KASETSART UNIVERSITY
FACULTY OF AGRO-INDUSTRY

Asst. Prof.Ulaiwan Withayagiat

Biotechnology Department, Faculty of Agro-Industry, Kasetsart University

Tel: +66-2562-5074 #5350 email: fagiulw@ku.ac.th

Education

วท.ด.(เทคโนโลยีชีวภาพ)

วท.ม.(เทคโนโลยีชีวภาพ)

วท.บ.(เทคโนโลยีอาหาร)

Expertise

Malting and Brewing technology, Beverage Technology

Selected Works

1. Atchareeya Nakkarach, Hooi Ling Foo, , Adelene Ai-Lian Song, Nur Elina Abdul Mutalib, Sunee Nitisinprasert and Ulaiwan Withayagiat. 2021. Anti-cancer and anti-inflammatory effects elicited by short chain fatty acids produced by Escherichia coli isolated from healthy human gut microbiota. Microb Cell Fact. 20:36, 1-17.
2. Atchareeya Nakkarach, Hooi Ling Foo, Adelene Ai-Lian Song, Sunee Nitisinprasert
3. Ulaiwan Withayagiat. 2020. Promising discovery of beneficial Escherichia coli in the human gut. 3Biotech. 10: 296, 1-14.
4. Nattakan Keesod, Wilawan Sintuprapa, JinJing Wang, Qi Li, Ulaiwan Withayagiat. 2020.Isolation and characterization of a new low-diacetyl-producing yeast for fermentation of rice beer using high- and low-gravity wort. Agriculture and Natural Resources. 54, 48–54.
5. Chaiwat Ngasan, Chinnathan Areeprasert, Anutin Pattamasuwan, Ulaiwan Withayagiat. 2020. A fixed bed column using bagasse ash for brine wastewater treatment from the sugar refining process. Poll Res.39(3) : 606-617.
6. Chaiwat Ngasan, Chinnathan Areeprasert, Georges Raoul Edouard Lionnet, Pimchanok Busayapongchai, Anutin Pattamasuwan, Ulaiwan Withayagiat. 2019. Characterization and utilization of fly ash for treatment of brine wastewater in sugar refinery. Desalination and Water treatment. 167, 133–144.

7. Chaiwat Ngasan, Chinnathan Areeprasert, Georges Raoul Edouard Lionnet, Pimchanok Busayapongchai, Anutin Pattamasuwan, Ulaiwan Withayagiat. 2019. Characterization and utilization of fly ash for treatment of brine wastewater in sugar refinery. Desalination and Water treatment. 167, 133–144.
8. "Pliansrithong, P. Usansa, U. and Wanapu. C. 2013. Increasing of nitrogenous substances in wort by using commercial enzymes and modifying mashing method. International Journal of Bioscience, Biochemistry and Bioinformatics. (3), 404-407."
9. Kongkaew, A., Usansa, U. and Wanapu, C. 2012. Optimization of wort production from rice malt using enzymes and barley malt. African Journal of Biotechnology. 11(42), 9941-9949.
10. Usansa, U., Burberg, F., Geiger, E. Back, B., Wanapu, C., Arendt, K. E., Kreisz, S., Boonkerd, N., Teaumroong N., and Zarnkow, M. 2011. Optimization of Malting Conditions for Two Black Rice Varieties, Black Non-Waxy Rice and Black Waxy Rice (Oryza sativa L. Indica). J. Inst. Brew, 117(1), 39-46.
11. Usansa, U., Sompong, N. Wanapu, C., Boonkerd N. and Teaumroong, N. 2009. The Influences of Steeping Duration and Temperature on the α- and β-Amylase Activities of Six Thai Rice Malt Cultivars(Oryza sativa L. Indica). J. Inst. Brew. 115(2): 140-147.