condition. Songklanakarin J. Sci. Technol. 29: 1101-1113.

- Kemavongse, K., Prasertsan, P., **Upaichit, A.** and Methacanon, P. 2008. Poly- $\beta$ -hydroxybutyrate production by halotolerant *Rhodobacter sphaeroides* U7. *World J. Microbiol. Biotechnol.* 24: 2073-2085.
- Upaichit, A.** 2011. Screening and identification of lactic acid bacteria isolated from southern Thai fermented foods for their inhibition efficacy against food-borne bacteria. *Hatyai J.* 9(1): 1-16.
- Fibriana, F. and **Upaichit, A.** 2015. Proteases from latex of *Euphorbia* spp. and its application on milk clot formation. *Biosaintifika.* 7(2): 92-99.
- Choojit, S., Bornscheuer, U.T., **Upaichit, A.** and H-Kittikun, A. 2016. Efficient phosphatidylserine synthesis by a phospholipase D from *Streptomyces* sp. SC734 isolated from soil-contaminated palm oil. *Eur. J. Lipid Sci. Technol.* 118: 803-813.

#### **Conference/Meeting and Proceeding:**

- Ruampan, J., Hongpattarakere, T. and **Upaichit, A.** 2007. Screening and characterization of lactic acid bacteria with antibacterial activity against pathogenic bacteria. The 7<sup>th</sup> National Graduate Research Conference, 4-5 April 2007, Prince of Songkla University, Surat Thani province, Thailand. (Posterpresentation)
- Thumarat, U., Kawai, F., Harnpicharnchai, P. and **Upaichit A.** 2008. Screening of lipases and cloning a lipase-coding gene from thermotolerant *Bacillus thermoamylovorans* strain BHK52 isolated from compost. The 9<sup>th</sup> National Grad Research Conference, 14-15 March 2008, Chonburi province, Thailand. (Posterpresentation)
- Zamroni, A., Cheirsilp, B. and **Upaichit, A.** 2008. Isolation and screening of lipase-producing bacteria from palm oil contaminated wastes. The 20<sup>th</sup> Annual Meeting of the Thai Society for Biotechnology "Biotechnology for Global Care", 14-17 October 2008, Mahasarakham province, Thailand. (Oralpresentation)
- Zamroni, A., Cheirsilp, B. and **Upaichit, A.** 2008. Isolation, screening, and optimization of lipase-producing bacteria from palm oil contaminated wastes. The proceedings of 2<sup>nd</sup> International Conference on Mathematics and Natural Sciences (ICMNS), 28-30 October 2008, Indonesia. (Oralpresentation)
- Ruampan, J., Hongpattarakere, T. and **Upaichit, A.** 2010. Screening and characterization of lactic acid bacteria isolated from traditional fermented foods that inhibit pathogenic bacteria. The proceedings of 22<sup>nd</sup> Annual Meeting and International Conference of the Thai Society for Biotechnology "TSB 2010: Biotechnology for Healthy Living", 20-22 October 2010, Trang province, Thailand. (Oralpresentation)
- Pakeeya, N. and **Upaichit, A.** 2011. Optimization of Lipase production from *Burkholderia* sp. PSU-KTK2 isolated from palm oil contaminated wastes. The National Conference of Higher Education Research Network, 25-28 May 2011, J.B. Hotel, Hat Yai, Songkhla province, Thailand. (Posterpresentation)
- Suwansri, J., **Upaichit, A.** and H-Kittikun, A. 2012. Expression purification and partial characterization of lipase cloned from *Bacillus thermoamylovorans* BHK52. The 23<sup>rd</sup> Annual Meeting of the Thai Society of

Biotechnology “TSB 2011: Systems Biotechnology: Quality & Success”, 1-2 February 2012, Mahidol University, Bangkok province, Thailand. (Poster presentation)

Fibriana, F., **Upaichit, A.** and Hongpattarakere, T. 2013. Optimization of bioprocess variables for fungal lipase production using statistical experimental design: a mini review. The 2<sup>nd</sup> ASEAN Academic Society International Conference (AASIC 2013), 4-5 November 2013, Bangkok province, Thailand. (Oral presentation)

**Upaichit, A.,** Ninpetch, S. and Chor-Kularb, A. 2016. Encapsulation of probiotic *Lactobacillus plantarum* SKI19 and evaluation of the gastrointestinal transit tolerance. The 54<sup>th</sup> Kasetsart University Annual Conference, 2-5 February 2016, Bangkok province, Thailand. (Poster presentation)