

Dr. Patchanee Yasurin

Awarded St. Martin de Tours Award for Excellence in Performance (Third Class)

Citation:

Dr. Patchanee Yasurin joined the Faculty of Biotechnology in 2001. She received her B.Sc. in Biotechnology from Assumption University in 2001 and Ph.D. in Food Biotechnology (Sandwich program between Assumption University and University of California, Davis, U.S.A.) in 2009.

Dr. Patchanee devotes herself to students through creative and innovative teaching methodology and research. As a good teacher, she gives a helping hand to her students. Her contribution to the improvement of teaching and learning has been a continuous endeavour. This is evident in the teaching methodology she uses by training her students to be good researchers by giving them a chance to participate in conducting research with her.

Dr. Patchanee has also conducted and published research papers which have contributed to Thailand's sustainable development. The following are her research publications in the past 3 years:

1. Utami, Christina V., Nateepat Pitinidhipat and Patchanee Yasurin. "The Antibacterial Activity Study of *Chrysanthemum indicum*, *Centella asiatica* and *Andrographis paniculata* on *Bacillus cereus* and *Listeria monocytogenes* under Low pH Stress." KMITL Science and Technology Journal 12, 1 (2012): 49-54.
2. Lazuardi, Irayudi, Treuktongjai Saenghiruna and Patchanee Yasurin. "Natural Antimicrobial Activity of Thai Red Curry's Herbs on *Salmonella* Typhimurium DT104b." AU Journal of Technology 16, 1 (2012): 1-6.
3. Pitinidhipat, Nateepat and Patchanee Yasurin. "Antibacterial Effect in *Chrysanthemum Indicum*, *Centella Asiatica* and *Andrographis Paniculata* Against *Bacillus Cereus* and *Listeria Monocytogenes* Under Osmotic Stress." AU Journal of Technology 15, 4 (2012): 239-245.
4. Sapabguy, Chuchod and Patchanee Yasurin. "The Study of Natural Antibiotics Effect of Thai A Curry Paste in Thai Coconut Milk Based Curry on *Salmonella enterica*." Proceedings of the International Conference on Food and Applied Bioscience 2012, Chiang Mai, Thailand, February 6-7, 2012: 209-212.
5. Saenghiruna, Treuktongjai and Patchanee Yasurin. "Antibacterial Activity of Thai Red Curry Paste's Ingredients between Using Kang-Pa and Kang-Kati Model on *Salmonella Enterica* 4, 5, 12:i:- (human) US Clone." Proceedings of the 1st KMITL Agro-Industry Conference, Bangkok, Thailand, September 7, 2012: 141-148.
6. Rattanakorm, Supawan and Patchanee Yasurin. "Natural Antibacterial Activity of Thai Red Curry Paste in Thai Red Curry-Water Base Mode (Kang-Pa) on

Listeria monocytogenes 10403S.” Proceedings of the 1st KMITL Agro-Industry Conference, Bangkok, Thailand, September 7, 2012: 488-494.

7. Rattanakorn, Supawan and Patchanee Yasurin. “Natural Antibacterial Activity of Thai Curry Paste in Thai Red Curry-Water Base (Kang-Pa) Model on *Salmonella enterica* 4, 5, 12: i - (human) and *Salmonella enteric* Enteritidis (human).” *KKU Research Journal*, 18,4 (2013) : 559-566.
8. Arienata H.A, Udchachonand, T. and Patchanee Yasurin. “Antibacterial Activity of Thai Red Curry Paste in Kang-Kati (Thai Red Curry) Model on *Salmonella enterica* Typhimurium DT104b.” Proceedings of the 15th Food Innovation ASIA Conference 2013, BITECH, Bangkok, June13 -14 2013: 97-106.
9. Udchachonand, T. and Patchanee Yasurin. “Natural Antibacterial Activity of Thai Curry Paste in Thai Red Curry (Kang-Kati) Model against *Salmonella enterica* 4,5, 12:i:-(human).” Proceedings of the 15th Food Innovation ASIA Conference 2013, BITECH, Bangkok, June 13 -14 2013: 389-397.
10. Sriariyanun, M. Yasurin P, Phetsom J, Cheenkachorn K. “A Study of Feasibility of Pretreatment Process to Utilize Lignocellulosic Biomass as Materials for Biodiesel Production.” Proceeding of the 3rd Annual Asian Conference on Sustainability, Energy and the Environment 2013: 267-276.
11. Yasurin, Patchanee, Saenghiruna, T., Phetsom, J. and Sriariyanun, M. (2013) “A Study of Feasibility to Utilize Lignocellulosic Biomass as Materials for Biodiesel Production.” Proceedings of the 3rd Annual Asian Conference on Sustainability, Energy and the Environment 2013: 686-693.

Dr. Patchanee has been granted two research grants by The Sirindorn International Thai-German Graduate School of Engineering (TGGs) with Thailand Research Fund (TRF) for the year 2012-2013 for her research projects on the topic “Isolation and Characterization of Cellulolytic Enzyme from Bacteria Isolated from Unexplored Natural Environment for Biofuel Production” and “Culturing Process Development to Improve *Acinetobacter* spp Lipid Profile as a Potential Biodiesel Renewable Resource.” She also has been granted by The Institute for the Promotion of Teaching Science and Technology (IPST) for the year 2012-2014 for her research project on the topic “Biosynthesis of Biodiesel from Pretreated Lignocellulosic Biomass Using Enzymatic Esterification Process.”

For her invaluable contribution to the development of the teaching- learning and to the improvement of the quality of biotechnology, Assumption University is pleased to confer the St. Martin de Tours Award for Excellence in Performance (Third Class) on Dr. Patchanee Yasurin on this auspicious date of December 24, 2013.