

Academic Resume

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Your area (s) of interest	Biotechnology, Food Biotechnology, Environmental Biotechnology, Fermentation, Functional Foods in Fermented Products, Microbiology, Applied Bioscience, Wastewater treatment, Biodegradation and Bioremediation, Innovative Products, Application of Cold Plasma on Agriculture and Life Science, Production of Health Ingredients using Bioprocess

Educational background

1994	B. Sc. (Biology), Chiang Mai University. Thailand.
1997	M. Sc. (Microbiology), Kasetsart University. Thailand.
2010	Doctor of Engineering (Materials Engineering) Hiroshima Kokusai Gaguin University Japan.

Member of Editorial Board in Scientific Journal

Chiang Mai Journal of Science
Food and Applied Bioscience

International Reviewer for Academic Journals

Bioresource Technology, BMC Biotechnology, Chiang Mai Journal of Science, Chemical Engineering Journal, Journal of Food Quality, Journal of Scientific and Industrial Research, Process Biochemistry, Separation Science and Technology, Ultrasonic Sonochemistry, Journal of Functional Foods, Industrial Crops and Products, Preparative Biochemistry & Biotechnology, Journal of Food Processing and Preservation, Journal of Environmental Chemical Engineering, Food Biotechnology

International Publications

- Surin, S., Surayot, U., **Seesuriyachan, P.**, You, G. S., and Phimolsiripol, Y. 2017. Antioxidant and immunomodulatory activities of sulfated polysaccharides from purple glutinous rice bran (*Oryza sativa* L.). *Inter. J. Food Sci. Technol.* (In Press)
- Takenaka, S, Yoshinami, J., Kuntiya, A., Techapun, C., Leksawasdi, N., **Seesuriyachan, P.**, Chaiyaso, T., Watanabe, M., Tanaka, K., Yoshida, K. 2017. Characterization and mutation analysis of a halotolerant serine protease from a new isolate of *Bacillus subtilis*. *Biotech. Lett.* (In Press)
- Seesuriyachan, P.**, Kawee-Ai, A., Chaiyaso, T. 2017. Green and chemical-free process of enzymatic xylooligosaccharide production from corncob: Enhancement of the yields using a strategy of lignocellulosic deconstruction by ultra-high pressure pretreatment. *Bioresour Technol.* 241. 537-544.
- Laokuldilok, T., Potivasa, T., Kanhaa, N., Surawang, S., **Seesuriyachan, P.**, Wangtueai, S., Phimolsiripol, Y., Regenstein, M. J. 2017. Physicochemical, antioxidant, and antimicrobial properties of chitooligosaccharides produced using three different enzyme treatments. *Food Biosci.* 18. 28-33.
- Phimolsiripol, Y., Siripatrawan, U., Teekachunhatean, S., Wangtueai, S., **Seesuriyachan, P.**, Surawang, S., Laokuldilok, T., Regenstein, M. J., Christiani, J. H. 2017. Technological properties, in vitro starch digestibility and in vivo glycaemic index of bread containing crude malva nut gum. *Inter J. Food Sci. Technol.* 52. 1035-1041.
- Chaikham, P., Kemsawasd, V., **Seesuriyachan, P.** 2017. Spray drying probiotics along with maoluang juice plus *Tiliacora triandra* gum for exposure to the in vitro gastrointestinal environments. *LWT - Food Sci. Technol.* 78. 31-40.
- Tangtua, J., Techapun, C., Pratanaphon, R., Kuntiya, A., Sanguanchaipaiwong, V., Chaiyaso, T., Hanmoungjai, P., **Seesuriyachan, P.**, Leksawasdi, N., Leksawasdi, N. 2017. Partial Purification and Comparison of Precipitation Techniques of Pyruvate Decarboxylase Enzyme. *Chiang Mai J. Sci.* 44. 184-192.
- Jantanasakulwong, K., Leksawasdi, N., **Seesuriyachan, P.**, Wongsuriyasak, S., Techapun, C., Ougizawa, T. 2016. Reactive blending of thermoplastic starch and polyethylene-graft-maleic anhydride with chitosan as compatibilizer. *Carbohydrate Polymers.* 153. 89-95.
- Jantanasakulwong, K., Leksawasdi, N., **Seesuriyachan, P.**, Wongsuriyasak, S., Techapun, C., Ougizawa, T. 2016. Reactive blending of thermoplastic starch, epoxidized natural rubber and chitosan. *European Polymer Journal.* 84. 292-299.
- Watanabe, M., Techapun, C., Kuntiya, A., Leksawasdi, N., **Seesuriyachan, P.**, Chaiyaso, T., Takenaka, S., Maeda, I., Koyama, M., Nakamura, K. 2016. Extracellular protease derived from lactic acid bacteria stimulates the fermentative lactic acid production from the by-products of rice as a biomass refinery. *Journal of Bioscience and Bioengineering.* (In press)

- Chaikhram, P., Prangthip, P., **Seesuriyachan, P.** 2016. Ultra-Sonication Effects on Quality Attributes of Maoberry (*Antidesma bunius* L.) Juice. Food Sci. Technol. Res. (accepted)
- Boonchuay, P., Takenaka, S., Kuntiya, A., Techapun, C., Leksawasdi, N., **Seesuriyachan, P.**, Chaichaso, T. 2016. Purification, characterization, and molecular cloning of the xylanase from *Streptomyces thermovulgaris* TISTR1948 and its application to xylooligosaccharide production. J. Mol. Catal. B: Enzym. 129. 61-68.
- Kawee-Ai, A., Srisuwun, A., Tantiwa, N., Nontaman, W., Boonchuay, P., Kuntiya, A., Chaichaso, T., **Seesuriyachan, P.** 2016. Eco-friendly processing in enzymatic xylooligosaccharides production from corncob: Influence of pretreatment with sonocatalytic-synergistic Fenton reaction and its antioxidant potentials. Ultrason Sonochem. 31:184-92.
- Monkoondet, S., Kuntiya, A., Chaichaso, T., Leksawasdi, N., Techapun, C., Kawee-ai, A., and **Seesuriyachan, P.** 2016. Treatability of cheese whey for single-cell protein production in non-sterile systems: Part II. The application of aerobic Sequencing Batch Reactor (aerobic SBR) to produce high biomass of *Dioszegia* sp. TISTR 5792. Prep. Biochem. Biotech. 46. 434-439.
- Monkoondet, S., Kuntiya, A., Chaichaso, T., Leksawasdi, N., Techapun, C., Kawee-ai, A., and **Seesuriyachan, P.** 2016. Treatability of cheese whey for single-cell protein production in non-sterile systems: Part I. Optimal condition for lactic acid fermentation using a micro-aerobic Sequencing Batch Reactor (micro-aerobic SBR) with immobilized *Lactobacillus plantarum* TISTR 2265 and microbial communities. Prep. Biochem. Biotech. 46. 392-398.
- Seesuriyachan, P.**, Kuntiya, A., Kawee-ai, A., Techapun, C., Chaichaso, T., Leksawasdi, N. 2015. Improvement in efficiency of lignin degradation by Fenton reaction using synergistic catalytic action. Ecol. Eng. 85. 283-287.
- Paopang, P., Kasinrer, W., Tayapiwatana, C., **Seesuriyachan, P.** and Butr-Indr, B. 2015. Multi-parameter optimization method and enhanced production of secreted recombinant single chain variable fragment against the HIV-1 P17 protein from *Escherichia Coli* by fed-batch fermentation. Prep. Biochem. Biotech. DOI: 10.1080/10826068.2015.103138
- Takenaka, S., Miyatake, A., Tanaka, K., Kuntiya, A., Techapun, C., Leksawasdi, N., **Seesuriyachan, P.**, Chaichaso, T., Watanabe, M., and Yoshida, K.I. 2015. Characterization of the native form and the carboxy-terminally truncated halotolerant form of α -amylases from *Bacillus subtilis* strain FP-133. J. Basic Microbiol. 54. 1-10. doi:10.1002/jobm.201400813.
- Manochai, P., Phimolsiripol, Y. and **Seesuriyachan, P.** 2014. Response Surface Optimization of Exopolysaccharide Production from Sugarcane Juice by *Lactobacillus confusus* TISTR 1498. CMU J. NS Special Issue on Food Appl. Biosci. 13. 425-438.
- Seesuriyachan, P.**, Kuntiya, A., Chaichaso, T., Hanmoungjai, P., Leksawasdi, N., Techapun, C. 2014. Enhancement and optimization of exopolysaccharide

- production by *Weissella confusa* TISTR 1498 in pH controlled submerged fermentation under high salinity stress. Chiang Mai J. Sci. 41. 503-512.
- Surayot, U., Wang, J., **Seesuriyachan, P.**, Kuntiya, A., Tabarsa, M., Lee, Y. J., Kim, J. K., Park, J. W., You, S. G. 2014. Exopolysaccharides from lactic acid bacteria: Structural analysis, molecular weight effect on immunomodulation. Int. J. Biol. Macro. 68. 233-240.
- Surin, S., Thakeow, P., **Seesuriyachan, P.**, Angeli, S., Phimolsiripol, Y. 2014. Effect of extraction and concentration processes on properties of longan syrup. J. Food Sci. Technol. 51. 2062-2069.
- Chaikhram, P., Apichartsrangkoon, A. **Seesuriyachan, P.** 2014. Physical and biochemical qualities of pressurized and pasteurized longan juices upon storage. Emirates J. Food Agri. 26. 218-228.
- Tantiwa, N., **Seesuriyachan, P.**, Kuntiya, A. 2013. Strategies to decolorize high concentrations of methyl orange using growing cells of *Lactobacillus casei* TISTR 1500. Biosci. Biotechnol. Biochem. 77. 2030-2037.
- Tangtua, J., Techapun, C., Pratanaphon, R., Kuntiya, A., Chaiyaso, T., Hanmuangjai, P., **Seesuriyachan, P.** and Leksawasdi, N. 2013. Screening of 50 microbial strains for production of ethanol and (R)-phenylacetylcarbinol. Chiang Mai J. Sci. 40. 299-304.
- Tantiwa, N., Kuntiya, A. and **Seesuriyachan, P.** 2013. Synergistic Catalytic Action of Fe^0 , Fe^{2+} and Fe^{3+} in Fenton Reaction for Methyl Orange Decolorization. Chiang Mai J Sci. 40. 60-69.
- Seesuriyachan, P.** 2012. Statistical modelling and optimisation for exopolysaccharide production by *Lactobacillus confusus* in submerged fermentation under high salinity stress. Food Sci. Biotechnol. 21, 1647-1654.
- Surin, S., **Seesuriyachan, P.**, Thakeow, P., and Phimolsiripol, Y. 2012. Optimization of enzymatic production of fructooligosaccharides from longan syrup. J. Applied Sci. 12. 1118-1123.
- Seesuriyachan, P.**, Kuntiya, A., Hanmuangjai, P., Techapun, C., Chaiyaso, T., and Leksawasdi, N. 2012. Optimization of exopolysaccharide overproduction by *Lactobacillus confusus* in solid state fermentation under high salinity stress. Biosci. Biotechnol. Biochem. 76. 912-917.
- H-Kittikun, A., Prasertsan, P., Zimmermann, W., **Seesuriyachan, P.**, and Chaiyaso, T. 2012. Sugar Ester Synthesis by Thermostable Lipase from *Streptomyces thermocarboxydus* ME168. Applied Biochem. Biotechnol. 166. 1969-1982.
- Chaiyaso, T., **Seesuriyachan, P.**, Zimmermann, W., and H-Kittikun, A. 2012. Purification and characterization of lipase from newly isolated *Burkholderia multivorans* PSU-AH130 and its application for biodiesel production. Annals Microbiol. 62. 1615-1624.
- Manowattana, A., Techapun, C., **Seesuriyachan, P.** and Chaiyaso, T. 2011. Carotenoids production from red yeasts using waste glycerol as a sole carbon source. Thai J. Agri. Sci. 44. 95-100.
- Seesuriyachan, P.**, Kuntiya, A., Hanmoungjai, P., and Techapun, C. 2011. Exopolysaccharide production by *Lactobacillus confusus* TISTR 1498 using

- coconut water as an alternative carbon source: the effect of peptone, yeast extract and beef extract. Songklanakarin J. Sci. Technol. 33. 379-387.
- Chaiyaso, T., Kuntiya, A., Techapun, C., Leksawasdi, N., **Seesuriyachan, P.**, and Hanmoungjai, P. 2011. Optimization of cellulase-free xylanase production by thermophilic *Streptomyces thermovulgaris* TISTR1948 through Plackett-Burman and response surface methodological approaches . Biosci. Biotechnol. Biochem. 75. 531-537.
- Seesuriyachan, P.**, Kuntiya, A., Techapun, C., Chaiyaso, T., Hanmuangjai, P., and Leksawasdi, N. 2011. Nutritional requirements for methyl orange decolourisation by freely suspended cells and growing cells of *Lactobacillus casei* TISTR 1500. Maejo Int. J. Sci. Technol. 5. 32-46.
- Seesuriyachan, P.** 2011. Effect of spices and herbs on the growth of *Pichia burtonii* DA 69, and *Saccharomyces cerevisiae* Biot 88 using the application of Plackett-Burman screening design. Chiang Mai J. Sci. 38. 151-155.
- Kuntiya, A., Hanmoungjai, P., Techapun, C., Sasaki, K. and **Seesuriyachan, P.** 2010. Influence of pH, sucrose concentration and agitation speed on exopolysaccharide production by *Lactobacillus confusus* TISTR 1498 using coconut water as a raw material substitute. Maejo Int. J. Sci. Technol. 4. 318-330.
- Seesuriyachan, P.**, Techapun, C., Shinkawa, H. and Sasaki, K. 2010. Solid State Fermentation for Extracellular Polysaccharide Production by *Lactobacillus confusus* with Coconut Water and Sugar Cane Juice as Renewable Wastes. Biosci. Biotechnol. Biochem. 74. 423-426.
- Seesuriyachan, P.**, Chaiyaso, T., Sasaki, K., Techapun, C. 2009. Influence of food colorant and initial COD concentration on the efficiencies of micro-aerobic sequencing batch reactor (micro-aerobic SBR) for casein recovery under non-sterile condition by *Lactobacillus casei* TISTR 1500. Bioresour. Technol. 100. 4097-4103.
- Seesuriyachan, P.**, Kuntiya, A., Sasaki, K., Techapun, C. 2009. Biocoagulation of dairy wastewater by *Lactobacillus casei* TISTR 1500 for protein recovery using micro-aerobic sequencing batch reactor (micro-aerobic SBR). Process Biochem. 44. 406-411.
- Seesuriyachan, P.**, Kuntiya, A., Sasaki, K., and Techapun, C. 2009. Comparative study on methyl orange removal by growing cells and washed cell suspensions of *Lactobacillus casei* TISTR 1500. World J Microbiol. Biotechnol. 25. 973-979.
- Seesuriyachan, P.**, Sakayapinan, P., Techapun, C., and Sasaki, K. 2008. Application of the Plackett-Burman screening design to a linear regression model; the effect of spices and herbs on the growth of *Amylomyces* sp. Biot 181, *Rhizopus* sp. Biot 232, and *Saccharomyces* sp. Biot 81. Bulletin J. Hiroshima Kokusai Gakuin University. 41. 1-11.
- Takenaka, S., Zhou, Q., Kuntiya, A., **Seesuriyachan, P.**, Murakami, S., and K. Aoki. 2007. Isolation and characterization of thermotolerant bacterium utilizing

ammonium and nitrate ions under aerobic conditions. *Biotechnol. Lett.* 29. 385-390.

Zhou, Q., Takenaka, S., Murakami, S., **Seesuriyachan, P.**, Kuntiya, A., and K. Aoki. 2007. Screening and characterization of bacteria that can utilize ammonium and nitrate ions simultaneously under controlled cultural conditions. *J. Biosci. Bioeng.* 103. 185-191.

Seesuriyachan, P., Takenaka, S., Kuntiya, A., Klayraung, S., Murakami, S., and K. Aoki. 2007. Metabolism of azo dyes by *Lactobacillus casei* TISTR 1500 and effects of various factors on decolorization. *Water Res.* 41. 985-92.

National Publications

Manowattana, A., **Seesuriyachan, P.**, Techapun, C., and Chaiyaso, T. 2012. Optimization of carotenoids production by red yeast *Sporobolomyces pararoseus* TISTR 5213 using waste glycerol as the sole carbon source. *KKU Res. J.* 17. 607-621.

International Conferences

- Takenaka, S., Yoshinami, J., Takada, A., Kuntiya, A., Techapun, C., Leksawasdi, N., **Seesuriyachan**, P., Chaiyaso, T., Watanabe, M., Tanaka, K., Yoshida, K. 2017. Gene cloning and characterization of a halotolerant serine protease from *Bacillus subtilis* isolated from Thai traditional fermented shrimp paste. Japan society for bioscience, biotechnology, and agrochemistry Kansai-Chushikoku-Nishinippon Joint meeting. Osaka, 22nd September 2017. Abstract book p. 4 (Ba-05).
- Chaiyaso, T., Manowattana, A., Techapun, C., Leksawasdi, N., Seesuriyachan, P. and Watanabe, M. 2016. High efficiency bioconversion of crude glycerol into lipids and carotenoids by *Sporidiobolus pararoseus* operating in the airlift bioreactor. The 5th International Conference on Biomass Energy & Exhibition (ICBE 2016). China National Convention Center, Beijing, People Republic of China. 16-19 October 2016. Oral Presentation: 08.55 – 09.15, 18 October 2016.
- Srisuwan, W., Techapun, C., Seesuriyachan, P., Watanabe, M. and Chaiyaso, T. 2015. Screening of Oleaginous Yeast for Lipid Production Using Rice Residue from Food Waste as a Carbon Source. The 6th International Conference on Fermentation Technology for Value Added Agricultural Products (FerVAAP 2015). 29 - 31 July 2015. Centara Hotel & Convention Center, Khon Kaen, Thailand.
- Boonchuay, P., Takenaka, S., Watanabe, M., Kuntiya, A., Techapun, C., Leksawasdi, N., Seesuriyachan, P., Hanmoungjai, P. and Chaiyaso, T. 2015. Purification and Characterization of Thermostable Cellulase-free Endo-xylanase from *Streptomyces thermovulgaris* TISTR1948. The 6th International Conference on Fermentation Technology for Value Added Agricultural Products (FerVAAP 2015). 29 - 31 July 2015. Centara Hotel & Convention Center, Khon Kaen, Thailand.
- Manowattana, A., Techapun, C., Watanabe, M. and Chaiyaso, T. 2015. Application of Airlift Bioreactor for the Enhancement of Carotenoids Production by *Sporidiobolus pararoseus* using Crude Glycerol as a Carbon Source. The 6th International Conference on Fermentation Technology for Value Added Agricultural Products (FerVAAP 2015). 29 - 31 July 2015. Centara Hotel & Convention Center, Khon Kaen, Thailand.
- Chaiyaso, T., Kuntiya, A., Techapun, C. Leksawasdi, N., Seesuriyachan, P., Takenake, S. and Watanabe, M. 2014. Purification and characterization of lipase from thermotolerant *Streptomyces thermocarboxydus* ME168 and its application on sugar esters synthesis. (Poster). Abstract page number 145.
- Takenaka, S., Kuntiya, A., Seesuriyachan, P., Chaiyaso, T., Techapun, C. Leksawasdi, N. and Watanabe, M. 2014. Characterization of halotolerant extracellular enzymes form *Bacillus subtilis* FP-133. New Core to Core

- Program. Advanced Research Networks, The 1st Joint Seminar, 10th – 11th August 2014, the Centara Grand & Bangkok Convention Centre, Central World, Bangkok, Thailand. (Oral) Abstract page number 44.
- Manowattana, A., Seesuriyachan, P. Techapun, C., and Chaiyaso, T. Microbial conversion of biodiesel-derived crude glycerol into carotenoids by *Sporobolomyces pararoceus* TISTR5213. AMBC conference. 2014. 19-21 February 2014. Bangkok, Thailand.
- Manysoat, S., Jomduang, S. and Chaiyaso, T. 2013. Effect of Loog-pang Sources on Job's tears Sato Production. The 5th International Conference on Fermentation Technology for Value Added Agriculture Products (FerVAAP2013). 21-23 August, 2013 Centara Hotel & Convention Centre, Khon Kaen, Thailand.
- Manowattana, A., Seesuriyachan, P. Techapun, C., and Chaiyaso, T. 2012 β -Carotene Production by Red Yeast *Sporobolomyces pararoseus* TISTR5213 Using Waste Glycerol as a Sole Carbon Source. International Conference on Food and Applied Bioscience. February 6th-7th, 2012. Kantary Hills Hotel, Chiang Mai, Thailand.
- Leksawasdi, N., Jinsiriwanit, S., Moukamnerd, J., Kuntiya, A., Chaiyaso, T., Hanmoungjai, P., **Seesuriyachan, P.**, Maniyom, S., Jantanasakulwong, K., Tochampa, W., Sommanee, S., Nunta, R., Wattanapanom, B., Mahakuntha, C., Khemacheewakul, J., Sanguanchaipaiwong, V., and Techapun, C. 2016. Biorefinery Production from Biomaterials by Zero Waste Technology. The 5th International Conference on Biomass Energy & Exhibition (ICBE 2016). China National Convention Center, Beijing, People Republic of China. 16 – 19 October 2016. Oral Presentation: 13.30 – 13.55, 17 October 2016 (Third Prize Presentation Award).
- Seesuriyachan, P.**, Ritthibut, N., Kawee-ai, A., Tantiwa, N., Kuntiya, A., Techapun, C., Chaiyaso, T., Leksawasdi, N., and Hanmoungjai, P. 2016. Simultaneous fructo- and inulo-oligosaccharides production using co-substrates of Jerusalem artichoke and sucrose by enzymatic synthesis: high value added products in bio-ethanol fermentation. The 5th International Conference on Biomass Energy & Exhibition (ICBE 2016). China National Convention Center, Beijing, People Republic of China. 16 – 19 October 2016. Oral Presentation: 9.35 – 9.55, 18 October 2016.
- Chaiyaso, T., Kuntiya, A., Techapun, C. Leksawasdi, N., **Seesuriyachan, P.**, Takenake, S. and Watanabe, M. 2014. Purification and characterization of lipase from thermotolerant *Streptomyces thermocarboxydus* ME168 and its application on sugar esters synthesis. (Poster). Abstract page number 145.
- Takenaka, S., Kuntiya, A., **Seesuriyachan, P.**, Chaiyaso, T., Techapun, C. Leksawasdi, N. and Watanabe, M. 2014. Characterization of halotolerant extracellular enzymes form *Bacillus subtilis* FP-133. New Core to Core Program. Advanced Research Networks, The 1st Joint Seminar, 10th – 11th August 2014, the Centara Grand & Bangkok Convention Centre, Central World, Bangkok, Thailand. (Oral) Abstract page number 44.

- Manowattana, A., **Seesuriyachan, P.**, Techapun, C., and Chaiyaso, T. Microbial conversion of biodiesel-derived crude glycerol into carotenoids by *Sporobolomyces pararoceus* TISTR5213. AMBC conference. 2014. 19-21 February 2014. Bangkok, Thailand.
- Manowattana, A., **Seesuriyachan, P.**, Techapun, C., and Chaiyaso, T. β -Carotene Production by Red Yeast *Sporobolomyces pararoseus* TISTR5213 Using Waste Glycerol as a Sole Carbon Source. International Conference on Food and Applied Bioscience. February 6th-7th, 2012. Kantary Hills Hotel, Chiang Mai, Thailand.
- Manowattana, A., **Seesuriyachan, P.**, Techapun, C. and Chaiyaso, T., Optimization of carotenoids production by red yeast *Sporobolomyces pararoseus* TISTR5213 using waste glycerol as a sole carbon source. 4th International FerVAAP Conference. 29th-31st August, 2011, Khon Kaen, Thailand.
- Chaiyaso, T., **Seesuriyachan, P.**, Leksawasdi, N. and Techapun, C. Biodiesel production from crude physic nut oil (*Jatropha curcas* L.) catalyzed by immobilized lipases. Asian Congress on Biotechnology; Biotechnology for better life. 11th-15th May 2011. Shanghai, China.
- Manowattana, A., Ta-inthorn, P., **Seesuriyachan, P.**, Techapun, C. and Chaiyaso, T., Carotenoids production from red yeasts using waste glycerol as a sole carbon source. International Conference on Agriculture and Agro-Industry (ICAAI2010). Food, Health and Trade 19th-20th November 2010. Mae Fah Luang University, Chiang Rai, Thailand.
- Phisit Seesuriyachan**, Ampin Kuntiya, Thanongsak Chaiyaso, Prasert Hanmoungjai, Noppol Leksawasdi, and Charin Techapun. 2013 Influence of azo dye in lactic acid production under open fermentation system from whey by micro-aerobic Sequencing Batch Reactor (micro-aerobic SBR) using free cell suspensions of *Lactobacillus casei* TISTR 1500. The 4th regional AFOB symposium 2012: Bioenergy, biorefinery and beyond. January 17-19, 2013. The Chiangmai Grand View Hotel and Convention Center, Chiang Mai, Thailand
- Phisit Seesuriyachan**, Nidtaya Tantiwa and Ampin Kuntiya. 2013. Optimization of methyl orange decolorization by freely suspended cells of *Lactobacillus casei* TISTR 1500 using Response Surface Methodology (RSM) via Central Composite Design (CCD). The 4th regional AFOB symposium 2012: Bioenergy, biorefinery and beyond. January 17-19, 2013. The Chiangmai Grand View Hotel and Convention Center, Chiang Mai, Thailand.
- Mongkondee, S. and **Seesuriyachan, P.** 2012. Production of lactic acid by lactic acid bacteria from cheese whey in an open system with a micro-aerobic Sequencing Batch Reactor. The 38th Congress on Science and Technology of Thailand. October 17 – 19, 2012. The Empress Convention Centre Hotel, Chiang Mai, Thailand.
- Seesuriyachan, P.**, Kuntiya, A., Chaiyaso, T., Hanmoungjai, P., Leksawasdi, N., Techapun, C. 2012. Enhancement of exopolysaccharide production by *Lactobacillus confusus* with pH-controlled fermentation under high salinity

stress. IBS 2012 15th International Biotechnology Symposium and Exhibition, September 16-21, 2012. EXCO, Daegu, Korea.

Tantiwa, N., Toom-ngern, H., Ninlapackdee, T., Kuntiya, A. and **Seesuriyachan, P.** 2012. High efficiency of phenol biodegradation by newly isolated thermophilic *Geobacillus stearothermophilus* TISTR 1977 in semi-continuous system. International conference on Food and applied bioscience. 6-7 February 2012. Kantary Hill Hotel., Chiang Mai, Thailand.