

REFERENCES

- Abd-Aziz, S., Ibrahim, M.F., & Jenol, M.A. (2018). Biological Pretreatment of Lignocellulosic Biomass for Volatile Fatty Acid Production. *Emerging Areas in Bioengineering, 1*, 191-201.
- Adejoye, O.D., Adebayo-Tayo, B.C., Ogunjobi, A.A., Olaoye, O.A., & Fadahunsi, F.I. (2006). Effect of carbon, nitrogen and mineral sources on growth of pleurotus Florida, a Nigeria edible mushroom. *Afr. J. Biotechnol., 5*, 1355–1359.
- Alberti, F., Foster G.D., & Bailey A. M. (2017). Natural products from filamentous fungi and production by heterologous expression. *Applied Microbiology and Biotechnology, 101*(2), 493-500.
- Allison, M. J., Bryant, M. P., & Doetsch, R. N. (1961). Studies on the metabolic function of the ferrichrome compounds. *The Journal of Biological Chemistry, 236*, 554–559.
- Aye, L., & Widjaya, E.R. (2006). Environmental and economic analyses of waste disposal options for traditional markets in Indonesia. *Waste Management, 26*, 1180–1191.
- Batstone, D.J., Keller, J., Angelidaki, I., Kalyuzhnyi, S.V., Pavlostathis, S.G., Rozzi, A., Sanders, W.T., Siegrist, H., & Vavilin, V.A. (2002). The IWA anaerobic digestion model no 1 (ADM1). *Water Sci. Technol., 45*, 65–73.
- Beuchat, L.R. (1987). Traditional fermented food products. In: Beuchat LR (ed), *Food and Beverage Mycology, 2nd edn. van Nostrand Reinhold, New York*, 269–306
- Bhatia, S. K., Gurav, R., Choi, T. R., Jung, H. R., Yang, S. Y., Song, H. S., Yang, Y. H. (2019). Effect of synthetic and food waste-derived volatile fatty acids on lipid accumulation in *Rhodococcus* sp. YHY01 and the properties of produced biodiesel. *Energy Conversion and Management, 192*(February), 385–395. <https://doi.org/10.1016/j.enconman.2019.03.081>

- Biosciences, (2006) .BD Bionutrients TM Technical Manual -advanced Bioprocessing, BD Biosciences, Sparks, MD, 3rd edn,
- Birkett, J., & Lester, J. (1999). Microbial growth. *Microbiology and Chemistry for Environmental Scientists and Engineers*.
<https://doi.org/10.4324/9780203477397.ch10>
- Bottin, J. H., Swann, J. R., Cropp, E., Chambers, E. S., Ford, H. E., Ghatei, M. A. & Frost, G. S. (2016). Mycoprotein reduces energy intake and postprandial insulin release without altering glucagon-like peptide-1 and peptide tyrosine-tyrosine concentrations in healthy overweight and obese adults: a randomised-controlled trial. *The British Journal of Nutrition*, 116(2), 360-374.
- Braguglia, C.M., Gallipoli, A., Gianico, A., & Pagliaccia, P., (2018). Anaerobic bioconversion of food waste into energy: a critical review. *Bioresour. Technol.* 248, 37–56.
- Casey A, Walsh G, (2004). Identification and characterization of a phytase of potential commercial interest. *Journal of Biotechnology*, 110, 313–322.
- Castellano-Hinojosa, A., Armato, C., Pozo, C., González-Martínez, A., & González-López, J. (2018). New concepts in anaerobic digestion processes: recent advances and biological aspects. *Appl. Microbiol. Biotechnol.*, 102(12), 5065–5076.
- Cerrone, F., Choudhari, S.K., Davis, R., & Cysneiros, D. (2014) Medium chain length polyhydroxyalkanoate (mcl-PHA) production from volatile fatty acids derived from the anaerobic digestion of grass. *Appl. Microbiol. Biotechnol.*, 98 (2), 611–620
- Chakraborty, P., Gibbons, W., and Muthukumarappan, K. (2009) Conversion of volatile fatty acids into polyhydroxyalkanoate by *Ralstonia eutropha*. J. *Appl. Microbiol.*, 106, 1996–2005.

- Chalima, A., Oliver, L., De Castro, L. F., Karnaouri, A., Dietrich, T., & Topakas, E. (2017). Utilization of volatile fatty acids from microalgae for the production of high added value compounds. *Fermentation*, 3(4), 1–17. <https://doi.org/10.3390/fermentation3040054>
- Chang, H.N., Kim, N.-J., Kang, J., and Jeong, C.M. (2010) Biomass-derived volatile fatty acid platform for fuels and chemicals. *Biotechnol. Bioprocess Eng.*, 15(1), 1–10.
- Chen Ch-Y, Yeh K-L, Lo Y-Ch, Wang H-M, & Chang J-S. (2010). Engineering strategies for the enhanced photo-H₂ production using effluents of dark fermentation processes as substrate. *Int J Hydrogen Energy*, 35, 13356–64
- Chen, G.Q., & Chen, F. (2006). Growing phototrophic cells without light. *Biotechnol. Lett.*, 28, 607–616
- Chen, Y., Jiang, X., Xiao, K., Shen, N., Zeng, R.J., & Zhou, Y. (2017). Enhanced volatile fatty acids (VFAs) production in a thermophilic fermenter with stepwise pH increase—Investigation on dissolved organic matter transformation and microbial community shift. *Water Res.*, 112, 261–268.
- Cui, Y.Q., Van der Lans, R.G.J.M. and Luyben, K.C.A.M. (1997). Effect of agitation intensities on fungal morphology of submerged fermentation. *Biotechnology and Bioengineering*, 55, 715–726
- Dai, K., Wen, J.L., Zhang, F., & Zeng, R.J., (2017). Valuable biochemical production in mixed culture fermentation: fundamentals and process coupling. *Appl. Microbiol. Biotechnol.*, 101, 6575–6586.
- Damanhuri, E., Handoko, W., Padmi, T. (2010). “Municipal Solid Waste Management in Indonesia”, *Municipal Solid Waste Management in Asia and the Pacific Islands*, Bandung Institute of Technology, Bandung: Indonesia.

- Denny, A., Aisbitt B, & Lunn, J. (2008). Mycoprotein and health. *Nutrition Bulletin*, 33(4), 298-310.
- Egli, T., Lendenmann, U., & Snozzi, M. (1993). Kinetics of microbial growth with mixtures of carbon sources. *Antonie Van Leeuwenhoek*, 63, 289–298.
- Ehgartner D, Herwig C, Fricke J (2017) Morphological analysis of the filamentous fungus *Penicillium chrysogenum* using flow cytometry—the fast alternative to microscopic image analysis. *Appl Microbiol Biotechnol* 101(20), 1–14. <https://doi.org/10.1007/s00253-017-8475-2>.
- Elson MK, Schisler DA, Jackson MA, (1998). Carbon to nitrogen ratio, carbon concentration, and amino acid composition of growth media influence conidiation of *Helminthosporium solani*. *Mycologia*, 98, 406–413.
- Espinosa-Ortiz, E.J., Rene, E.R., van Hullebusch, E.D. and Lens, P.N.L. (2015). Removal of selenite from wastewater in a *Phanerochaete chrysosporium* pellet based fungal bioreactor. *International Biodeterioration & Biodegradation*, 102, 361-369.
- EUASYP. (2017). Yeast Extract. Retrieved from http://hefeextrakt.info/public/documents/yeast-products/yeast_extract.pdf
- Fang, C., Boe, K., and Angelidaki, I. (2011) Biogas production from potato juice, a by-product from potato-starch processing, in upflow anaerobic sludge blanket (UASB) and expanded granular sludge bed (EGSB) reactors. *Bioresour. Technol.*, 102(10), 5734–5741
- FAO. (2011). Global food losses and food waste extent. Retrieved from <http://www.fao.org/3/a-i2697e.pdf>
- FazeliNejad, S., Ferreira, J. A., Brandberg, T., Lennartsson, P. R., & Taherzadeh, M. J. (2016). Fungal biomass and ethanol from lignocelluloses using *Rhizopus* pellets under simultaneous saccharification, filtration, and

fermentation (SSFF). *Biofuel Research Journal*, 3(1), 372–378.
<https://doi.org/10.18331/BRJ2016.3.1.7>

Fei, Q., Fu, R., Shang, L., Brigham, C. J., & Chang, H. N. (2015). Lipid production by microalgae *Chlorella protothecoides* with volatile fatty acids (VFAs) as carbon sources in heterotrophic cultivation and its economic assessment. *Bioprocess and Biosystems Engineering*, 38(4), 691–700.
<https://doi.org/10.1007/s00449-014-1308-0>

Ferreira, J. A., Lennartsson, P. R., & Taherzadeh, M. J. (2015). Production of ethanol and biomass from thin stillage by *Neurospora intermedia*: a pilot study for process diversification. *Engineering in Life Sciences*, 15(8), 751–759.

Ferreira, J. A., Mahboubi, A., Lennartsson, P. R., & Taherzadeh, M. J. (2016). Waste biorefineries using filamentous ascomycetes fungi: Present status and future prospects. *Bioresource technology*, 215, 334–345.

Ferreira, J.A., Lennartsson, P.R., Edebo, L., Taherzadeh, M.J. (2013). Zygomycetes-based biorefinery: Present status and future prospects. *Bioresour. Technol.* 135, 523–532.

Ferreira, J.A., Lennartsson, P.R., Niklasson, C., Lundin, M., Edebo, L., Taherzadeh, M.J. (2012). Spent sulphite liquor for cultivation of an edible *Rhizopus* sp. *BioResources* 7, 173–188.

Fontanille, P., Kumar, V., Christophe, G., Nouaille, R., and Larroche, C. (2012) Bioconversion of volatile fatty acids into lipids by the oleaginous yeast *Yarrowia lipolytica*. *Bioresour. Technol.*, 114, 443–449.

Gao, R., Li, Z., Zhou, X., Cheng, S., & Zheng, L. (2017). Oleaginous yeast *Yarrowia lipolytica* culture with synthetic and food waste-derived volatile fatty acids for lipid production. *Biotechnology for Biofuels*, 10(1), 1–15.
<https://doi.org/10.1186/s13068-017-0942-6>

- Garuba, Oluwaseun Emmanuel, Fadahunsi, S. (2012). Studies on the nutritional requirements of *Brucella suis*. *Journal of Bacteriology*, 53(1), 5–15.
- Gong, Z., Shen, H., Zhou, W., Wang, Y.(2015) Efficient conversion of acetate into lipids by the oleaginous yeast *Cryptococcus curvatus*. *Biotechnol. Biofuels*, 8, 189–197.
- Grant, C.L and D. Pramer, (1962). Minor element composition of yeast extract. *J. Bacteriol.*, 84, 869–870.
- Hawksworth, D.L.,& Lucking, R. (2017). Fungal diversity revisited: 2.2 to 3.8 million species. *Microbiol. Spectr.*, 5
- Holwerda, E. K., Hirst, K. D. & Lynd, L. R. J. (2012), *Ind. Microbiol. Biotechnol.*,39, 943 947.
- Hu, B., Zhou, W., Min, M., Du, Z., Chen, P., Ma, X., Liu, Y., Lei, H., Shi, J., & Ruan, R. (2013). Development of an effective acidogenically digested swine manure-based algal system for improved wastewater treatment and biofuel and feed production. *Appl. Energy*, 107, 255–263
- Iftikhar, T., Niaz, M., Zia, M. A., & Haq, I. ul. (2010). Production of extracellular lipases by *Rhizopus oligosporus* in a stirred fermentor. *Brazilian Journal of Microbiology*, 41(4), 1124–1132. <https://doi.org/10.1590/S1517-83822010000400034>
- Jackson MA, Bothast RJ, (1990). Carbon concentration and carbon to nitrogen ratio influence submerged culture conidiation by the potential bioherbicide *Colletotrichum truncatum* NRRL 13737. *Applied and Environmental Microbiology* 56, 3435–3438.
- Jennessen, J.,Schnurer, J, Olsson, J., Samson, R. A., Dijksterhuis, J. (2008). Morphological characteristics of sporangiospores of the tempe fungus *Rhizopus oligosporus* differentiate it from other taxa of the *R. microsporus* group. *Mycological research*,112, 547–563.

- Jia, Z., Zhang, X., & Cao, X. (2011). Effects of carbon sources on fungal morphology and lovastatin biosynthesis by submerged cultivation of *Aspergillus terreus*, *Asia-Pac. J. Chem. Eng.* 199–203.
<https://doi.org/10.1002/apj>
- Kalil MS, Alshiyab HSS, Wan Yusoff WM. (2009). Media improvement for hydrogen production using *C. acetobutylicum* NCIMB 13357. *Am J Appl Sci* (6), 1158-1168.
- Kalil, MS, Alshiyab, HSS, Wan Yusoff W.M. (2008). Effect of nitrogen source and carbon to nitrogen ratio on hydrogen production using *C. acetobutylicum*. *Am J Biochem Biotechnol*(4), 393-401.
- Karimi, K., & Zamani. (2013). *A.Mucor indicus*: Biology and industrial application perspectives: A review. *Biotechnol. Adv.*, 31, 466–481.
- Karimi, S., Soofiani, N. M., Mahboubi, A., & Taherzadeh, M. J. (2018). Use of organicwastes and industrial by-products to produce filamentous fungi with potential as aqua-feed ingredients. *Sustainability (Switzerland)*, 10(9).
<https://doi.org/10.3390/su10093296>
- Kim, N.-J., Lim, S.-J., & Chang, H. N. (2018). Volatile Fatty Acid Platform: Concept and Application. *Emerging Areas in Bioengineering*, (i), 173–190.
<https://doi.org/10.1002/9783527803293.ch10>
- Lee, W.S., Chua, A.S.M., Yeoh, H.K., & Ngoh, G.C. (2014). A review of the production and applications of waste-derived volatile fatty acids. *Chem. Eng. J.* 235, 83–99.
- Liang, Y., & Wen, Z. (2014). 18-bio-based nutraceuticals from biorefining. In *Advances in Biorefineries*, Waldron, K., Ed., *Woodhead Publishing: Cambridge, UK*, 596–623.
- Liu, C.H., Chang, C.Y., Liao, Q., Zhu, X., & Chang, J.S. (2013). Photoheterotrophic growth of *Chlorella vulgaris* ESP6 on organic acids

from dark hydrogen fermentation effluents. *Bioresour. Technol.*, 145, 331–336.

Liu, Y., Liao, W. & Chen, S. (2008). Study of pellet formation of filamentous fungi *Rhizopus oryzae* using a multiple logistic regression model. *Biotechnology and Bioengineering*, 99, 117-128.

Lucifero, N., (2016). Food Loss and Waste in the EU Law between sustainability of wellbeing and the implications on food system and on environment. *Agric. Agric. Sci. Proc.*, 8, 282–289.

Malav, O. P., Talukder, S., Gokulakrishnan, P., & Chand S. (2015). Meat Analog: A Review. *Critical Reviews in Food Science and Nutrition*, 55(9), 1241-1245.

Meletiadiis, J., Meis, J. F. G. M., & Mouton, J. W. (2001). Analysis of Growth Characteristics of Filamentous Fungi in Different Nutrient Media. *Journal of Clinical Microbiology*, 39(2), 478–484.
<https://doi.org/10.1128/JCM.39.2.478>

Merchuk, J. C. (1990). Why use air-lift bioreactors? *Trends in Biotechnology*, 8(C), 66–71. [https://doi.org/10.1016/0167-7799\(90\)90138-N](https://doi.org/10.1016/0167-7799(90)90138-N)

Moore-Lendecker, E. (1996). *Fundamental of The Fungi* 4th Edition. New Jersey: Prentice-Hall.inc.

Nair, R. B., Lennartsson, P. R., & Taherzadeh, M. J. (2016). Mycelial pellet formation by edible ascomycete filamentous fungi, *Neurospora intermedia*. *AMB Express*, 6(1). <https://doi.org/10.1186/s13568-016-0203-2>

Nasr, M., Tawfik, A., Suzuki, M., & Ookawara, S. (2015). Mathematical modeling of bio-hydrogen production from starch wastewater via up-flow anaerobic staged reactor. *Desalin Water Treat.*, 54, 50–58.

NEOGEN. (2017). Yeast Extract (7184), (7184), 3–4. Retrieved from https://foodsafety.neogen.com/pdf/acumedia_pi/7184_pi.pdf

- Nitayavardhana, S., Issarapayup, K., Pavasant, P., & Khanal, S.K. (2013). Production of protein-rich fungal biomass in an airlift bioreactor using vinasse as substrate. *Bioresour. Technol.*, 133, 301–306.
- Nout MJR. And Kiers JL. (2005). Tempe fermentation, innovation and functionality: update into the third millenium. *Journal of Applied Microbiology*, 98, 789–805.
- Nout, M. J. R. and K. E. Aidoo, (2002). Asian Fungal Fermented Food, in Industrial Applications, H. D. Osiewacz, Editor., *Springer Berlin Heidelberg: Berlin, Heidelberg*, 23-47.
- Nyman, J., Lacintra, M.G., Westman, J.O., Berglin, M., Lundin, M., Lennartsson, P.R., & Taherzadeh, M.J., (2013). Pellet formation of zygomycetes and immobilization of yeast. *New Biotechnol.*, 30, 516-522.
- Palasak, T., Sooksai, S., & Savarajara, A. (2019). Comparison of yeast extract prepared by autolysis or steam explosion as a cheap nutrient supplement for very high gravity ethanol fermentation of cassava starch. *ScienceAsia*, 45(1), 3–9. <https://doi.org/10.2306/scienceasia1513-1874.2019.45.003>
- Perez-Garcia, O., Escalante, F.M.E., de-Bashan, L.E., Bashan, Y. (2011). Heterotrophic cultures of microalgae: Metabolism and potential products. *Water Res.*, 45, 11–36.
- Pfaltzgraff, L. A., Cooper, E. C., Budarin, V., & Clark, J. H. (2013). Food waste biomass: a resource for high-value chemicals. *Green Chemistry*, 15(2), 307-314.
- Piepenbring, M., Hofmann, T.A., Miranda, E., C´aceres, O. and Unterseher, M. (2015). Leaf shedding and weather in tropical dryseasonal forest shape the phenology of fungi - Lessons from two years of monthly surveys in southwestern Panama. *Fungal Ecology*, 18, 83-92.

- Pirt, S.J. (1966), A theory of the mode of growth of fungi in the form ofmpellets in submerged culture. *Proc R Soc Lond B Biol Sci*166, 1004.,369–373.<https://doi.org/10.1098/rspb.1966.0105>
- Porcel EMR, Lopez JLC, Perez JAS, Sevilla JMF, Chisti Y. (2005). Effects of pellet morphology on broth rheology in fermentations of *Aspergillus terreus*. *Biochem Eng J* 26, (2–3), 139–144. <https://doi.org/10.1016/j.bej.2005.04.011>
- Ratlidge, C., Kanagachandran, K., Anderson, A.J., Grantham, D.J., Stephenson, J.C. (2001). Production of docosaehaenoic acid by *Cryptocodinium cohnii* grown in a pH-auxostat culture with acetic acid as principal carbon source. *Lipids*, 36, 1241–1246.
- Ren, Y., Yu, M., Wu, C., Wang, Q., Gao, M., Huang, Q., & Liu, Y. 2018). A comprehensive review on food waste anaerobic digestion: research updates and tendencies. *Bioresour. Technol.* 247, 1069–1076.
- Riemenschneider, W., (2000). Carboxylic acids, aliphatic. *Ullmann's Encycl. Ind. Chem.* https://doi.org/10.1002/14356007.a05_235.
- Ryu, B.G., Kim, W., Heo, S.W., Kim, D., Choi, G.G., & Yang, J.W. (2015). Advanced treatment of residual nitrogen from biologically treated coke effluent by a microalga-mediated process using volatile fatty acids (VFAs) under stepwise mixotrophic conditions. *Bioresour. Technol.*, 191, 488–495
- Santos-Ebinuma, V.C., Teixeira, M.F.S, & Pessoa Jr., (2013). A. Submerged Culture Conditions for the Production of Alternative Natural Colorants by a New Isolated *Penicillium purpurogenum* DPUA 1275. *S. J. Microbiol. Biotechnol.* 23(6), 802–810. <http://dx.doi.org/10.4014/jmb.1211.11057>
- Sarao, L., Arora, M., Sehgal, V., & Bhatia, S. (2009). Production of Protease By Submerged Fermentation Using *Rhizopus Microsporus* Var *Oligospous*, 9(1), 7–11.

- Satari, B., Karimi, K., Taherzadeh, M. J., & Zamani, A. (2016). Co-production of fungal biomass derived constituents and ethanol from citruswastes free sugars without auxiliary nutrients in airlift bioreactor. *International Journal of Molecular Sciences*, 17(3). <https://doi.org/10.3390/ijms17030302>
- Sembiring, E., & Nitivatta, V. (2010). Sustainable solid waste management toward an inclusive society: Integration of the informal sector. *Resources, Conservation and Recycling*, 54, 802–809
- Sorenson, W., & Hesseltine, C.W. (2019). Carbon and Nitrogen Utilization by *Rhizopus oligosporus*. *Mycologia, Source*, 58(5), 681–689. Retrieved from <https://www.jstor.org/stable/3756843>
- Souza Filho, P.F., Zamani, A., & Taherzadeh, M.J. (2017). Production of edible fungi from potato protein liquor (PPL)in airlift bioreactor. *Fermentation*, 3, 12.
- Souza-Filho, P.F., Nair, R.B., Andersson, D., Lennartsson, P.R., & Taherzadeh, M.J. (2018). Vegan-mycoprotein concentrate from pea-processing industry byproduct using edible filamentous fungi. *Fungal Biol Biotechnol* 5,5 <https://doi.org/10.1186/s40694-018-0050-9>
- Stenmarck, Asa (IVL), Carl Jensen (IVL), T. Q. (WRAP), (IFR)., G. M., Contributing partners: Michael Buksti (Communique), B. C., (HFA), Selina Juul (SWF), Andrew Parry (WRAP), A., Politano (UniBo), Barbara Redlingshofer (INRA), S. S., (BOKU), Kirsi Silvennoinen (LUKE), H. S., & (WageningenUR), Christine Zübert (UHOH), K. Ö. (SP). (2016). Estimates of European food waste levels. Available in <https://www.eu-fusions.org/index.php/publications>.
- Strazzer, G., Battista, F., Garcia, N. H., Frison, N., & Bolzonella, D. (2018). Volatile fatty acids production from food wastes for biorefinery platforms: A review. *Journal of Environmental Management*, 226(May), 278–288. <https://doi.org/10.1016/j.jenvman.2018.08.039>

- Tanaka H, Mizuguchi T, Ueda K (1975) Studies on Effect of Agitation on Mycelia in Submerged Mold Culture . Index Representing, 5.
- Thompson, K. A., Summers, R. S., & Cook, S. M. (2017). Development and experimental validation of the composition and treatability of a new synthetic bathroom greywater (SynGrey). *Environmental Science: Water Research and Technology*, 3(6), 1120–1131. <https://doi.org/10.1039/c7ew00304h>
- Vajpeyi, S., & Chandran, K. (2015). Microbial conversion of synthetic and food waste-derived volatile fatty acids to lipids. *Bioresource Technology*, 188(January), 49–55. <https://doi.org/10.1016/j.biortech.2015.01.099>
- Vattem DA, Shetty K, (2002). Solid-state production of phenolic antioxidants from cranberry pomace by *Rhizopus oligosporus*. *Food Biotechnology*, 16,189–210.
- Wainaina, S., Parchami, M., Mahboubi, A., Horváth, I. S., & Taherzadeh, M. J. (2019). Food waste-derived volatile fatty acids platform using an immersed membrane bioreactor. *Bioresource Technology*, 274(October 2018), 329–334. <https://doi.org/10.1016/j.biortech.2018.11.104>
- Walisko, R., Moench-tegeder, J., Blotenberg, J., Wucherpfennig, T., & Krull, R. (2015). The Taming of the Shrew - Controlling the Morphology of Filamentous Eukaryotic and Prokaryotic Microorganisms. <https://doi.org/10.1007/10>
- Wang, L., D. Ridgway, T. Gu, and M. Moo-Young. (2005). Bioprocessing strategies to improve heterologous protein production in filamentous fungal fermentations. *Biotechnol. Adv.* 23, 115-129.
- Wang, S., & Zhong, J. (2007). Chapter 6. *Bioreactor Engineering. Science*, 131–161. <https://doi.org/http://dx.doi.org/10.1016/B978-044452114-9/50007-4>

- Wen, Q., Chen, Z., Li, P., Duan, R., Ren, N. (2013). Lipid production for biofuels from hydrolyzate of waste activated sludge by heterotrophic *Chlorella protothecoides*. *Bioresour. Technol.*, 143, 695–698.
- Wikandari, R., Millati, R., Lennartsson, P. R., Harmayani, E., & Taherzadeh, M. J. (2012). Isolation and characterization of zygomycetes fungi from tempe for ethanol production and biomass applications. *Applied Biochemistry and Biotechnology*, 167(6), 1501–1512. <https://doi.org/10.1007/s12010-012-9587-x>
- Willecke, K., and A. B. Pardee. (1971). Fatty acid-requiring mutant of *Bacillus subtilis* defective in branched chain α -keto acid dehydrogenase. *J. Biol. Chem.* 246, 5264-5272.
- Wosten HAB, van Veluw GJ, de Bekker C, Krijgsheld P. (2013). Heterogeneity in the mycelium: implications for the use of fungi as cell factories. *Biotechnol Lett* 35(8), 1155–1164. <https://doi.org/10.1007/s10529-013-1210-x>
- Xu, S. Y., Karthikeyan, O. P., Selvam, A., & Wong, J. W. C. (2012). Effect of inoculum to substrate ratio on the hydrolysis and acidification of food waste in leach bed reactor. *Bioresour. Technol.*, 126, 425–430.
- Yun, J.H., Sawant, S.S., and Kim, B.S. (2013) Production of polyhydroxyalkanoates by *Ralstonia eutropha* from volatile fatty acids. *Korean J. Chem. Eng.*, 30(12), 2223–2227
- Zhang, C., Su, H., Baeyens, J., & Tan, T. (2014). Reviewing the anaerobic digestion of food waste for biogas production. *Renew. Sustain. Energy Rev.*, 38, 383–392.