

REFERENCES

- Abdel-Banat, B. M. A., Hoshida, H., Ano, A., Nonklang, S., & Akada, R. (2010). High-temperature fermentation: how can processes for ethanol production at high temperatures become superior to the traditional process using mesophilic yeast? *Applied Microbiology and Biotechnology*, 85(4), 861-867. doi:10.1007/s00253-009-2248-5
- Aditiya, H. B., Mahlia, T. M. I., Chong, W. T., Nur, H., & Sebayang, A. H. (2016). Second generation bioethanol production: A critical review. *Renewable and Sustainable Energy Reviews*, 66, 631-653. doi:<https://doi.org/10.1016/j.rser.2016.07.015>
- Agustini, L. (2019). *Biodiversitas mikroorganisme yang diisolasi dari proses pembuatan minuman beralkohol 'ciu' di jawa tengah*. Paper presented at the Seminar Nasional Biologi dan Pendidikan Biologi UKSW 2019 Salatiga.
- Alam, M. S., & Tanveer, M. S. (2020). Chapter 5 - Conversion of biomass into biofuel: a cutting-edge technology. In L. Singh, A. Yousuf, & D. M. Mahapatra (Eds.), *Bioreactors* (pp. 55-74): Elsevier.
- Andriani, M. (1993). *Characterization of yeast in bekonang ciu fermentation*. (Master Thesis), Universitas Gadjah Mada, Yogyakarta.
- Apiwatanapiwat, W., Prapassorn, R., Pilanee, V., Warunee, T., Akihiko, K., Takamitsu, A., Yutaka, M., & Yoshinori, M. (2013). Ethanol production at high temperature from cassava pulp by a newly isolated *Kluyveromyces marxianus* strain, TISTR 5925. *AIMS Energy*, 1(1), 3-16. doi:10.3934/energy.2013.1.3
- Ardhana, M. M., & Fleet, G. H. (1989). The microbial ecology of tape ketan fermentation. *International Journal of Food Microbiology*, 9(3), 157-165. doi:[https://doi.org/10.1016/0168-1605\(89\)90086-X](https://doi.org/10.1016/0168-1605(89)90086-X)
- Arora, R., Behera, S., & Kumar, S. (2015). Bioprospecting thermophilic/thermotolerant microbes for production of lignocellulosic ethanol: A future perspective. *Renewable and Sustainable Energy Reviews*, 51, 699-717. doi:<https://doi.org/10.1016/j.rser.2015.06.050>
- Aruwajoye, G. S., Sewsynker-Sukai, Y., & Kana, E. B. G. (2020). Valorisation of cassava peels through simultaneous saccharification and ethanol production: Effect of prehydrolysis time, kinetic assessment and preliminary scale up. *Fuel*, 278, 118351. doi:<https://doi.org/10.1016/j.fuel.2020.118351>
- Aslanzadeh, S., Ishola, M. M., Richards, T., & Taherzadeh, M. J. (2014). Chapter 1 - An Overview of Existing Individual Unit Operations. In N. Qureshi, D. B. Hodge, & A. A. Vertès (Eds.), *Biorefineries* (pp. 3-36). Amsterdam: Elsevier.
- Aung, W., Watanabe, Y., & Hashinaga, F. (2012). Isolation and Phylogenetic Analysis of Two Thermotolerant, Fermentative Yeast Strains from Liquid

- Tap´ Ketan (Indonesian Rice Wine). *Food Science and Technology Research*, 18(2), 143-148. doi:10.3136/fstr.18.143
- Banerjee, S., Mudliar, S., Sen, R., Giri, B., Satpute, D., Chakrabarti, T., & Pandey, R. A. (2010). Commercializing lignocellulosic bioethanol: technology bottlenecks and possible remedies. *Biofuels, Bioproducts and Biorefining*, 4(1), 77-93. doi:<https://doi.org/10.1002/bbb.188>
- Barus, T., & Steffysia. (2013). Genetic diversity of yeasts from Ragi tape “starter for cassava and glutinous rice fermentation from Indonesia” Internal Transcribed Spacer (ITS) region. *Merit Research Journal of Food Science and Technology*, 1(3), 31-35.
- Behera, S., Singh, R., Arora, R., Sharma, N. K., Shukla, M., & Kumar, S. (2015). Scope of Algae as Third Generation Biofuels. *Frontiers in Bioengineering and Biotechnology*, 2. doi:10.3389/fbioe.2014.00090
- Binod, P., Janu, K. U., Sindhu, R., & Pandey, A. (2011). Chapter 10 - Hydrolysis of Lignocellulosic Biomass for Bioethanol Production. In A. Pandey, C. Larroche, S. C. Ricke, C.-G. Dussap, & E. Gnansounou (Eds.), *Biofuels* (pp. 229-250). Amsterdam: Academic Press.
- Bisgaard, T., Mauricio-Iglesias, M., Huusom, J. K., Gernaey, K. V., Dohrup, J., Petersen, M. A., & Abildskov, J. (2017). Adding Value to Bioethanol through a Purification Process Revamp. *Industrial & Engineering Chemistry Research*, 56(19), 5692-5704. doi:10.1021/acs.iecr.7b00442
- Boudjema, K., Fazouane-naimi, F., & Hellal, A. (2016). Isolation, identification of yeast strains producing bioethanol and improvement of bioethanol production on cheese whey / Biyoetanol üreten maya türlerinin izolasyonu, tanılması ve peynir altı suyunda biyoetanol üretiminin sağıklaştırılması. *Turkish Journal of Biochemistry*, 41(3), 157-166. doi:doi:10.1515/tjb-2016-0026
- Breuninger, W. F., Piyachomkwan, K., & Sriroth, K. (2009). Chapter 12 - Tapioca/Cassava Starch: Production and Use. In J. BeMiller & R. Whistler (Eds.), *Starch (Third Edition)* (pp. 541-568). San Diego: Academic Press.
- Capodaglio, A. G., & Bolognesi, S. (2019). 2 - Ecofuel feedstocks and their prospects. In K. Azad (Ed.), *Advances in Eco-Fuels for a Sustainable Environment* (pp. 15-51): Woodhead Publishing.
- Cappuccino, J. G., & Welsh, C. (2019). *Microbiology : a laboratory manual* (Twelfth edition ed.). New York: Pearson.
- Carpio, L. G. T., & Simone de Souza, F. (2017). Optimal allocation of sugarcane bagasse for producing bioelectricity and second generation ethanol in Brazil: Scenarios of cost reductions. *Renewable Energy*, 111, 771-780. doi:<https://doi.org/10.1016/j.renene.2017.05.015>
- Chen, H. (2015). 3 - Lignocellulose biorefinery feedstock engineering. In H. Chen (Ed.), *Lignocellulose Biorefinery Engineering* (pp. 37-86): Woodhead Publishing.
- Choudhary, J., Singh, S., & Nain, L. (2016). Thermotolerant fermenting yeasts for simultaneous saccharification fermentation of lignocellulosic biomass. *Electronic Journal of Biotechnology*, 21, 82-92. doi:<https://doi.org/10.1016/j.ejbt.2016.02.007>

- Cronk, T. C., Mattick, L. R., Steinkraus, K. H., & Hackler, L. R. (1979). Production of Higher Alcohols During Indonesian Tapé Ketan Fermentation. *Applied and Environmental Microbiology*, 37(5), 892-896. doi:10.1128/aem.37.5.892-896.1979
- Cronk, T. C., Steinkraus, K. H., Hackler, L. R., & Mattick, L. R. (1977). Indonesian Tapé Ketan Fermentation. *Applied and Environmental Microbiology*, 33(5), 1067-1073. doi:10.1128/aem.33.5.1067-1073.1977
- Dahman, Y., Syed, K., Begum, S., Roy, P., & Mohtasebi, B. (2019). 14 - Biofuels: Their characteristics and analysis. In D. Verma, E. Fortunati, S. Jain, & X. Zhang (Eds.), *Biomass, Biopolymer-Based Materials, and Bioenergy* (pp. 277-325): Woodhead Publishing.
- Dalena, F., Senatore, A., Iulianelli, A., Di Paola, L., Basile, M., & Basile, A. (2019). Chapter 2 - Ethanol From Biomass: Future and Perspectives. In A. Basile, A. Iulianelli, F. Dalena, & T. N. Veziroğlu (Eds.), *Ethanol* (pp. 25-59): Elsevier.
- de Souza, C. J. A., Costa, D. A., Rodrigues, M. Q. R. B., dos Santos, A. F., Lopes, M. R., Abrantes, A. B. P., dos Santos Costa, P., Silveira, W. B., Passos, F. M. L., & Fietto, L. G. (2012). The influence of presaccharification, fermentation temperature and yeast strain on ethanol production from sugarcane bagasse. *Bioresource Technology*, 109, 63-69. doi:<https://doi.org/10.1016/j.biortech.2012.01.024>
- Djuma'ali, D. a., Nonot, S., Sumarno, S., Dyah, P., & Wahono, S. (2011). Cassava Pulp as a Biofuel Feedstock of an Enzymatic Hydrolysis Process. *Makara Journal of Technology*, 15(2).
- Edeh, I. (2021). Bioethanol Production: An Overview *Bioethanol Technologies*: IntechOpen.
- Fahmi, I. (2016). *ISOLASI DAN SELEKSI YEAST PENGHASIL ETANOL DARI BUAH NANGKA (Artocarpus heterophyllus)*. (Undergraduate), Universitas Gadjah Mada, Yogyakarta. Retrieved from <http://etd.repository.ugm.ac.id/penelitian/detail/101884>
- Fleet, G. (2003). Yeasts in fruit and fruit products (pp. 267-287).
- Galbe, M., Wallberg, O., & Zacchi, G. (2011). 6.47 - Techno-Economic Aspects of Ethanol Production from Lignocellulosic Agricultural Crops and Residues. In M. Moo-Young (Ed.), *Comprehensive Biotechnology (Second Edition)* (pp. 615-628). Burlington: Academic Press.
- Gangadharan, D., & Sivaramakrishnan, S. (2009). Amylolytic Enzymes. In P. Singh nee' Nigam & A. Pandey (Eds.), *Biotechnology for Agro-Industrial Residues Utilisation: Utilisation of Agro-Residues* (pp. 359-369). Dordrecht: Springer Netherlands.
- Gladis, A., Bondesson, P.-M., Galbe, M., & Zacchi, G. (2015). Influence of different SSF conditions on ethanol production from corn stover at high solids loadings. *Energy Science & Engineering*, 3(5), 481-489. doi:<https://doi.org/10.1002/ese3.83>
- Han, L., Feng, J., Zhang, S., Ma, Z., Wang, Y., & Zhang, X. (2012). Alkali pretreated of wheat straw and its enzymatic hydrolysis. *Brazilian Journal of Microbiology*, 43(1), 53-61. doi:10.1590/s1517-83822012000100006

- Hoyer, K., Galbe, M., & Zacchi, G. (2009). Production of fuel ethanol from softwood by simultaneous saccharification and fermentation at high dry matter content. *Journal of Chemical Technology & Biotechnology*, 84(4), 570-577. doi:<https://doi.org/10.1002/jctb.2082>
- Husin, N. A., Rahman, S., Karunakaran, R., & Bhore, S. J. (2018). A review on the nutritional, medicinal, molecular and genome attributes of Durian (*Durio zibethinus* L.), the King of fruits in Malaysia. *Bioinformation*, 14(6), 265-270.
- iKnowZyme® GA 200 L. (2022). In L. Reach Biotechnology CO. (Ed.). Bangkok, Thailand.
- iKnowZyme®HTAA 40 L. (2022). In L. Reach Biotechnology CO. (Ed.). Bangkok, Thailand.
- Ivana, J. (2019). *Performa Yeast yang Diisolasi dari Laru Ciu Bekonang Berdasarkan Pemodelan Matematika dan Kinetika Fermentasi*. (Undergraduate Thesis), Universitas Kristen Duta Wacana, Yogyakarta.
- Kalayanamitra, K., Sornsrivichai, J., & Yantarasri, T. (2005). *MODEL FOR EVALUATION OF MATURITY INDEX OF DURIAN FRUIT (DURIO ZIBETHINUS MURRAY Â'MONTHONGÂ')*.
- Karimi, K., & Chisti, Y. (2017). Bioethanol Production and Technologies. In M. A. Abraham (Ed.), *Encyclopedia of Sustainable Technologies* (pp. 273-284). Oxford: Elsevier.
- Kartawiria, I. S., Serafin, L., & Abimanyu, H. (2019). Effect of the substrate concentration and the stirring rate on the enzymatic hydrolysis of cellulose from pre-treated corn cob. derivation of a kinetic model. *Journal of Chemical Technology and Metallurgy*, 54(4), 688-694.
- Kassim, M. A., Meng, T. K., Kamaludin, R., Hussain, A. H., & Bukhari, N. A. (2022). Chapter 9 - Bioprocessing of sustainable renewable biomass for bioethanol production. In S. Yusup & N. A. Rashidi (Eds.), *Value-Chain of Biofuels* (pp. 195-234): Elsevier.
- Keo-oudone, C., Nitiyon, S., Sotitham, P., Tani, A., Lertwattanasakul, N., Yuangsaard, N., Bounphanmy, S., Limtong, S., & Yamada, M. (2016). Isolation and characterization of thermotolerant ethanol-fermenting yeasts from Laos and application of whole-cell matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF/MS) analysis for their quick identification. *African Journal of Biotechnology*, 15(6). doi:10.5897/AJB2015.14984
- Khanpanuek, S., Lunprom, S., Reungsang, A., & Salakkam, A. (2022). Repeated-batch simultaneous saccharification and fermentation of cassava pulp for ethanol production using amylases and *Saccharomyces cerevisiae* immobilized on bacterial cellulose. *Biochemical Engineering Journal*, 177, 108258. doi:<https://doi.org/10.1016/j.bej.2021.108258>
- Kosaka, T., Lertwattanasakul, N., Nadchanok Rodrussamee, N., Nurcholis, M., Dung, N. T. P., Keo-Oudone, C., Murata, M., Götz, P., Constantinos Theodoropoulos, C., Suprayogi, S., Maligan, J. M., & Yamada, S. L. M. (2018). Potential of Thermotolerant Ethanologenic Yeasts Isolated from ASEAN Countries and Their Application in High-Temperature

- Fermentation. In T. P. B. L. C. Basso (Ed.), *Fuel Ethanol Production from Sugarcane*: IntechOpen. doi:<https://doi.org/10.5772/intechopen.79144>
- Kosaric, N. (2001). Ethanol – Potential Source of Energy and Chemical Products. *Biotechnology Set*, 121-203. doi:<https://doi.org/10.1002/9783527620999.ch4f>
- Kumar, A., Minuye, N., Ayele, Y., & Yadav, M. (2018). A review of factors affecting enzymatic hydrolysis of pretreated lignocellulosic Biomass. *Research Journal of Chemistry and Environment*, 22, 62-67.
- Kunamalla, A., Mailaram, S., Shrirame, B. S., Kumar, P., & Maity, S. K. (2022). Chapter 1 - Hydrocarbon biorefinery: A sustainable approach. In S. K. Maity, K. Gayen, & T. K. Bhowmick (Eds.), *Hydrocarbon Biorefinery* (pp. 1-44): Elsevier.
- Kurtzman, C. P., Fell, J. W., Boekhout, T., & Robert, V. (2011). Chapter 7 - Methods for Isolation, Phenotypic Characterization and Maintenance of Yeasts. In C. P. Kurtzman, J. W. Fell, & T. Boekhout (Eds.), *The Yeasts (Fifth Edition)* (pp. 87-110). London: Elsevier.
- Law, S. V., Fatimah, A. B., Dzulkifly, M. H., & Azizah, A. H. (2011). Popular fermented foods and beverages in Southeast Asia. *International Food Research Journal*, 8(2), 475 - 484.
- Lerdlattaporn, R., Phalakornkule, C., Trakulvichean, S., & Songkasiri, W. (2021). Implementing circular economy concept by converting cassava pulp and wastewater to biogas for sustainable production in starch industry. *Sustainable Environment Research*, 31(1), 20. doi:10.1186/s42834-021-00093-9
- Liu, Y., Xu, J., Zhang, Y., Yuan, Z., He, M., Liang, C., Zhuang, X., & Xie, J. (2015). Sequential bioethanol and biogas production from sugarcane bagasse based on high solids fed-batch SSF. *Energy*, 90, 1199-1205. doi:<https://doi.org/10.1016/j.energy.2015.06.066>
- López-Linares, J. C., Romero, I., Cara, C., Ruiz, E., Moya, M., & Castro, E. (2014). Bioethanol production from rapeseed straw at high solids loading with different process configurations. *Fuel*, 122, 112-118. doi:<https://doi.org/10.1016/j.fuel.2014.01.024>
- Lynd, L. R., Liang, X., Bidy, M. J., Allee, A., Cai, H., Foust, T., Himmel, M. E., Laser, M. S., Wang, M., & Wyman, C. E. (2017). Cellulosic ethanol: status and innovation. *Current Opinion in Biotechnology*, 45, 202-211. doi:<https://doi.org/10.1016/j.copbio.2017.03.008>
- Mironova, G. F., Skiba, E. A., & Kukhlenko, A. A. (2019). Optimization of pre-saccharification time during dSSF process in oat-hull bioethanol technology. *3 Biotech*, 9(12), 455. doi:10.1007/s13205-019-1988-x
- Mohd Ali, M., Hashim, N., Aziz, S. A., & Lasekan, O. (2020). Exploring the chemical composition, emerging applications, potential uses, and health benefits of durian: A review. *Food Control*, 113, 107189. doi:<https://doi.org/10.1016/j.foodcont.2020.107189>
- Mohd Azhar, S. H., Abdulla, R., Jambo, S. A., Marbawi, H., Gansau, J. A., Mohd Faik, A. A., & Rodrigues, K. F. (2017). Yeasts in sustainable bioethanol

- production: A review. *Biochemistry and Biophysics Reports*, 10, 52-61.
doi:<https://doi.org/10.1016/j.bbrep.2017.03.003>
- Moodley, P. (2021). 1 - Sustainable biofuels: opportunities and challenges. In R. C. Ray (Ed.), *Sustainable Biofuels* (pp. 1-20): Academic Press.
- Moreno, A. D., Ibarra, D., Ballesteros, I., González, A., & Ballesteros, M. (2013). Comparing cell viability and ethanol fermentation of the thermotolerant yeast *Kluyveromyces marxianus* and *Saccharomyces cerevisiae* on steam-exploded biomass treated with laccase. *Bioresource Technology*, 135, 239-245. doi:<https://doi.org/10.1016/j.biortech.2012.11.095>
- Ndubuisi, I., Nweze, J., Onoyima, N., Yoshinori, M., & Ogbonna, J. (2018). Ethanol Production from Cassava Pulp by a Newly Isolated Thermotolerant *Pichia kudriavzevii* LC375240. *Energy and Power Engineering*, 10, 457-474. doi:<https://doi.org/10.4236/epe.2018.1010029>
- Niju, S., Swathika, M., & Balajii, M. (2020). Chapter 10 - Pretreatment of lignocellulosic sugarcane leaves and tops for bioethanol production. In A. Yousuf, D. Pirozzi, & F. Sannino (Eds.), *Lignocellulosic Biomass to Liquid Biofuels* (pp. 301-324): Academic Press.
- Novozymes. (2022). Novozymes Cellic® CTec3 HS - secure your plant's lowest cost. In Novozymes (Ed.). Denmark.
- Nurcholis, M., Fernando, D., Zubaidah, E., & Maligan, J. M. (2020). Isolasi dan identifikasi ragi toleran termotoleran dan etanol pada buah-buahan lokal Indonesia (Isolation and identification of thermotolerant and ethanol-tolerant yeast on Indonesian local fruits). *Jurnal Pangan Agroindustri*, 8(3), 122-133.
- Nurcholis, M., Kurniawan, R., Kusnadi, J., & Maligan, J. M. (2021). Isolation of thermo-tolerant and ethanol-tolerant yeast from local vegetables and their potential as bioethanol producers. *IOP Conference Series: Earth and Environmental Science*, 733(1), 012135. doi:10.1088/1755-1315/733/1/012135
- Nurulhayah, U. (2017). *Isolasi dan Identifikasi Yeast Penghasil Etanol dari Buah Durian (Durio zibethinus)*. (Undergraduate), Universitas Gadjah Mada, Yogyakarta. Retrieved from <http://etd.repository.ugm.ac.id/penelitian/detail/116256>
- Paulova, L., Patakova, P., Branska, B., Rychtera, M., & Melzoch, K. (2015). Lignocellulosic ethanol: Technology design and its impact on process efficiency. *Biotechnology Advances*, 33(6, Part 2), 1091-1107. doi:<https://doi.org/10.1016/j.biotechadv.2014.12.002>
- Pelkmans, L. (2021). *IEA Bioenergy Countries' Report – Update 2021*. Retrieved from https://www.ieabioenergy.com/wp-content/uploads/2021/11/CountriesReport2021_final.pdf
- Pfeiffer, T., & Morley, A. (2014). An evolutionary perspective on the Crabtree effect. *Frontiers in Molecular Biosciences*, 1.
- Phong, H. X., Klanrit, P., Dung, N. T. P., Yamada, M., & Thanonkeo, P. (2019). Isolation and characterization of thermotolerant yeasts for the production of second-generation bioethanol. *Annals of Microbiology*, 69(7), 765-776. doi:10.1007/s13213-019-01468-5

- Phukoetphim, N., Salakkam, A., Laopaiboon, P., & Laopaiboon, L. (2017). Kinetic models for batch ethanol production from sweet sorghum juice under normal and high gravity fermentations: Logistic and modified Gompertz models. (1873-4863 (Electronic)).
- Pometto, A., Shetty, K., Paliyath, G., & Levin, R. E. (2005). *Food Biotechnology* (2nd ed.) doi:<https://doi.org/10.1201/9781420027976>
- Prakash, O., Kumar, R., Mishra, A., & Gupta, R. (2009). Artocarpus heterophyllus (Jackfruit): an overview. *Pharmacognosy Reviews*, 3(6), 353.
- Pulyaeva, V. N., Kharitonova, N. A., & Kharitonova, E. N. (2020). Advantages and Disadvantages of the Production and Using of Liquid Biofuels. *IOP Conference Series: Materials Science and Engineering*, 976(1), 012031. doi:10.1088/1757-899x/976/1/012031
- Purnomo, G. D., Lindayani, & Hartayanie, L. (2013). *Isolation and Identification of Microorganisms from Fermented Glutinous Rice Using Black Bamboo (Gigantochloa Atrovioleacea) and Sweet Bamboo (Gigantochloa Atter)*. Paper presented at the The 4 th International Conference of Indonesian Society Lactic Acid Bacteria (ISLAB), Yogyakarta.
- Ranasinghe, S., & Marapana, R. (2019). Effect of Maturity Stage on Physicochemical Properties of Jackfruit (Artocarpus heterophyllus Lam.) Flesh. 17-25. doi:10.5829/idosi.wjdfs.2019.17.25
- Rattanachomsri, U., Tanapongpipat, S., Eurwilaichitr, L., & Champreda, V. (2009). Simultaneous non-thermal saccharification of cassava pulp by multi-enzyme activity and ethanol fermentation by Candida tropicalis. *Journal of Bioscience and Bioengineering*, 107(5), 488-493. doi:<https://doi.org/10.1016/j.jbiosc.2008.12.024>
- Ritchie, H., Roser, M., & Rosado, P. (2021). Energy. *Our World in Data*. Retrieved from <https://ourworldindata.org/energy>
- Robak, K., & Balcerek, M. (2018). Review of Second Generation Bioethanol Production from Residual Biomass. *Food technology and biotechnology*, 56(2), 174-187. doi:10.17113/ftb.56.02.18.5428
- Rodrigues, F., & Ludovico, P. (2006). Sugar Metabolism in Yeasts: an Overview of Aerobic and Anaerobic Glucose Catabolism (pp. 101-121).
- Santos, E. A., Oliveira, R. B. d., Hagler, L. C. M., & Hagler, A. N. (1996). Yeasts associated with flowers and fruits from a semi-arid region of northeastern Brazil. *Rev. Microbiol*, 33-40.
- Segal-Kischinevsky, C., Romero-Aguilar, L., Alcaraz, L. D., López-Ortiz, G., Martínez-Castillo, B., Torres-Ramírez, N., Sandoval, G., & González, J. (2022). Yeasts Inhabiting Extreme Environments and Their Biotechnological Applications. *Microorganisms*, 10(4). doi:10.3390/microorganisms10040794
- Singh, R., Prakash, A., Balagurumurthy, B., & Bhaskar, T. (2015). Chapter 10 - Hydrothermal Liquefaction of Biomass. In A. Pandey, T. Bhaskar, M. Stöcker, & R. K. Sukumaran (Eds.), *Recent Advances in Thermo-Chemical Conversion of Biomass* (pp. 269-291). Boston: Elsevier.
- Siriwong, T., Laimeheriwa, B., Aini, U. N., Cahyanto, M. N., Reungsang, A., & Salakkam, A. (2019). Cold hydrolysis of cassava pulp and its use in

- simultaneous saccharification and fermentation (SSF) process for ethanol fermentation. *Journal of Biotechnology*, 292, 57-63.
doi:<https://doi.org/10.1016/j.jbiotec.2019.01.003>
- Spencer, J. F. T., & Spencer, D. M. (1997). *Yeasts in Natural and Artificial Habitats*. Paper presented at the Springer Berlin Heidelberg.
- Sree, N. K., Sridhar, M., Suresh, K., Banat, I. M., & Venkateswar Rao, L. (2000). Isolation of thermotolerant, osmotolerant, flocculating *Saccharomyces cerevisiae* for ethanol production. *Bioresource Technology*, 72(1), 43-46.
doi:[https://doi.org/10.1016/S0960-8524\(99\)90097-4](https://doi.org/10.1016/S0960-8524(99)90097-4)
- Sriroth, K., Piyachomkwan, K., Wanlapatit, S., & Oates, C. G. (2000). Cassava Starch Technology: The Thai Experience. *Starch - Stärke*, 52(12), 439-449.
doi:[https://doi.org/10.1002/1521-379X\(200012\)52:12<439::AID-STAR439>3.0.CO;2-E](https://doi.org/10.1002/1521-379X(200012)52:12<439::AID-STAR439>3.0.CO;2-E)
- Suwanagul, A. (1990). Durian fruit ripening and effect of variety, maturity stage at harvest, and atmospheric gases. *Acta horticulturae*, 269.
doi:10.17660/ActaHortic.1990.269.43
- Szczodrak, J., & Targoński, Z. (1988). Selection of thermotolerant yeast strains for simultaneous saccharification and fermentation of cellulose. *Biotechnology and Bioengineering*, 31(4), 300-303.
doi:<https://doi.org/10.1002/bit.260310404>
- Taherzadeh, M. J., & Karimi, K. (2007). Acid-based hydrolysis processes for ethanol from lignocellulosic materials: a review. *Bioresources*, 2, 472-499.
- Talukder, A. A., Easmin, F., Mahmud, S. A., & Yamada, M. (2016). Thermotolerant yeasts capable of producing bioethanol: isolation from natural fermented sources, identification and characterization. *Biotechnology & Biotechnological Equipment*, 30(6), 1106-1114.
doi:10.1080/13102818.2016.1228477
- Techaparin, A., Thanonkeo, P., & Klanrit, P. (2017). High-temperature ethanol production using thermotolerant yeast newly isolated from Greater Mekong Subregion. *Brazilian Journal of Microbiology*, 48(3), 461-475.
doi:<https://doi.org/10.1016/j.bjm.2017.01.006>
- Tikka, C., Osuru, H. P., Atluri, N., Raghavulu, P. C., Yellapu, N. K., Mannur, I. S., Prasad, U. V., Aluru, S., K. N. V., & Bhaskar, M. (2013). Isolation and characterization of ethanol tolerant yeast strains. *Bioinformation*, 9(8), 421-425.
- Tofalo, R., & Suzzi, G. (2016). Yeasts. In B. Caballero, P. M. Finglas, & F. Toldrá (Eds.), *Encyclopedia of Food and Health* (pp. 593-599). Oxford: Academic Press.
- Tse, T. J., Wiens, D. J., & Reaney, M. J. T. (2021). Production of Bioethanol—A Review of Factors Affecting Ethanol Yield. *Fermentation*, 7(4).
doi:10.3390/fermentation7040268
- Tsoutsos, T. (2010). 13 - Modelling hydrolysis and fermentation processes in lignocelluloses-to-bioalcohol production. In K. Waldron (Ed.), *Bioalcohol Production* (pp. 340-362): Woodhead Publishing.
- Vadkertiová, R., Molnárová, J., Vránová, D., & Sláviková, E. (2012). Yeasts and yeast-like organisms associated with fruits and blossoms of different fruit

- trees. *Canadian journal of microbiology*, 58, 1344-1352. doi:10.1139/cjm-2012-0468
- Vasić, K., Knez, Ž., & Leitgeb, M. (2021). Bioethanol Production by Enzymatic Hydrolysis from Different Lignocellulosic Sources. *Molecules*, 26(3). doi:10.3390/molecules26030753
- Walker, G. M., & Basso, T. O. (2020). Mitigating stress in industrial yeasts. *Fungal Biology*, 124(5), 387-397. doi:<https://doi.org/10.1016/j.funbio.2019.10.010>
- Wardaty, H. A. (2017). *Isolation of Thermotolerant Ethanol-Producing Yeast from Tape*. (Undergraduate), Universitas Gadjah Mada, Yogyakarta.
- Zentou, H., Abidin, Z. Z., Yunus, R., Awang Biak, D. R., & Korelskiy, D. (2019). Overview of Alternative Ethanol Removal Techniques for Enhancing Bioethanol Recovery from Fermentation Broth. *Processes*, 7(7). doi:10.3390/pr7070458
- Zhang, Z., & Lis, M. (2020). Modeling Green Energy Development Based on Sustainable Economic Growth in China. *Sustainability*, 12(4). doi:10.3390/su12041368
- Zhao, F., Yi, Y., & Lü, X. (2021). Chapter 4 - Essential process and key barriers for converting plant biomass into biofuels. In X. Lü (Ed.), *Advances in 2nd Generation of Bioethanol Production* (pp. 53-70): Woodhead Publishing.
- Zhu, M., Li, P., Gong, X., & Wang, J. (2012). A Comparison of the Production of Ethanol between Simultaneous Saccharification and Fermentation and Separate Hydrolysis and Fermentation Using Unpretreated Cassava Pulp and Enzyme Cocktail. *Bioscience, Biotechnology, and Biochemistry*, 76(4), 671-678. doi:10.1271/bbb.110750