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Education

Ph.D. (Food Science & Technology), Mississippi State University

M.S. (Biological System Engineering), Virginia Polytechnic Institute and State University

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Expertise

Valorization of biomass in biorefinery technology

Selected Works

1. Tareen, A.S., I.N. Sultan, K. Songprom, N. Laemsak, S. Sirisanasneeyakul, W. Vanichsiratana and P. Parakulsuksatid. 2021. Two-step pretreatment of oil palm trunk for ethanol production by thermotolerant *Saccharomyces cerevisiae* SC90. *Bioresour. Technol.* 320: 124298.
2. Pan-utai, W., N. Poopat, P. Parakulsuksatid. 2020. Photoautotrophic cultivation of *Arthrospira maxima* for protein accumulation under minimum nutrient availability. *Appl. Food. Biotechnol.* 7(4): 225-234.
3. Srinophakun, P., A. Thanapimmetha, T. R. Srinophakun, P. Parakulsuksatid. C. Sakdaronnarong, M. Vilaipan, M. Saisriyoot. 2020. Techno-Economic analysis for bioethanol plant with multilignocellulosic feedstocks. *Int. J. Renew. Energ. Develop.* 9(3): 319-328.
4. Sultan, I.N., S. Keawsompong, P. Kongsaree, and P. Parakulsuksatid. 2020. Heterologous cellulose genes expression and post-translational modifications analysis of recombinant *Saccharomyces cerevisiae*. *Int. J. Emerg. Technol.* 11(5): 180-187.
5. Sultan, I.N., S. Keawsompong, P. Kongsaree, and P. Parakulsuksatid. 2020. Formulation of an efficient combinatorial cellulose cocktail by comparative analysis of Gibson assembly and NEBuilder HiFi DNA assembly modus operandi. *Int. J. Emerg. Technol.* 11(4): 490-495.
6. Tareen, A.S., V. Punsuvon, and P. Parakulsuksatid. 2020. Investigation of alkaline hydrogen peroxide pretreatment to enhance enzymatic hydrolysis and phenolic compounds of oil palm trunk. *3 Biotech.* 10:179.

7. Tareen, A.S., V. Punsuvon, and P. Parakulsuksatid.2020. Conversion of steam exploded hydrolyzate of oil palm trunk to furfural by using sulfuric acid, and base catalysts in on pot. Energy Source. Part A: Recov, Utilize. Env. Effects. <https://doi.org/10.1080/15567036.2020.1741733>.