

รศ.ดร. สุตธิพันธุ์ แก้วสมพงษ์

ภาควิชาเทคโนโลยีชีวภาพ คณะอุตสาหกรรมเกษตร มหาวิทยาลัยเกษตรศาสตร์

โทรศัพท์ +66-2562-5074 #5382 อีเมล suttipun.k@ku.ac.th

การศึกษา

Ph.D. (Life Science : Molecular Biology and Biotechnology), University of Nottingham

วท.ม. (เทคโนโลยีชีวภาพ) มหาวิทยาลัยเกษตรศาสตร์

วท.บ. (เทคโนโลยีชีวภาพ) มหาวิทยาลัยเกษตรศาสตร์

สาขาที่เชี่ยวชาญ

Enzyme technology

ผลงาน

1. S. Sobanbua, S. Dokkittikul, Massalin Nakphaichit, Suttipun Keawsompong, Sunee Nitisinprasert, "Antimicrobial peptide presenting potential strain-specific real time polymerase chain reaction assay for detecting the probiotic *Lactobacillus reuteri* KUB-AC5 in chicken intestine.", *Poultry Science*. 99 (1) (2020) 526-535
2. Orawan La-ongkham, Massalin Nakphaichit, Jiro Nakayama, Suttipun Keawsompong, Sunee Nitisinprasert, "Age-related changes in the gut microbiota and the core gut microbiome of healthy Thai humans", *3 Biotech* 10 (-) (2020) 276-1-14
3. Varaporn Chaiyama, Suttipun Keawsompong,† Jean Guy LeBlanc, Alejandra de Moreno de LeBlanc, Jean Marc Chartel, Wasaporn Chanput, "Action modes of the immune modulating activities of crude mushroom polysaccharide from *Phallus atrovolvatus*", *Bioactive Carbohydrates and Dietary Fibre* 23 (-) (2020) 100216-1-7
4. Wanpen Weil, Robert Weil, Suttipun Keawsompong, Klanarong Sriroth, Paul Seib, Yong-Cheng Shi, "Pyrodextrin from waxy and normal tapioca starches: Physicochemical properties", *Food Hydrocolloids* 104 (105745) (2020) 105745-1-13
5. Nipat Sritrakul, Sunee Nitisinprasert, Suttipun Keawsompong, "Copra meal hydrolysis by the recombinant ??mannanase KMAN-3 and MAN 6.7 expressed in *Escherichia coli*", *3 Biotech* 10 (2) (2020) 44-1

6. Chirawat Prasitisom, N. Jubsab, P. Klomsa-ard, Klanarong Sriroth, Suttipun Keawsompong, "Selection of SSR Markers for drought resistant sugarcane in Thailand", *International Journal of Agricultural Technology* 15 (6) (2019) 997-1010
7. Prakai Rajchanuwong, Jariya Chanpaisaeng, Suttipun Keawsompong, Characterization and toxicity of *Bacillus thuringiensis* serovar chanpaisis (H46): A serovar from Thailand", *Songklanakarin Journal of Science and Technology* 41 (4) (2019) 804-812
8. Chattip Suphatpahrapol, Thu-Ha Nguyen, Yada Tansiri, Yodying Yingchutrakul, Sittiruk Roytrakul, Supachai Nitipan, Worawidh Wajjwalku, Dietmar Haltrich, Siriwan Prapong, Suttipun Keawsompong, "Expression of a leptospiral leucine-rich repeat protein using a food-grade vector in *Lactobacillus plantarum*, as a strategy for vaccine delivery", *3 Biotech* 9 (9) (2019) 1, 9:324-10, 9:324
9. Kwankanit Intaratrakul, Sunee Nitisinprasert, Suttipun Keawsompong, "Effect of culture condition on high-level expression of recombinant β -mannanase from *Bacillus circulans* NT 6.7 in *Escherichia coli* and application in mannan hydrolysis", *AGRICULTURE AND NATURAL RESOURCES* 53 (3) (2019) 314-319
10. Le Quang Thai , Suttipun Keawsompong, "Production of exopolysaccharide from *Tricholoma crassum* in submerged culture and its antioxidant activities", *International Journal of Agricultural Technology* 15 (1) (2019) 141-156
11. Prayoonthien, P, Rastall, RA, Kolida, S, Sunee Nitisinprasert, Suttipun Keawsompong, "In vitro fermentation of copra meal hydrolysate by human fecal microbiota", *3 BIOTECH* 9 (3) (2019)
12. Ayimbila, F, Suttipun Keawsompong, "EFFECT OF PROCESSING PROCEDURES ON IN VITRO DIGESTIBILITY AND COLONIC FERMENTATION OF RICEBERRY RICE", *JOURNAL OF MICROBIOLOGY BIOTECHNOLOGY AND FOOD SCIENCES* 8 (3) (2018) 940-946
13. Ayimbila, F, Suttipun Keawsompong, "In Vitro Starch Digestion and Colonic Fermentation of Thai Jasmine Rice", *STARCH-STARKE* 70 (9-10) (2018)
14. Sathitkowitchai, W, Sunee Nitisinprasert, Suttipun Keawsompong, "Improving palm kernel cake nutrition using enzymatic hydrolysis optimized by Taguchi method", *3 BIOTECH* 8 (10) (2018)
15. Rungruangsapakun, J, Suttipun Keawsompong, "Optimization of hydrolysis conditions for the mannoooligosaccharides copra meal hydrolysate production", *3 BIOTECH* 8 (2018)
16. Tuntrakool, P., Suttipun Keawsompong, "Kinetic properties analysis of beta-mannanase from *Klebsiella oxytoca* KUB-CW2-3 expressed in *Escherichia coli*", *Protein Expression and Purification* 146 (2018) 23-26
17. Phatcharin Prayoonthien, Sunee Nitisinprasert, Suttipun Keawsompong, "The Effect of Copra Meal-Hydrolysate on the Broiler Chicken Microbiota", *International Journal of Agricultural Technology* 13 (6) (2017) 839-860

18. Nipat Srirakul, Sunee Nitisinprasert, Suttipun Keawsompong, "Evaluation of dilute acid pretreatment for bioethanol fermentation from sugarcane bagasse pith", *Agriculture and Natural Resources* 51 (6) (2017) 512-519
19. Inyod, T., Sassanarakit, S., Payapanon, A., Suttipun Keawsompong, "Morphological characteristics and molecular identification of a wild thai isolate of the tropical mushroom hed taen rad (*Macrocybe crassa*)", *Biodiversitas* 18 (1) (2017) 221-228
20. Rumjuankiat, K., Suttipun Keawsompong, Sunee Nitisinprasert, "Bacterial contaminants from frozen puff pastry production process and their growth inhibition by antimicrobial substances from lactic acid bacteria", *Food Science and Nutrition* 5 (3) (2017) 454-465
21. Prayoonthien, P, Sunee Nitisinprasert, Suttipun Keawsompong, "In vitro fermentation of copra meal hydrolysate by chicken microbiota", *3 BIOTECH* 8 (-) (2017)
22. Intaratrakul, K, Sunee Nitisinprasert, Nguyen, TH, Haltrich, D, Suttipun Keawsompong, "Secretory expression of beta-mannanase from *Bacillus circulans* NT 6.7 in *Lactobacillus plantarum*", *PROTEIN EXPRESSION AND PURIFICATION* 139 (2017) 29-35
23. Tanapak Inyod, Suriya Sassanarakit, Achara Payapanon , Suttipun Keawsompong, "Selection of *Macrocybe crassa* mushroom for commercial production", *Agriculture and Natural Resources -- formerly Kasetsart Journal (Natural Science)* 50 (3) (2016) 186-191
24. Eaksuree, W., Prachayakitti, A., Upathanpreecha, T., Taharnklaew, R., Sunee Nitisinprasert, Suttipun Keawsompong, "In vitro and in vivo evaluation of protein quality of enzymatic treated feather meals", *SpringerPlus* 5 (1) (2016)
25. Therdtatha, P., Tandumrongpong, C., Pilasombut, K., Matsusaki, H., Suttipun Keawsompong, Sunee Nitisinprasert, "Characterization of antimicrobial substance from *Lactobacillus salivarius* KL-D4 and its application as biopreservative for creamy filling", *SpringerPlus* 5 (1) (2016)
26. Pongsapipatana, N., Damrongteerapap, P., Chantorn, S., wilawan Sintuprapa, Suttipun Keawsompong, Sunee Nitisinprasert, "Molecular cloning of kman coding for mannanase from *Klebsiella oxytoca* KUB-CW2-3 and its hybrid mannanase characters", *Enzyme and Microbial Technology* 89 (-) (2016) 39-51
27. Rumjuankiat, Kittaporn, Perez, Rodney Horanda, Pilasombut, Komkhae, Suttipun Keawsompong, Zendo, Takeshi, Sonomoto, Kenji, Sunee Nitisinprasert, "Purification and characterization of a novel plantaricin, KL-1Y, from *Lactobacillus plantarum* KL-1", *WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY* 31 (6) (2015) 983-994

28. La-ongkham, Orawan, Massalin Nakphaichit, Leelavatcharamas, Vichai, Suttipun Keawsompong, Sunee Nitisinprasert, "Distinct gut microbiota of healthy children from two different geographic regions of Thailand", ARCHIVES OF MICROBIOLOGY 197 (4) (2015) 561-573
29. Pangsri, Phanwipa, Piwpankaew, Yotthachai, Ingkakul, Arunee, Sunee Nitisinprasert, Suttipun Keawsompong, "Characterization of mannanase from Bacillus circulans NT 6.7 and its application in mannooligosaccharides preparation as prebiotic", SPRINGERPLUS 4 (-) (2015)
30. Yotthachai Piwpankaew, Supa Sakulsirirat, Sunee Nitisinprasert, Thu-Ha Nguyen, Dietmar Haltrich, Suttipun Keawsompong, "Cloning, secretory expression and characterization of recombinant β -mannanase from Bacillus circulans NT 6.7", SpringerPlus 3 ("-") (2014) 430
31. Massalin Nakphaichit, Chirapiphat Phraephaisarn, Suttipun Keawsompong, Orapin Sukpiriyagul, Sunee Nitisinprasert, "Effect of increasing dietary protein from soybean meal on intestinal microbiota and their fatty acids production in broiler chicken", Advances in Animal and Veterinary Science 2 (6) (2014) 337-343
32. Sudathip Titapoka Chantorn, Nawapan Pongsapipatana, Suttipun Keawsompong, Arunee Engkagul, Dietmar Haltrich, Sunee Nitisinprasert, "Characterization of mannanase S1 from Klebsiella oxytoca KUB-CW2-3 and its application in copra mannan hydrolysis", ScienceAsia 39 (3) (2013) 236-245
33. Nuttawadee Jantasila, Suttipun Keawsompong, Keith Filer, Sunee Nitisinprasert, "Pretreatment of Agricultural Wastes for the Production of Cellulolytic Enzymes from Aspergillus niger 386017M1 by Solid State Fermentation", Kasetsart J. (Nat. Sci.) 46 (5) (2012) 783-794
34. Nakphaichit, M, Thanomwongwattana, S, Phraephaisarn, C, Sakamoto, N, Suttipun Keawsompong, Nakayama, J, Sunee Nitisinprasert, "The effect of including Lactobacillus reuteri KUB-AC5 during post-hatch feeding on the growth and ileum microbiota of broiler chickens", POULTRY SCIENCE 90 (12) (2011) 2753-2765
35. Prakray Thephan, Suttipun Keawsompong, Jariya Chanpaisaeng, "Characterization of Thai Bacillus thuringiensis JCPT121 as Promising Biopesticide against Diamondback Moth (Plutella xylostella L.)", Thai Journal of Agricultural Science 44 (1) (2011) 61-70
36. Lee Tan Hung, Suttipun Keawsompong, V. T. Hanh, S. Srivichai, N. L. Hywel-Jones, "Effect of Temperature on Cordycepin Production in Cordyceps militaris", Thai Journal of Agricultural Science 42 (4) (2009) 219-226
37. Prakray Thephan, Suttipun Keawsompong, Jariya Chanpaisaeng, "Isolation, toxicity and detection of cry gene in Bacillus thuringiensis isolated in Krabi province, Thailand ", Songklanakarin Journal of Science and Technology 30 (5) (2008) 591-596

38. Titapoka, S, Suttipun Keawsompong, Haltrich, D, Sunee Nitisinprasert, "Selection and characterization of mannanase-producing bacteria useful for the formation of prebiotic manno-oligosaccharides from copra meal", *WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY* 24 (8) (2008) 1425-1433
39. Yaowaluk Poojitkanont, Suttipun Keawsompong, Jariya Chanpaisaeng, "Identification and Characterization of cry Genes Coding for Insecticidal Crystal Protein in *Bacillus thuringiensis* JC 590", *Kasetsart Journal (Natural Science)* 42 (1) (2008) 51-60
40. Sriporaya, S, Suttipun Keawsompong, Insupa, P, Power, JB, Davey, MR, Peerasak Srinives, "Genetically manipulated pineapple: transgene stability, gene expression and herbicide tolerance under field conditions", *PLANT BREEDING* 125 (4) (2006) 411-413

1.