



Ampira Charoensaeng, PhD

Assistant Professor

ampira.c@chula.ac.th

02 2181804

Education

- Ph.D. in Environmental Management Chulalongkorn University, Bangkok, Thailand, 2008
- M.S. in Environmental Management Chulalongkorn University, Bangkok, Thailand, 2004
- B.S. General Science Chulalongkorn University, Bangkok, Thailand, 2002

บทความวิชาการ

1. Arpornpong, N., Sabatini, D.A., Khaodhiar, S., Charoensaeng, A. 2015. "Life cycle assessment of palm oil microemulsion-based biofuel." The International Journal of Life Cycle Assessment 20, 7: 913-926.
2. Arpornpong, N., Attaphong, C., Charoensaeng, A., Sabatini, D. A., Khaodhiar, S. 2014. "Ethanol-in-Palm Oil/Diesel Microemulsion-Based Biofuel: Phase Behavior, Viscosity, and Droplet Size." Fuel, 132: 101–106.
3. Arpornpong, N., Charoensaeng, A., Sabatini, D. A., Khaodhiar, S., 2013. "Adsolubilization and Solubilization of Styrene Using Anionic Extended Carboxylic Surfactants on an Aluminum Oxide Surface." Journal of Surfactants and Detergents 16, 3: 291-298.
4. Attaphong, C., Sorrasuchart, N., Arpornpong, N., Charoensaeng, A., Khaodhiar, S., Sabatini, D. 2017. "Phase Behaviors and Fuel Properties of Palm Oil-based Microemulsion Biofuels Using Sugar-based Surfactants." EEEEIC 2017 2, 2: Special Issue 17th.
5. Pengpreecha, S., Arpornpong, N., Charoensaeng, A., Khaodhiar, S. 2014. "Microemulsion fuels from vegetable oil based renewable resource using mixed nonionic surfactant and cosurfactant systems." International Conference on Advances in Civil, Structural, Environmental and Bio-Technology - CSEB 2014, Kuala Lumpur, Malaysia.
6. Anantarakitti, N., Arpornpong, N., Charoensaeng, A., Khaodhiar, S. 2014. "Effect of nonionic surfactant structure on fuel properties of microemulsion-based biofuel from palm oil (Proceeding), International Conference on

Advances in Civil, Structural, Environmental and Bio-Technology - CSEB 2014, Kuala Lumpur, Malaysia.

7. Khampaeng, C., Asnachinda, E., Sutthinon, P., Charoensaeng, A., Khaodhiar, S. 2014. "Effects of Linker Molecules to Adsorption of Rhamnolipid Biosurfactant onto Aluminum Oxide Surface." International Conference on Advances in Civil, Structural, Environmental and Bio-Technology – CSEB 2014, Kuala Lumpur, Malaysia.
8. Kittithammavong, V., Arpornpong, N., Charoensaeng, A., Khaodhiar, S. 2014. "Environmental Life Cycle Assessment of Palm oil- based Biofuel Production from Transesterification: Greenhouse gas, Energy and Water Balances." International Institute of Engineer, Singapore.
9. Arpornpong, N., Charoensaeng, A., Kittithammavong, V., Sabatini, D. A., Khaodhiar, S. 2014. "Environmental life cycle emissions for vegetable oil microemulsion-based biofuels, Ecobalance 2014." The 11th International Conference on EcoBalance, Tsukuba, Japan.
10. Ekkpowpan, P., Arpornpong, N., Charoensaeng, A., Khaodhiar, S. 2014. "Life Cycle Assessment of Biofuel from Microemulsion and Transesterification Processes." International Conference on Advances in Engineering and Technology (ICAET'2014), Singapore.
11. Kittithammavong, V., Arpornpong, N., Charoensaeng, A., Khaodhiar, S. 2014. "Environmental Life Cycle Assessment of Palm oil- based Biofuel Production from Transesterification: Greenhouse Gas, Energy and Water Balances." International Conference on Advances in Engineering and Technology (ICAET'2014), Singapore.
12. Suhlaing, C., Arpornpong, N., Khaodhiar, S., Sabatini, D. A.,

Malakul Na Ayuthaya, P., Charoensaeng, A., 2015. "Environmental Performance of Palm oil based Microemulsion Biofuels Production: Life Cycle Analysis Approach." The 21st Thailand-Korea Conference on Environmental Engineering, Chaingmai, Thailand.

13. Manaphati, S., Malakul, P., Sabatini, D. A., Charoensaeng, A. 2015. "Effect of Cosurfactant Structure on Renewable Microemulsion Fuels Properties Using Palm Oil/Diesel Blend with Ethanol." ACSEE 2015, Kobe, Japan.
14. Kaewprom, J., Charoensaeng, A., Malakul Na Ayudhaya, P., 2015. "Carbon Footprint of Organization: Case Studies of the Petroleum and Petrochemical College and Office of the President, Chulalongkorn University. 3rd ICSD 2015, Thailand.
15. Yahom, O., Malakul, P., Charoensaeng, A. 2016. "Material Flow Analysis and Life Cycle Assessment Study for Sustainable Management of Wastes of Metropolitan Electricity Authority (MEA)." ESCAPE 26 Conference, Portorož, Slovenia.