
Curriculum Vitae

Name: Cheong Kah Yein

List of Research:

Internal Grant

1. Effect of Degumming and Bleaching on 3-monochloropropane-1,2-diol (3MCPD) Esters Content in Refined Palm Oil (UCTS/RESEARCH/4/2016/02)
2. Pyrolysis of Biomass in a Self-Sustained Auger Reactor for Continuous Biochar Production. (UCTS/RESEARCH/4/2018/06)
3. Effect of Application of Palm Kernel Shell Biochar-based Fertilizer on Soil Properties and Crop Growth (UCTS/RESEARCH/4/2018/06)

List of Publications

1. **Cheong Kah Yein**, Kong Sieng Huat, Ambar Yarmo. 2018. Synthesis and Characterization of Magnetite Nanoparticles by Chemical Co-Precipitation. Borneo Journal of Sciences and Technology, 1(2): 27-31.
2. Sieng Huat Kong, Soh Kheang Loh, Robert Thomas Bachmann, Haryati Zainal, **Kah Yein Cheong**. 2019. Palm Kernel Shell Biochar Production, Characterization and Carbon Sequestration Potential. Journal of Oil Palm Research. DOI:<https://doi.org/10.21894/jopr.2019.0041>.
3. Soh Kheang Loh, **Kah Yein Cheong** and Jumat Salimon. 2017. Surface-active physicochemical characteristics of spent bleaching earth on soil-plant interaction and water-nutrient uptake: A review. Applied Clay Science 140: 59-65.

4. Soh Kheang Loh, **Kah Yein Cheong**, Yuen May Choo and Jumat Salimon. 2015. Formulation and optimization of spent bleaching earth-based bio organic fertiliser. *Journal of Oil Palm Research* 27(1): 57-66. (MPOB Best Publication Award 2015)
5. Loh, S.K., James, S., Ngatiman, M., **Cheong, K.Y.**, Choo, Y.M. and Lim, W.S. 2013. Enhancement of palm oil refinery waste – spent bleaching earth (SBE) into bio organic fertilizer and their effects on crop biomass growth. *Industrial Crops and Products* 49: 775-781.
6. **Cheong, K.Y.**, Loh, S.K. and Salimon, J. 2013. Effects of spent bleaching earth based bio organic fertilizer on growth, yield and quality of eggplants under field condition. *The 2013 UKM FST Postgraduate Colloquium: Proceedings of the Universiti Kebangsaan Malaysia, Faculty of Science and Technology 2013 Postgraduate Colloquium, 3-4 July 2013, Selangor Malaysia.*

Poster presentation:

1. **Cheong Kah Yein**, Kong Sieng Huat, Hii Siew Ling. Effects of phosphoric Acid and Bleaching Clay on Monochloropropanediol Ester (MCPD) and Glycidol Esters (GE) content in Palm Oil. *Books of Abstracts National Seminar on Palm Oil Milling, Refining, Environment and Quality, 27-28th November 2018, Kuala Lumpur, Malaysia.*

List of Awards:

1. Best Publication Award (Malaysian Palm Oil Board) 2017 (Journal title: Surface-active physicochemical characteristics of spent bleaching earth on soil-plant interaction and water-nutrient uptake: A review.