

Ruamporn Nikhom

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Education

- Ph.D. (Chemical Engineering), Prince of Songkla University, Thailand, 2013
- M.Eng. (Chemical Engineering), Prince of Songkla University, 2006
- B.Sc. (Material Product Technology), Prince of Songkla University, 2003



Research Interest

Renewable Energy Technology
Biodiesel Technology
Zero Waste Process



Publications

- Nikhom, R. Waisuwan, T., Klinpikul, S., Suthummanon, S., Supalakpanya, K. and Tongurai, C. (2014) "Development of Continuous Deglycerolisation Reactor for Ethyl Ester Production," *KKU Engineering Journal*. 41(4), 499-505. (In Thai)
- Nikhom, R. and Tongurai, C. (2014). "Production Development of Ethyl Ester Biodiesel from Palm Oil Using a Continuous Deglycerolisation Process," *Fuel*. 117, 926-931.
- Nikhom, R., Kungsanant, S., Rattanawilai, S., Nuthong, P. and Tongurai, C. (2011). "Characterization of Glycerol-Ester Emulsions from Transesterification with Different Alcohols Using the CLSM Technique," *Int. J. Renewable Energy Research*. 1(4), 245-251.
- Suppalakpanya, K., Rattanawilai, S., Nikhom, R. and Tongurai, C. (2011). "Production of Ethyl Ester from Crude Palm Oil by Two-step Reaction using Continuous Microwave System," *Songklanakarin Journal of Science and Technology*. 33(1), 79-86.

Tongurai, C. and Nikhom, R. (2008). “Approximately Analysis of Total Glyceride Content in Biodiesel by Transesterification using Microwave Radiation Technique”. Thailand Petty Patent 5060. (In Thai)



Conference Proceeding

Nikhom, R., Mueanmas, C. and Tongurai, C. (2016). “Waste oil separated process from wastewater of biodiesel plant for reprocess as raw material in biodiesel production” The 26th of Thaksin University Conference “Integrating Research into the Society”. 26-29 May, Songkla, Thailand. (In Thai)

Nikhom, R., Sukmanee, S. and Tongurai, C. (2010). “Phase Separation and Dry Wash Purification of Ethyl Ester from Refined Palm Oil,” Proceedings of the 2010 International Conference on Chemical Engineering and Applications, CCEA 2010. 26-28 February, Singapore.

Nikhom, R., Tongurai, C. and Photaworn, S. (2009). “Palm Oil with Dry Washing by Ion Exchange Resin,” The 19th Thai Institute of Chemical Engineering and Applied. 26-27 October, Kanchanaburi, Thailand.