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Education

Ph.D. (Chemical Engineering with Designated Emphasis in Biotechnology), University of California, Davis

วศ.ม. (วิศวกรรมเคมี) จุฬาลงกรณ์มหาวิทยาลัย

วท.บ.(เทคโนโลยีชีวภาพ) มหาวิทยาลัยเกษตรศาสตร์

Expertise

Biochemical Engineering Fermentation Technology Recombinant Protein Expression in Plants

Selected Works

1. Rachamontree P., T. Douzou, K. Cheenkachorn, M. Sririyanun and K. Rattanaporn. 2020. Furfural: A Sustainable Platform Chemical and Fuel. Applied Science and Engineering Progress. 13 (1):1-8
2. Rattanaporn, K., M. Cahyadi, K. Kato and W. Boonsupthip. 2019. Carrangeenan cryoprotectant of frozen coconut meat. Italian Journal of Food Science 31(5 special): 210-216
3. Sririyanun, M., Mutrakulcharoen, P., Tapaamorndech, S., Cheenkachorn, K., and K. Rattanaporn. 2019. A rapid spectrophotometric method for quantitative determination of ethanol in fermentation products. Oriental Journal of Chemistry. 35(2): 1-7
4. Rattanaporn, K., P. Tantayotai, T. Phusantisampan, P. Pornwongthong, and M. Sririyanun. 2018. Organic acid pretreatment of oil palm trunk: effect on enzymatic saccharification and ethanol production. Bioprocess and Biosystem Engineering. 41(4): 467-477
5. Tantayotai, P., Rattanaporn, K., Tapaamorndech, S., Cheenkachorn, K., Sririyanun, M. Analysis of an Ionic Liquid and Salt Tolerant Microbial Consortium Which is Useful for Enhancement of Enzymatic Hydrolysis and Biogas Production. Waste and Biomass Valorization, 2017, <https://doi.org/10.1007/s12649-017-0186-5>
6. Rattanaporn K., Roddecha S., Sririyanun M., Cheenkachorn K. Improving Saccharification of Oil Palm Shell by Acetic Acid Pretreatment for Biofuel Production. Energy Procedia, 2017; 141: 146-149

7. Wadeesirisak, K., Castano, S., Berthelot, K., Vaysse, L., Bonfils, F., Peruch, F., Rattanaporn, K., Liengprayoon, S., Lecomte, S., Bottier, C. Rubber particle proteins REF1 and SRPP1 interact differently with native lipids extracted from *Hevea brasiliensis* latex. *Biochimica et Biophysica Acta - Biomembranes*, 2017; 1859 (2): 201-210
8. Tantayotai, P., Rachmontree, P., Rodiahwati, W., Rattanaporn, K., Sriariyanun, M. Production of Ionic Liquid-tolerant Cellulase Produced by Microbial Consortium and its Application in Biofuel Production. *Energy Procedia*, 2016; 10: 155-159
9. Amnuaycheewa P., Hengaronprasan R., Rattanaporn K., Kirdponpattara S, Cheenkachorn K, and Malinee Sriariyanun, Enhancing enzymatic hydrolysis and biogas production from rice straw by pretreatment with organic acids. *Industrial Crops and Products*. 2016 ;87: 247-254