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APPENDIX

LIST OF PUBLICATIONS

1. International Journal

(1) **Saraphirom P**, Reungsang A. Optimization of biohydrogen production from sweet sorghum syrup using statistical methods. **Int J Hydrogen Energy** 2010; 35: 3435-3444.

(2) **Saraphirom P**, Reungsang A. Biological hydrogen production from sweet sorghum syrup by mixed cultures using an anaerobic sequencing batch reactor (ASBR). **Int J Hydrogen Energy** 2010; doi:10.1016/j.ijhydene.2010.08.058.

(3) **Saraphirom P**, Reunsang A. Effect of organic loading rate on biohydrogen production from sweet sorghum syrup by anaerobic mixed cultures in anaerobic sequencing batch reactor. **Int J Energy** 2010; 4: 55-62.

2 Proceeding

(1) **Saraphirom P,** Reungsang A. Optimization of biohydrogen production from sweet sorghum syrup using statistical methods. Proceeding of The 2008 Asian Bio-Hydrogen Symposium. December 26th-28th, 2008, Harbin , China. pp. 108-122. (Poster presentation)

(2) **Saraphirom P**, Reungsang A. Biological hydrogen production from sweet sorghum syrup by mixed cultures using an anaerobic sequencing batch reactor (ASBR). Book of Abstract of The 2009 Asian Bio-Hydrogen Symposium. August 26th-28th, 2009, Kosa Hotel, Khon Kaen, Thailand. p. 54. (Oral presentation)

(4) **Saraphirom P**, Reungsang A. Performance evoluation of anaerobic sequencing batch reactor for hydrogen production from sweet sorghum syrup by anaerobic mixed cultures. Abstract of TSB 2010 International Conference on Biotechnology for Healthy Living. October 20-22, 2010, Prince of Songkla University, Trang Campus, Thailand. p. 78. (Oral presentation)

(5) **Saraphirom P**, Reungsang A. Performance evoluation of anaerobic sequencing batch reactor for hydrogen production from sweet sorghum syrup by anaerobic mixed cultures. The 2010 Asian Bio-Hydrogen Symposium. November 15th-20th, 2010, Feng Chia University, Taichung, Taiwan. pp. 128-139. (Oral presentation)

(6) **Saraphirom P**, Reungsang A. Effect of organic loading rate on biohydrogen production from sweet sorghum syrup by anaerobic mixed cultures in anaerobic sequencing batch reactor. 6th IASME / WSEAS International Conference on ENERGY & ENVIRONMENT (EE '11), University of Cambridge, Cambridge, UK. pp. 128-133. (Oral presentation)

VITAE

Saraphirom, Piyawadee received her B.S. degree in Biology from Mahasarakhum University, Thailand in 1998 and M.S. degrees in Biotechnology from Khon Kaen University, Thailand in 2005. She was obtained a Ph. D. in the Department of Biotechnology, Khon Kaen University in 2011. Her research focus is in the field of bio-hydrogen production from biomass. Her current research topics are development of bio-hydrogen production from sweet sorghum syrup by anaerobic mixed cultures and a utilization of hydrogenogenic effluent for polyhydroxyalkanoates production. She is currently a lecturer of the Biology Department, Science and Technology Faculty, Rajabhat Mahasarakham University, Mahasarakhum, Thailand.