

Dr. Boontiwa Ninchan

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Education

Ph.D. (Biotechnology), Kasetsart University

M.Sc. (Biotechnology), Kasetsart University

B.Sc. (Biotechnology), Kasetsart University

Expertise

sucrochemistry and sugar technology

Selected Works

1. **Ninchan, B.** and C. Noidee. 2021. Optimization of oligofructans production from sugarcane juice fermentation using *Bacillus subtilis* TISTR001. *Agricultural and Natural Resources*, 55(6): 1005-1014. <https://doi.org/10.34044/j.anres.2021.55.6.11>
2. **Ninchan, B.**, C. Sirisatesuwan, K. Rattanaporn, and K. Sriroth. 2021. Understanding and efficiently manipulating environmental stress caused by metal ions to improve ethanol fermentation. *Applied Science and Engineering Progress*, 15(3): 1-12. ONLINE: 9 June 2021. DOI: 10.14416/j.asep.2021.06.004
3. **Ninchan, B.** and C. Noidee. 2021. Production and prebiotic properties of oligofructans from sugarcane juice fermentation by *Bacillus subtilis* TISTR 001. *3 Biotech*, 11(5): 1-11. DOI:10.1007/s13205-021-02757-0
4. Saothong, P., **B. Ninchan**, K. Sriroth, K. Rattanaporn and W. Vanichsriratana. 2021. Kinetics of *Saccharomyces cerevisiae* fermentation under metal ions stress during ethanol production. *Walailak Journal of Science and Technology*. 18(6): 1-10. <https://doi.org/10.48048/wjst.2021.9133>
5. Sirisatesuwon, C., **B. Ninchan** and K. Sriroth. 2020. Effects of inhibitors on kinetic properties of invertase from *Saccharomyces cerevisiae*. *Sugar tech* 22(2): 274-283. <https://doi.org/10.1007/s12355-019-00757-2>

6. Saothong, P., **B. Ninchan**, K. Sriroth and W. Vanichsiratana. 2019. The optimization of molasses pretreatment to improve the efficiency of ethanol production, p.11. *In* Proceeding of International Conference SUGARCON-2019: Green Technologies for Sustainable Development of Sugar & Integrated Industries. February 16-19, 2019. Lucknow, India
7. **Ninchan, B.**, P. Saothong, W. Vanichsiratana, K. Sriroth. 2017. Comparison of the kinetic behavior of dextranase and pullulanase applied to pan boiling: Laboratory and factory trails. *International Sugar Journal*. 119(1418): 116-121.
8. **Ninchan, B.**, W. Vanichsiratana, K. Sriroth. 2016. “Comparison of kinetic Behaviors of Dextranase and Pullulanase Applied to Massecuite A and C” *In* Report and Abstract of the Proceedings of the International Society of Sugar Cane Technologists. The 29th ISSCT congress 2016. December 5-8, 2016 Chiang Mai, Thailand.
9. **Ninchan, B.**, W. Vanichsiratana, K. Sriroth. 2016. Investigation of the optimized dextran-degrading enzyme conditions on the decomposition of different molecular weights of pure dextran using response surface methodology. *Archives of Industrial Biotechnology*. 1(1): 8-19.
10. **Ninchan, B.**, P. Saothong, C. Sirisatesuwan, A. Jangchud, WOS. Doherty, K. Sriroth. 2016. Comparison of methods for dextran analysis: effect of sugar and dextran concentrations. *International Sugar Journal*. 118(1408): 260-267.