

REFERENCES

- Acharya, P.B, Acharya, D.K. and Modi. H.A. (2008). Optimization for cellulase production by *Aspergillus niger* using saw dust as substrate. *African Journal of Biotechnology*, 7(22), 4147-4152.
- Ado, S.A., Kachalla, G.U., Tijjani, M.B. and Aliyu, M.S. (2009). Ethanol production from corn cobs by co-cultures of *Saccharomyces cerevisiae* and *Aspergillus niger*. *Bayero Journal of Pure & Applied Sciences*, 2(2), 99-101.
- Aehle, W. (2007). *Enzyme in Industry : Production and Applications*. Weinheim: WILEY-VCH Verlag GmbH & Co. KGaA.
- Agustina, A.S. (2009). *Production of ethanol and (R)-phenylacetylcarbinol from whole cells biocatalyst utilizes carbon sources from dried longan*. Master's thesis. Chiang Mai University, Chiang Mai.
- Ahamed, A. and Vermette, P. (2009). Effect of culture medium composition on *Trichoderma reesei*'s morphology and cellulase production. *Bioresource Technology*, 100(23), 5979-5987.
- Albersheim, P., Darvill, A.G., O'Neill, M.A., Schols, H.A. and Voragen, A.G.J. (1996). Pectins and pectinase. In J. Visser and A.G.J. Voragen (Eds.), *Progress in biotechnology, 14 : Pectin and pectinases* (pp.793-798), Amsterdam : Elsevier Science.
- Ali, M.N. (2011). Production of bioethanol fuel from renewable agrobased cellulosic wastes and waste news papers. *International Journal of Engineering Science & Technology*, 3(2), 884-893.
- Anderson, K.L. (2002). Degradation of cellulose and starch by anaerobic bacteria. In R.J. Doyle (Ed), *Glycomicrobiology* (pp.359-386), New York : Kluwer Academic/Plenum Publishers.
- Andersson, L. *Studies on Starch Structure and the Differential Properties of Starch Branching Enzymes*. Doctor of philosophy's thesis. Swedish University of Agricultural Sciences, Uppsala.

- Angkasit, P., Na Lamphang, D. and Apichartpongchai, R. (1999). *Longan : Valuable Friuts for Developed Industry*. Chiang Mai: Mingmeoung.
- Arbsuwan, W. (2009). *Enzymatic hydrolysis of longan pomace for production of reducing sugar*. Master's thesis, Chiang Mai University, Chiang Mai.
- Arguelles, M.A., Rojas, M.G., Gonzalez, G.V. and Torres, E.F. (1994). Effect of water activity on exo-pectinase production by *Aspergillus niger* NCIM 1245 for enzyme production in solid-state fermentation. *World Journal of Microbiology & Biotechnology*, 10, 485-486.
- Arrizon, J and Gschaedler, A. (2002). Increasing fermentation efficiency at high sugar concentrations by supplementing an additional source of nitrogen during the exponential phase of the tequila fermentation process. *Canadian Journal of Microbiology*, 48, 965-970.
- Arulpanandi, I., Sangeetha, R. and Kalaichelvan, P.T. (2008). Production of tannase by *Aspergillus niger* under solid state fermentation using tamarined seed powder. *Zaffius Biotechnol*, 3, 1-7.
- Baba, Y., Tanabe, T., Shirai, N., Watanabe, T., Honda, Y. and Watanabe, T. (2011). Pretreatment of Japanese cedar wood by white rot fungi and ethanolysis for bioethanol production. *Biomass & Bioenergy*, 35, 320-324.
- Badger, P.C. (2002). Ethanol from cellulose: a general review. In J. Janick and A. Whipkey (Eds.), *Trends in new crops and new uses* (pp.17-21), Alexandria: ASHS Press.
- Baht, M.K. (2000). Cellulase and related enzymes in biotechnology. *Biotechnology Advances*, 18, 355-383.
- Bai, F.W., Anderson, W.A. and Young, M.M. (2008). Ethanol fermentation technologies from sugar and starch feedstocks. *Biotechnology Advances*, 26(1), 89-105.
- Bak, J.S., Ko, J.K., Choi, I.G., Park, Y.C., Seo, J.H. and Kim, K.H. (2009). Fungal pretreatment of lignocellulose by *Phanerochaete chrysosporium* to produce ethanol from rice straw. *Biotechnology & Bioengineering*, 104(3), 471-482.
- Baker, S.E. (2006). *Aspergillus niger* genomics: past, present and into the future. *Medical Mycology*, 44, 17-21.

- Bakker, B.M., Overkamp, K.M., van Maris, A.J., Kotter, P., Luttik, M.A., van Dijken, J.P. and Pronk, J.T. (2001). Stoichiometry and compartmentation of NADH metabolism in *Saccharomyces cerevisiae*. *FEMS Microbiology Reviews*, 25, 15-37.
- Balat, M. and Balat, H. (2009). Recent trends in global production and utilization of bio-ethanol fuel. *Applied Energy*, 86(11), 2273-2282.
- Banerjee, N., Bhatnagar, R. and Viswanathan, L. (1981). Inhibition of glycolysis by furfural in *Saccharomyces cerevisiae*. *Applied Microbiology & Biotechnology*, 11, 226–228.
- Barron, G.L. (2003). Predatory fungi, wood decay, and the carbon cycle. *Biodiversity*, 4, 3-9.
- Baxter, M. and Illston, G.M. (1980). Temperature relationships of fungi isolated at low temperatures from soils and other substrates. *Mycopathologia*, 72(1), 21-25.
- Behera, S., Mohantya, R.C. and Ray, R.C. (2010). Comparative study of bio-ethanol production from mahula (*Madhuca latifolia* L.) flowers by *Saccharomyces cerevisiae* and *Zymomonas mobilis*. *Applied Energy*, 87(7), 2352-2355.
- Beltran, G., Esteve-Zarzoso, B., Rozés, N., Mas, A. and Guillamón, J.M. (2005). Influence of the timing of nitrogen additions during synthetic grape must fermentations on fermentation kinetics and nitrogen consumption. *Journal of Agricultural & Food Chemistry*, 53, 996-1002.
- Bennett, J.W. (1985). Molds, manufacturing and molecular genetics. In W.E. Timberlake (Ed.), *Molecular genetics of filamentous fungi* (pp.345). New York : Alan R. Liss.
- Benson, R. (2004). Supplementing Spent Sulfite Liquor with a Lignocellulosic Hydrolysate to Increase Pentose/Hexose Co-fermentation Efficiency and Ethanol Yield. [Online]. Available: www.lifesciencesbc.ca/files/dufffinal_report.pdf [2012, August 14]
- Berlin, A., Balakshin, M., Gilkes, N., Kadla, J., Maximenko, V., Kuco, S. and Saddler, J. (2006). Inhibition of cellulase, xylanase and β -glucosidase activities by softwood lignin preparations. *Journal of Biotechnology*, 125, 198-209.

- Biliaderis, C.G. (2009). Structural transitions and related physical properties of starch. In J.N. BeMiller and R.L. Whistler (Eds.), *Starch : chemistry and technology* (pp.293-372), New York : Elsevier.
- Blank, L.M. and Sauer, U. (2004). TCA cycle activity in *Saccharomyces cerevisiae* is a function of the environmentally determined specific growth and glucose uptake rates. *Microbiology*, 150(4), 1085-1093.
- Branen, A.L., Davidson, P.M., Salminen, S. and Thorngate, J.H. (2002). *Food Additives : Revised and Expanded*. New York : Marcel Dekker.
- Camassola, M. and Dillon, A.J.P. (2009). Biological pretreatment of sugar cane bagasse for the production of cellulases and xylanases by *Penicillium echinulatum*. *Industrial Crops & Products*, 29(2-3), 642-647.
- Capriles, V.D., Coelho, K.D., Guerra-Matias, A.C. and Arêas, J.A. (2008). Effects of processing methods on amaranth starch digestibility and predicted glycemic index. *Journal of Food Science*, 73(7), 160-164.
- Cavalitto, S.F., Areas, J.A. and Hours, R.A. (1996). Pectinase production profile of *Aspergillus foetidus* in solid state cultures at different acidities. *Biotechnology Letters*, 18(3), 251-256.
- Chaimongkol, C. (2003). Effect of longan cultivars on quality of dried longan. *Jornal of Agricultural Research & Extension*, 21(2), 1-13.
- Chandel, A.K., Narasu, M.L., Ravinder, R., Edula, J.R., Pasha, C., Ravindra, P. and Rao, L.V. (2008). Forecasting bioethanol production from agro crop residues in Andhra Pradesh State: A case study. *Technology Spectrum*, 1(2), 12-27.
- Chanrittisen, T. and Chomsri, N. (2010). Exploring feasibility for production of longan fruit wine as a small scale enterprise in Thailand. *Asian Journal of Food & Agro-Industry*, 3(2), 242-247.
- Chapla, D., Divecha, J., Madamwar, D. and Shah, A. (2010). Utilization of agro-industrial waste for xylanase production by *Aspergillus foetidus* MTCC 4898 under solid state fermentation and its application in saccharification. *Biochemical Engineering Journal*, 49(3), 361-369.
- Chatanta, D.K., Attri, C., Gopal, K., Devi, M., Gupta, G. and Bhalla, T.C. (2008). Bioethanol production from apple pomace left after juice extraction. *The Internet Journal of Microbiology*, 5(2).

- Chauhan, B.S. (2008). *Principles of Biochemistry and Biophysics*. New Delhi : Laxmi Publications.
- Chen, C.H. (1993). Citric acid production by *Aspergillus foetidus* in batch and fed-batch cultures. *Food Biotechnology*, 7(3), 221-234.
- Chiou, S.Y., Chen, H.J., Jeng, T.L. and Sung, J.M. (2011). Microstructures of starch granule, starch digestibilities and predicted glycaemic index of common bean mutants in Taiwan. *International Journal of Food Science & Technology*, 46, 1646-1653.
- Chow, P.S. and Landhausser, S.M., (2004). A method for routine measurements of total sugar and starch content in woody plant tissues. *Tree Physiology*, 24, 1129-1136.
- Chumkhunthod, P. (2000). *Bioconversion of cassava roots to high protein product for animal feed*. Master's thesis. Suranaree University of Technology, Nakhon Ratchasima.
- Clark, T.A., McDonald, A.G., Senior, D.J. and Mayers, P.R. (1990). Mannanase and xylanase treatment of softwood chemical pulps: effects on pulp properties and bleachability. In K.T Kirk and H.M. Chang (Eds.), *Biotechnology in the pulp and paper manufacture* (pp.153-167), Boston: Butterworth-Heinemann.
- Copeland, L., Blazek, J., Salman, H. and Tang, M.C. (2009). Form and functionality of starch. *Food Hydrocolloids*, 23, 1527-1534.
- Cysewski, R.G. and Wilke, R.C. (1976). Utilization of cellulosic materials through enzymatic hydrolysis. *Biotechnology & Bioengineering*, 18, 1297.
- Demirbas, A. (2005). Bioethanol from cellulosic materials: a renewable motor fuel from biomass. *Energy Sources*, 27(4), 327-337.
- Demirbas, A. and Karslioglu, S. (2007). Biodiesel production facilities from vegetable oils and animal fats. *Energy Sources Part A*, 29, 133-141.
- De Vries, R.P. and Visser, J. (2001). *Aspergillus* enzymes involved in degradation of plant cell wall polysaccharides. *Microbiology & Molecular Biology Reviews*, 65, 497-522.

- Dias, A.A., Freitas, G.S., Marques, G.S.M., Sampaio, A., Fraga, I.S., Rodrigues, M.A.M., Evtuguin, D.V. and Bezerra, R.M.F. (2010). Enzymatic saccharification of biologically pre-treated wheat straw with white-rot fungi, *Bioresource Technology*, 101(15), 6045-6050.
- Dojnov, B. and Vujcic, Z. (2012). Fast and reliable method for simultaneous zymographic detection of glucoamylase and α -amylase in fungal fermentation. *Analytical Biochemistry*, 421(2), 802-804.
- Dostalova, R., Horacek, J., Hasalova, I. and Trojan, R. (2009). Study of resistant starch (RS) content in peas during maturation. *Czech Journal of Food Sciences*, 27, 120-124.
- Du, J. (2012). *Metabolic engineering of Saccharomyces cerevisiae for efficient ethanol production from pentose sugars*. Doctor of philosophy's thesis. University of Illinois, Urbana-Champaign.
- Dumitriu, S. (2005). *Polysaccharides Structural Diversity and Functional Versatility*. New York : Marcel Dekker.
- Dussan, K.J., Machado, E., Silva, S.P. and Da Silva, S.S. (2011). Comparative study of xylose fermentation with *Candida shehatae* HM52.2 and *Pichia stipitis* NRRL Y-7124. *Current Opinion in Biotechnology*, 23(1), 148.
- El Kossori, R.L., Villaume, C., El Boustani, E., Sauvaire, Y. and Méjean, L. (1998). Composition of pulp, skin and seeds of prickly pears fruit (*Opuntia ficus indica* sp.). *Plant Foods for Human Nutrition*, 52(3), 263-270.
- Eltem, R., Apkun, T.L., Sarig, L.N., Tapkin, E.Z. and Efenduler, H. (2004). Colonial and morphological characteristics of some *Aspergillus* Fr.:Fr. species isolated from Vineyards in Manisa and Uzmir provinces (Turkey). *Turkish Journal of Botany*, 28, 287-298.
- Farinas, C.S., Loyo, M.M., Junior, A.B., Tardioli, P.W., Neto, V.B. and Couri, S. (2010). Finding stable cellulase and xylanase: evaluation of the synergistic effect of pH and temperature. *New Biotechnology*, 27(6), 810-815.
- Farrell, A.E., Plevin, R.J., Turner, B.T., Jones, A.D., O'Hare, M. and Kammen, D.M. (2006). Ethanol can contribute to energy and environmental goals. *Science*, 311(5760), 506-508.

- Fengel, D. and Wegener, G. (1983). *Wood: Chemistry, Ultrastructure, Reactions*. Berlin : Walter de Gruyter and Co.
- Food and Agricultural Policy Research Institute. (2008). *FAPRI 2008 U.S. and World Agricultural Outlook*. Ames : University of Missouri-Columbia.
- Fresh Plaza. (2007). China: 67,000 Tonnes of Dried Longan to be Examined. [Online]. Available: http://www.freshplaza.com/news_detail.asp?id=9313 [2009, February 16].
- Fungsin, B., Suttikul, S., Akaracharany, A. and Srinorakutara, T. (2007). Conversion of Cassava Waste into Sugar Using *Aspergillus niger* and *Trichoderma reesei* for Ethanol Production. Poster 9, Fourth Biomass-Asia Workshop. Selangor Darul Ehsan, Malaysia.
- Galbe, M. and Zacchi, G. (2007). Pretreatment of lignocellulosic materials for efficient bioethanol production. *Advances in Biochemical Engineering & Biotechnology*, 108, 41-65.
- Gallagher, P.W. (2009). Roles for evolving markets, policies, and technology improvements in U.S. corn ethanol industry development. *Regional Economic Development*, 5(1), 12-33.
- Girio, F.M., Fonseca, C., Cavalheiro, F., Duarte, L.C., Marques, S. and Bogel-Lukasik, R. (2010). Hemicelluloses for fuel ethanol: A review. *Bioresource Technology*, 101(13), 4775-4800.
- Glazer, A.N. and Nikaido, H. (1995). *Microbial Biotechnology Fundamentals of Applied Microbiology*. Berkeley : University of California.
- Gnansounou, E., Bedniaguine, D. and Dauriat, A. (2005). Promoting Bioethanol Production through Clean Development Mechanism : Findings and Lessons Learnt from ASIATIC Project. In Proceedings of the 7th IAEE European energy conference, Bergen, Norway.
- Gopal, A.R. and Kammen, D.M. (2009). Molasses for ethanol: the economic and environmental impacts of a new pathway for the lifecycle greenhouse gas analysis of sugarcane ethanol. *Environmental Research Letters*, 4(4), 1-5.
- Gupta, R., Gigras, P., Mohapatra, H., Goswami, V.K. and Chauhan, B. (2003). Microbial α -amylases: a biotechnological perspective. *Process Biochemistry*, 38, 1599-1616.

- Gurav, M.S. and Geeta, G.S. (2007). Effectiveness of fungal pretreatment of agro residues on ethanol production by yeasts and *Zymomonas mobilis*. *Karnataka Journal of Agricultural Sciences*, 20(2), 301-304.
- Hahn-Hagerdal, B., Karhumaa, K., Fonseca, C., Spencer-Martins, I. and Gorwa-Grauslund, M.F. (2007). Towards industrial pentose-fermenting yeast strains. *Applied Microbiology and Biotechnology*, 74, 937-953.
- Hamelinck, C.N., van Hooijdonk, G. and Faaij, A.P.C. (2005). Ethanol from lignocellulosic biomass: techno-economic performance in short-, middle- and long-term. *Biomass and Bioenergy*, 28(4), 384-410.
- Hammel, K.E. (1997). Fungal degradation of lignin. In G. Cadisch and K.E. Giller (Eds.), *Plant litter quality and decomposition* (pp.33-45), Caen : CAB-International.
- Han, L., Feng, J., Zhang, S., Ma, Z., Wang, Y. and Zhang, X. (2012). Alkali pretreated of wheat straw and its enzymatic hydrolysis. *Brazilian Journal of Microbiology*, 43(1).
- Han, Y.W. and Callihan, C.D. (1974). Cellulose fermentation: effect of substrate pretreatment on microbial growth. *Applied Microbiology*, 27(1), 159-165.
- Harrigan, W.F. (1998). Schemes for the identification of microorganisms. In W.F. Harrigan, *Laboratory methods in food microbiology*. London : Academic Press.
- Harris, E.E. and Beglinger, E. (1946). Madison wood sugar process. *Industrial & Engineering Chemistry*, 38(9), 890-895.
- Hashemi, M., Mousavi, S.M., Razavi, S.H. and Shojaosadati, S.A. (2011). Mathematical modeling of biomass and α -amylase production kinetics by *Bacillus* sp. in solid-state fermentation based on solid dry weight variation. *Biochemical Engineering Journal*, 53(2), 159-164.
- Havannavar, R.B. and Geeta, G.S. (2007). Pre-treatment of agroresidues for release of maximum reducing sugar. *Karnataka Journal of Agricultural Sciences*, 20(4), 771-772.
- Hong, Y.S. and Yoon, H.H. (2011). Ethanol production from food residues. *Biomass & Bioenergy*, 35, 3271-3275.

- Hossain, M.A. and Becker, K. (2001). Nutritive value and antinutritional factors in different varieties of Sesbania seeds and their morphological fractions. *Food Chemistry*, 73(4), 421-431.
- Hudson, H. J. (1986). *Fungal Biology*. London : Arnold.
- Huisjes, E.H., Hulster, E., van Dam, J.C., Pronk, J.T. and van Maris, A.J. (2012). Galacturonic acid inhibits the growth of *Saccharomyces cerevisiae* on galactose, xylose, and arabinose. *Applied and Environmental Microbiology*, 78(15), 5052-5059.
- Huynh, Q.K., Borgmeyer, J.R., and Zobel, J.F. (1992). Isolation and characterization of a 22 kDa protein with antifungal properties from maize seeds. *Biochemical & Biophysical Research Communication*, 182, 1-5.
- Hwang, E.I., Ahn, B.T., Lee, H.B., Kim, Y.K., Lee, K.S., Bok, S.H., Kim, Y.T. and Kim, S.U. (2001). Inhibitory activity for chitin synthase II from *Saccharomyces cerevisiae* by tannins and related compounds. *Planta Medica*, 67(6), 501-504.
- Ja'afaru, M.I. and Fagade, O.E. (2007). Cellulase production and enzymatic hydrolysis of some selected local lignocellulosic substrates by a strain of *Aspergillus niger*. *Research Journal of Biological Sciences*, 2, 13-16.
- Jagadeeshbabu, P.E. and Viswanathan, R. (2010). Studies on the effect of pH, temperature and metal ions on the production of pectinase from tamarind kernel powder by submerged fermentation using *Aspergillus foetidus* (NCIM 505). *Asia-Pacific Journal of Chemical Engineering*, 5(2), 396-400.
- Jaitrong, S., Rattanapanone, N., Boonyakiat, D. and Baldwin, E.A. (2007). Total Dietary Fiber, Pectin and Lignin Contents during Chilling Injury in Longan Pericarps. 5th National Conference on Postharvest Technology, Miracle Grand Convention, Bangkok.
- Jane, J., Chen, Y.Y., Lee, L.F., McPherson, A.E., Wong, K.S., Radosavljevic, M. and Kasemsuwan, T. (1999). Effects of amylopectin branch chain length and amylose content on the gelatinization and pasting properties of starch. *Cereal Chemistry*, 76(5), 629-637.

- JECFA, (2006b). Pectinase form *Aspergillus niger*, var. [Online]. Available: <http://www.fao.org/ag/agn/jecfa-additives/specs/Monograph1/Additive-305.pdf> [2009, March 3].
- JECFA, (2006b). Hemicellulase form *Aspergillus niger*, var. [Online]. Available: <http://www.fao.org/ag/agn/jecfa-additives/specs/Monograph1/Additive-222.pdf> [2009, March 3].
- Jeerasantikul, S. (2005). *Physico-chemical and microbial analysis of dried longan flesh in Chiang Mai and Lamphun provinces*. Master's thesis, Chiang Mai University, Chiang Mai.
- Jeon, B.Y., Kim, D.H., Na, B.K., Ahn, D.H. and Park, D.H. (2008). Production of ethanol directly from potato starch by mixed culture of *Saccharomyces cerevisiae* and *Aspergillus niger* using electrochemical bioreactor. *Journal of Microbiology & Biotechnology*, 18(3), 545-551.
- Johnston, I.R. (1965). The composition of the cell wall of *Aspergillus niger*. *Biochemical Journal*, 96, 651.
- Jones, K.L. and Jones, S.E. (1984). Fermentations involved in the production of cocoa, coffee and tea. *Progress in Industrial Microbiology*, 19, 411-456.
- Kamwong, C. (2008). *Longan*. Bangkok : Bureau of Agricultural Commodities Promotion And Management, Department of Agricultural Extension.
- Karimi, K., Emtiazi, G. and Taherzadeh, M.J. (2006). Production of ethanol and mycelial biomass from rice straw hemicellulose hydrolyzate by *Mucor indicus*. *Process Biochemistry*, 41(3), 653-658.
- Keller, F., Hamilton, J.E. and Nguyen, Q.A. (2003). Microbial pretreatment of biomass potential for reducing severity of thermochemical biomass pretreatment. *Applied Biochemistry & Biotechnology*, 105, 27-41.
- Keller, F.A. (1996). Integrated bioprocess development for bioethanol production. In C.E. Wyman (Ed.), *Handbook on bioethanol : Production and utilization* (pp.351-379), Washington DC: Taylor & Francis.
- Kelly, C.T. and Fogarty, W.M. (1978). Production and properties of polygalacturonase lyase by an alkalophilic microorganism *Bacillus* sp RK 9. *Canadian Journal of Microbiology*, 24, 1164-1172.
- Kertesz, Z. I. (1951). *The Pectic Substances*. New York : Interscience Publishers.

- Kheng, P.P. and Omar, I.C. (2005). Xylanase production by a local fungal isolate, *Aspergillus niger* USM AI 1 via solid state fermentation using palm kernel cake (PKC) as substrate. *Songklanakarin Journal of Science & Technology*, 27(2), 325-336.
- Kornninos, J., Kekos, D., Macris, B.J. and Galiotou-Panayotou, M. (1988). Tannin-resistant α -amylase from *Calvatia gigantea*. *Biotechnology & Bioengineering*, 32, 939-941.
- Kuhar, S., Nair, L.M. and Kuhad, R.C. (2008). Pretreatment of lignocellulosic material with fungi capable of higher lignin degradation and lower carbohydrate degradation improves substrate acid hydrolysis and the eventual conversion to ethanol. *Canadian Journal of Microbiology*, 54(4), 305-313.
- Kunpratun, N. (2000). *Production of xylanase from Trichoderma reesei using agricultural wastes*. Master's thesis. Chulalongkorn University, Bangkok.
- Kumtip, T., Ganbua, S. and Sitthimoon, P. (2008). The Production of Organic Compounds from Expired Dried Longan Mixed with Molasses Using 15 Microbial Strains in Static Condition. [Online]. Available: www.agro.cmu.ac.th/research/WebAjarn/ppp%5Cnl_c079.ppt [2009, February 2].
- Krobthong, J. (2001). *The comparison between thermophilic bacteria and bionic in composting of solid waste from cannery industry with dry leaves*. Master's thesis, Chiang Mai University, Chiang Mai.
- Lai, Z., Chen, C., Zeng, L. and Chen, Z. (2000). Somatic embryogenesis in longan [*Dimocarpus longan* Lour.]. In S.M. Jain, P.K. Gupta and R.J. Newton (Eds.), *Somatic embryogenesis in woody plants* (pp.415-431), Dordrecht: Kluwer Academic Publishers.
- Laopaiboon, L., Nuanpeng, S., Srinophakun, P., Klanrit, P. and Laopaiboon, P. (2009). Ethanol production from sweet sorghum juice using very high gravity technology: effects of carbon and nitrogen supplementations. *Bioresource Technology*, 100(18), 4176-4182.

- Larsson, S., Palmqvist, E., Hahn-Hagerdal, B., Tengborg, C., Stenberg, K., Zacchi, G. and Nilvebrant, N.O. (1999). The generation of fermentation inhibitors during dilute acid hydrolysis of softwood. *Enzyme & Microbial Technology*, 24, 151-159.
- Lee, Y.J. (2005). *Oxidation of sugarcane bagasse using a combination of hypochlorite and peroxide*. Master's thesis. Chonnam National University, Gwangju.
- Lee, Y.J., Kim, B.K., Lee, B.H., Jo, K.I., Lee, N.K., Chung, C.H., Lee, Y.C. and Lee, J.W. (2008). Purification and characterization of cellulase produced by *Bacillus amyoliquefaciens* DL-3 utilizing rice hull. *Bioresource Technology*, 99(2), 378-386.
- Lin, Y., and Tanaka, S. (2006). Ethanol fermentation from biomass resources: current state and prospects. *Applied Microbiology & Biotechnology*, 69, 627-642.
- Liu, C., Ruan, H., Shen, H., Chen, Q., Zhou, B., Li, Y. and He, G. (2007). Optimization of the fermentation medium for alpha-galactosidase production from *Aspergillus foetidus* ZU-G1 using response surface methodology. *Journal of Food Science*, 72(4), 120-125.
- Liu, C.A., Wang, F. and Yang, F.O. (2009). Ethanol fermentation in a magnetically fluidized bed reactor with immobilized *Saccharomyces cerevisiae* in magnetic particles. *Bioresource Technology*, 100(2), 878-882.
- Liu, Y., Qi, T., Shen, N., Gan, M., Ji, N.Y. and Zhao, H. (2009). Improvement of ethanol concentration and yield by initial aeration and agitation culture in very high gravity fermentation. *Chinese Journal of Applied and Environmental Biology*, 15(4), 563-567.
- Lu, X., Zhang, Y. and Angelidaki, I. (2009). Optimization of H₂SO₄-catalyzed hydrothermal pretreatment of rapeseed straw for bioconversion to ethanol: focusing on pretreatment at high solids content. *Bioresource Technology*, 100(12), 3048-3053.
- Lu, Y. and Mosier, N.S. (2008). Current technologies for fuel ethanol production from lignocellulosic plant biomass. In W. Vermerris (Ed), *Genetic improvement of bioenergy crops* (pp.161-182), New York : Springer Science+Business Media, LLC.

- Ludueno, L., Fasce, D., Alvarez, V.A. and Stefani, P.M. (2011). Nanocellulose from rice husk following alkaline treatment to remove silica. *Bioresources*, 6, 1440-1453.
- Mahattanatawee, K., Manthey, J.A., Luzio, G., Talcott, S.T., Goodner, K. and Baldwin, E.A. (2006). Total antioxidant activity and fiber content of select Florida-grown tropical fruits. *Journal of Agricultural & Food Chemistry*, 54(19), 7355-7363.
- Majumder, L., Khalil, I., Munshi, M.K., Alam, K., Rashid, H.O., Begum, R. and Alam, N. (2010). Citric acid production by *Aspergillus niger* using molasses and pumpkin as substrates, *European Journal of Biological Sciences*, 2(1), 1-8.
- Margeot, A., Hahn-Hagerdal, B., Edlund, M., Slade, R. and Monot, F. (2009). New improvements for lignocellulosic ethanol. *Energy & Environmental Biotechnology*, 3, 372-380.
- Marium, I., Manzoor, K. and Ali, S. (2009). Enhanced production of ethanol from free and immobilized *Saccharomyces cerevisiae* under stationary culture. *Pakistan Journal of Botany*, 41(2), 821-833.
- Martin, J.F.G., Cuevas, M., Bravo, V. and Sanchez, S. (2010). Ethanol production from olive prunings by autohydrolysis and fermentation with *Candida tropicalis*. *Renewable Energy*, 35(7), 1602-1608.
- Martins, L.F., Kolling, D., Camassola, M., Dillon, A.J. and Ramos, L.P. (2008). Comparison of *Penicillium echinulatum* and *Trichoderma reesei* cellulases in relation to their activity against various cellulosic substrates. *Bioresource Technology*, 99(5), 1417-1424.
- Marx, S., Brandling, J. and van der Grypt, P. (2012). Ethanol production from tropical sugar beet juice. *African Journal of Biotechnology*, 11(54), 11709-11720.
- McDougall, G.J., Shpiro, F., Dobson, P., Smith, P., Blake, A. and Stewart, D. (2005). Different polyphenolic components of soft fruits inhibit alpha-amylase and alpha-glucosidase. *Journal of Agricultural & Food Chemistry*, 53(7), 2760-2766.

- Melendez, M., Moriarty, K. and Dafoe, W. (2009). Status and Issues for Ethanol (E85) in the United States. [Online]. Available: http://www1.eere.energy.gov/cleancities/pdfs/status_issues_ethanol.pdf [2012, July 3].
- Mendels, M., Andwotti, R. and Roche, C. (1976). Measurement of saccharifying cellulase. *Biotechnology & Bioengineering Symposium*, 6, 21-33.
- Michelena, V.V. and Castillo, F.J. (1984). Production of amylase by *Aspergillus foetidus* on rice flour medium and characterization of the enzyme. *Journal of Applied Microbiology*, 56(3), 395-407.
- Miller, G.L. (1959). Use of dinitrosalicylic acid reagent for determination of reducing sugars. *Analytical Chemistry*, 31, 426-428.
- Modig, T. Liden, G. and Taherzadeh, M.J. (2002). Inhibition effects of furfural on alcohol dehydrogenase, aldehyde dehydrogenase and pyruvate dehydrogenase. *Biochemical Journal*, 363, 769-776.
- Mohan, P.R., Ramesh, B. and Reddy, O.V.S. (2012). Biological Pretreatment of Rice Straw by *Phenarochete chrysosporium* for the Production of Cellulases and Xylanases using *Asperigillus niger* Isolate. *Research Journal of Microbiology*, 7, 1-12.
- Mohanty, S.M., Behera, S., Swain, M.R. and Ray, R.C. (2009). Bioethanol production from mahula (*Madhuca latifolia* L.) flowers by solid-state fermentation. *Applied Energy*, 86, 640-644.
- Monrroy, M., Ibanez, J., Melin, V., Baeza, J., Mandoca, R.T., Contreras, D. and Freer, J. (2010). Bioorganosolv pretreatments of *P. radiata* by a brown rot fungus (*Gloephyllum trabeum*) and ethanolysis. *Enzyme & Microbial Technology*, 47(1-2), 11-16.
- Mount, M.S., Bateman, D.F. and Basham, H.G. (1970). Induction of electrolyte loss, tissue maceration. *Phytopathology*, 60, 924-931.
- Muhammad, I., Muhammad, N. and Quratualain, S. (2012). Media optimization for amylase production in solid state fermentation of wheat bran by fungal strains. *Journal of Cell & Molecular Biology*, 10(1), 55-64.

- Narendranath, N. V. and Power, R. (2005). Relationship between pH and medium dissolved solids in terms of growth and metabolism of Lactobacilli and *Saccharomyces cerevisiae* during ethanol production. *Applied & Environmental Microbiology*, 71(5), 2239-43.
- Nair, C.S. and Bone, D.H. (1987). Production of lipase of *Aspergillus foetidus* in a batch stirred reactor. *Biotechnology Letters*, 9(8), 601-604.
- Nasr, S.L. (2009). How Cellulosic Ethanol Works. [Online]. Available: <http://science.howstuffworks.com/environmental/green-tech/energy-production/cellulosic-ethanol1.htm> [2012, April 4].
- Negi, S. and Banerjee, R. (2009). Characterization of amylase and protease produced by *Aspergillus awamori* in a single bioreactor. *Food Research International*, 42(4), 443-448.
- Nichols-orians, O. (1991). Condensed tannins, attine ants, and the performance of a symbiotic fungus. *Journal of Chemical Ecology*, 6, 1177-1195.
- Ocloo, F.C.K. and Ayernor, G.S. (2010). Production of alcohol from cassava flour hydrolysate. *Journal of Brewing & Distilling*, 1(2), 15-21.
- Oda, Y., Nakamura, K., Shinomiya, N. and Ohba, K. (2010). Ethanol fermentation of sugar beet thick juice diluted with crude cheese whey by the flex yeast *Kluyveromyces marxianus* KD-15. *Biomass & Bioenergy*, 34(8), 1263-1266.
- Office of Agricultural Economics. (2009). Longan. [Online]. Available: http://www.oae.go.th/ewtadmin/ewt/oae_web/download/document/longan.pdf [2009, March 3].
- Oinonen, A.M., Paloheimo, M., Lantto, R. and Suominen, P. (2005). Enhanced production of cellobiohydrolases in *Trichoderma reesei* and evaluation of the new preparations in biofinishing of cotton. *Journal of Biotechnology*, 116(3), 305-317.
- Okafor, U.A., Okochi, V.I., Onyegeme-Okerenta, B.M. and Chinedu, S.N. (2007). Xylanase production by *Aspergillus niger* ANL 301 using agro-wastes. *African Journal of Biotechnology*, 6 (14), 1710-1714.
- Oshoma, C.E., Imarhiagbe, E.E., Ikenebomeh, M.J. and Eigbaredon, H.E. (2010). Nitrogen supplements effect on amylase production by *Aspergillus niger* using cassava whey medium. *African Journal of Biotechnology*, 9(5), 682-686.

- Palakul, S., Fongdoug, S. and Lekswasdi, N. (2006). Production of Ethanol From Dried Longan. The 8th Agro-Industrial Conference : Food Innovation, Bitec Bangna, Bangkok.
- Pandey, A., Selvakumar, P., Soccol, C.R. and Nigam, P. (1999). Solid state fermentation for the production of industrial enzymes. *Current Science*, 77, 149-162.
- Panyamara, J. and Panyamara, A. (2011). Fuel ethanol production from biomass conversion in Iran. *International Journal of ChemTech Research*, 3(3), 1446-1449.
- Panyatep, J. 2005. *Survey of dring processes and quality asesment of dried whole longan fruit in Chiang Mai and Lamphun provines*. Master's thesis. Chiang Mai University, Chiang Mai.
- Pascoal, A.M., Mitidieri, S. and Fernandes, K.F. (2011). Immobilisation of α -amylase from *Aspergillus niger* onto polyaniline. *Food & Bioproducts Processing*, 89(4), 300-306.
- Patel, S.J., Onkarappa, R. and Shoba, K.S. (2007). Comparative study of ethanol production from microbial pretreated agricultural residues. *Journal of Applied Sciences & Environmental Management*, 11(4), 137-141.
- Pere, J., Siika-Aho, M., Buchert, J. and Viikari, J. (1995). Effects of purified *Trichoderma reesei* cellulases on the fibre properties of kraft pulp. *Tappi Journals*, 8, 78-71.
- Prasad, N.B.D. (2008). *Pretreatment of agro-residues for bioethanol production*. Master's thesis, Dharwad university of Agricultural Sciences, Karnataka.
- Prasad, S., Singh, A., Jain, N. and Joshi, H.C. (2007). Ethanol production from sweet sorghum syrup for utilization as automotive fuel in India. *Energy Fuels*, 21, 2415-2420.
- Qin, J., Zhao, B., Wang, X., Wang, L., Yu, B., Ma, Y., Ma, C., Tang, H., Sun, J. and Xu, P. (2009). Non-sterilized fermentative production of polymer-grade L-lactic acid by a newly isolated thermophilic strain *Bacillus sp.* 2–6. *PLoS ONE*, 4(2), 4359.

- Reilly, P.J. (2007). Chapter 5 - amylase and cellulase structure and function. In S.T. Yang (Ed.), *Bioprocessing for value-added products from renewable resources*, Amsterdam : Elsevier.
- Rezaei, F. and Vanderghenst, J.S. (2010). Critical moisture content for microbial growth in dried food-processing residues. *Journal of the Science of Food & Agriculture*, 90(12), 2000-2005.
- Rick, W. and Stegbauer, H.P. (1974). Alpha amylase measurement of reducing groups. In H.V. Bergmeyer (Ed.), *Methods of enzymetic analysis* (pp.885-889), New York : Academic Press.
- Rodmui, A., Kongkiattikajorn, J. and Dandusitapun, Y. (2008). Optimization of agitation conditions for maximum ethanol production by coculture. *Kasetsart Journal (Natural Science)*, 42, : 285-293.
- Rojas-Rejon, O.A., Cristiani-Urbina, E., Poggi-Varaldo, H.M., Ramos-Valdivia, A.C., Martinez-Jimenez, A. and Ponce-Noyola, T. (2010). Production of cellulase and xylanase by *Cellulomonas flavigena* immobilized in sodium alginate in bubble column reactors. *Journal of Biotechnology*, 150, 358.
- Rombouts, F.M. and Pilnik, W. (1980). Pectic enzyme. In A.H. Rose (Ed.), *Microbial enzymes and bioconversions* (pp.228-272), New York : Academic.
- Ruamchai, K. Changrue, V., Chaitep, S. and Jompakdee, W. (2012). Ethanol Production from Low Quality Dried Longan. Poster 9, The 13th Annual Conference of Thai Society of Agricultural Engineering. Imperial Mae-Ping, Chiang Mai.
- Ruanglek, V., Maneewatthana, D. and Tripetchkul, S. (2006). Evaluation of Thai agro-industrial wastes for bio-ethanol production by *Zymomonas mobilis*. *Process Biochemistry*, 41, 1432-1437.
- Saddler, J.N. and Mes-Hartree, M. (1984). The enzymatic hydrolysis and fermentation of pretreated wood substrates. *Biotechnology Advances*, 2(2), 161-81.
- Sae-Lee, N. (2007). The production of fungal mannanase, cellulase and xylanase using palm kernel meal as a substrate. *Walailak Journal of Science & Technology*, 4(1), 67-82.

- Sahnoun, M., Bejar, S., Sayari, A., Triki, M.A., Kriaa, M. and Kammoun, R. (2012). Production, purification and characterization of two α -amylase isoforms from a newly isolated *Aspergillus Oryzae* strain S2. *Process Biochemistry*, 47(1), 18-25.
- Salvachua, D., Prieto, A., Lopez-Abelairas, M., Lu-Chau, T., Martinez, A.T. and Martinez, M.J. (2011). Fungal pretreatment: An alternative in second-generation ethanol from wheat straw. *Bioresource Technology*, 102(16), 7500-7506.
- Samson, R.A., Houbraeken, J., Summerbell, R.C., Flannigan, B. and Miller, J.D. (2001). Common and important species of fungi and actinomycetes in indoor environments. In B. Flannigan, J.D. Miller and R.A. Samson (Eds.), *Microorganisms in home and indoor work environments* (pp.287-292), New York : Taylor & Francis.
- Sanchez, R.G., Karhumaa, K., Fonseca, C., Nogue, V.S., Almeida, J.R., Larsson, C.U., Bengtsson, O., Bettiga, M., Hahn-Hagerdal, B.H. and Gorwa-Grauslund, M.F. (2010). Improved xylose and arabinose utilization by an industrial recombinant *Saccharomyces cerevisiae* strain using evolutionary engineering. *Biotechnology for Biofuels*, 3, 13.
- Sauvant, D., Perez, J.M. and Tran, G. (2004). *Tables of Composition and Nutritional Value of Feed Materials*. Paris: The Netherlands and INRA.
- Schauer, F. and Borriss, R. (2004). Biocatalysis and biotransformation. In J.S. Tkacz and L. Lange (Eds.), *Advances in fungal biotechnology for industry, agriculture, and medicine* (pp. 239-246), New York : Plenum Publishers.
- Schols, H.A. and Voragen, A.G.J. (1996). Complex pectins: structure elucidation using enzyme. In J. Visser and A.G. Voragen (Eds.), *Progress in biotechnology, 14 : Pectin and pectinases* (pp.793-798), Amsterdam : Elsevier Science.
- Sepahy, A.A., Ghazi, S. and Sepahy, M.A. (2011). Cost-effective production and optimization of alkaline xylanase by indigenous *Bacillus mojavenis* AG137 fermented on agricultural waste. *Enzyme Research*.

- Shah, A.R. and Madamwar, D. (2005). Xylanase production by a newly isolated *Aspergillus foetidus* strain and its characterization. *Process Biochemistry*, 40, 1763-1771.
- Shetty, K., Paliyath, G., Pometto A. and Levin, R.E. (2006). *Food Biotechnology*. Florida : CRC Press.
- Shigechi, H., Koh, J., Fujita, Y., Matsumoto, T., Bito, Y., Ueda, M., Satoh, E., Fukuda, H. and Kondo, A. (2004). Direct production of ethanol from raw corn starch via fermentation by use of a novel surface-engineered yeast strain codisplaying glucoamylase and α -amylase. *Applied & Environmental Microbiology*, 70(8), 5037-5040.
- Shrestha, P., Rasmussen, M., Khanal, S.K., Pometto, A.L. and Leeuwen, J.H. (2008). Solid-substrate fermentation of corn fiber by *Phanerochaete chrysosporium* and subsequent fermentation of hydrolysate into ethanol. *Journal of Agricultural & Food Chemistry*, 56(11), 3918-3924.
- Simao, R.C., Souza, C.G. and Peralta, R.M. (1997). Induction of xylanase in *Aspergillus tamaritii* by methyl β -D-xyloside. *Applied Microbiology & Biotechnology*, 47(3), 267-271.
- Smith, J.E. (1994). *Aspergillus*. New York : Plenum Press.
- Sohail, M., Siddiqi, R., Ahmad, A. and Khan, S.A. (2009). Cellulase production from *Aspergillus niger* MS82: effect of temperature and pH. *New Biotechnology*, 25(6), 437-441.
- Sreenath, H.K., Sudarshana, K.R.K. and Santhanam, K. (1995). Enzymatic liquefaction of some varieties of mango pulp. *Lebensmittel Wissenschaft & Technologie*, 28, 196-200.
- Suksombat, W., Lounglawan, P. and Noosen, P. (2007). Energy evaluation and utilization of cassava pulp for lactating dairy cows. *Suranaree Journal of Science & Technology*, 14, 99-107.
- Sukumaran, R.K., Singhania, R.R., Mathew, G.M. and Pandey, A. (2009). Cellulase production using biomass feed stock and its application in lignocellulose saccharification for bio-ethanol production. *Renewable Energy*, 34, 421-424.

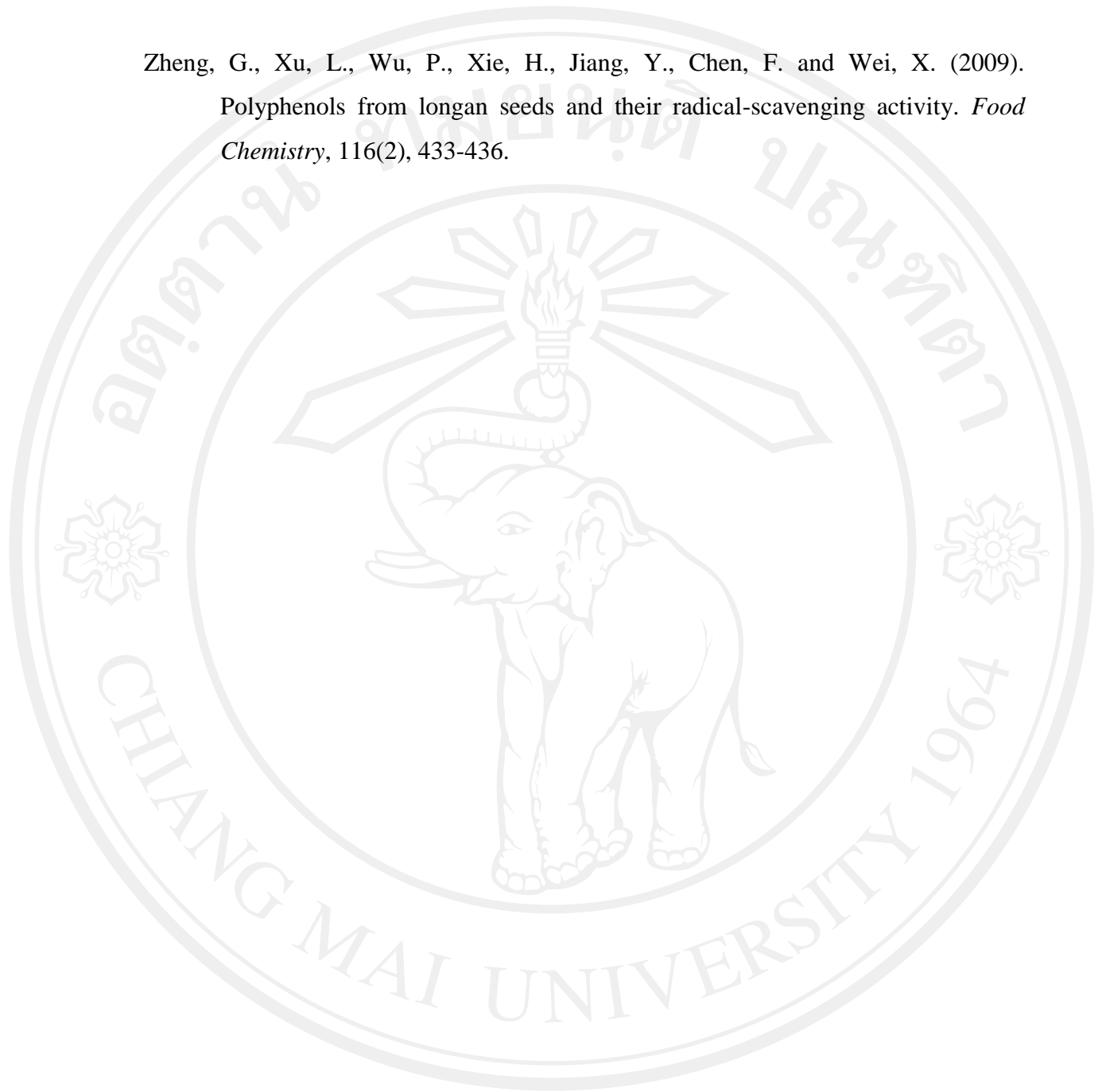
- Sumphanwanich, J. (2006). *Selection of agriculture wastes as substrate for ethanol fermentation by Saccharomyces cerevisiae*. Master's thesis, Chulalongkorn University, Bangkok.
- Sun, Y. and Cheng, J. (2002). Hydrolysis of lignocellulosic materials for ethanol production: a review. *Bioresource Technology*, 83(1), 1-11.
- Taherzadeh, M.J. (1999). *Ethanol from lignocellulose: physiological effects of inhibitors and fermentation strategies*. Doctor of philosophy's thesis. Chalmers University of Technology, Göteborg.
- Taherzadeh, M.J. and Karimi, K. (2008). Pretreatment of lignocellulosic wastes to improve ethanol and biogas production: a review. *International Journal of Molecular Sciences*, 9, 1621-1651.
- Taniguchi, H. and Honda, Y. (2009). Amylases. *Encyclopedia of Microbiology*, 1, 159-173.
- Techapoonyong, W. (2003). *Wine and brandy productions form dried longan*. Master's thesis, Chiang Mai University, Chiang Mai.
- Thailand's Agricultural Information Center. (2007). *Based of Agricultural Economics 2007*. Bangkok: Office of Agricultural Economics.
- The Administrative Court. (2009). [Online]. Available: court.admincourt.go.th/ordered/Attach/52/1-3-52-287.doc [2012, April 8].
- The Plant Variety Protection Office. (2002). *Plant Germplasm Database : Longan*. Bangkok : Agricultural Co-operative Federation of Thailand Ltd.
- Thomas, K.C., Hynes, S.H. and Ingledew, W.M. (2002). Influence of medium buffering capacity on inhibition of *Saccharomyces cerevisiae* growth by acetic and lactic acids. *Applied & Environmental Microbiology*, 68(4), 1616-1623.
- Thondset, W., Bower, B., Caguiat, R., Baldwin, T. and Ward, M. (2010). Isolation of a strain of *Trichoderma reesei* with improved glucoamylase secretion by flow cytometric sorting. *Enzyme & Microbial Technology*, 47(7), 342-347.
- Thuesombat, P., Thanonkeo, P., Laopaiboon, L., Laopaiboon, P., Yunchalard, S., Kaewkannetra, P. and Thanonkeo, S. (2007). The batch ethanol fermentation of Jerusalem artichoke using *Saccharomyces cerevisiae*. *KMITL Science & Technology Journal*, 7(2), 93.

- Toivari, M.H., Salusjarvi, L., Ruohonen, L. and Penttila, M. (2004). Endogenous Xylose Pathway in *Saccharomyces cerevisiae*. *Applied & Environmental Microbiology*, 70(6), 3681-3686.
- Tongklib, C. (2005). *Selection of Aspergillus produced animal feed enzymes and factors affecting enzyme production in solid state culture using rice straw as main raw material source*. Master's thesis, Kasetsart University, Bangkok.
- Tonukari, N.J. (2004). Cassava and the future of starch. *Electronic Journal of Biotechnolog*, 7(1).
- Torres, E.F., Lopez, J.C., Rivero, M.G. and Rojas, M.G. (1998). Kinetics of growth of *Aspergillus niger* during submerged, agar surface and solid state fermentations. *Process Biochemistry*, 33, 103-107.
- TSCA. (1997). Attachment I-Final Risk Assessment for *Aspergillus niger*. [Online]. Available: www.epa.gov/oppt/biotech/pubs/pdf/fra006.pdf [2009, September 24].
- Tulyathan, V., Tananuwong, K., Songjinda, P. and Jaiboon, N. (2002). Some physicochemical properties of jackfruit (*Artocarpus heterophyllus* Lam) seed flour and starch. *Science Asia*, 28, 37-41.
- Turhan, I., Bialka, K.L., Demirci, A. and Karhan, M. (2010). Ethanol production from carob extract by using *Saccharomyces cerevisiae*. *Bioresource Technology*, 101, 5290-5296.
- Vandenbergh, L.P.S., Soccol, C.R., Pandey, A. and Lebeault, J.M. (2000). Solid-state fermentation for the synthesis of citric acid by *Aspergillus niger*. *Bioresource Technology*, 74(2), 175-178.
- van Maris, A.J., Abbott, D.A., Bellissimi, E., van den Brink, J., Kuypers, M., Luttik, M.A., Wisselink, H.W., Scheffers, W.A., van Dijken, J.P. and Pronk J.T. (2006). Alcoholic fermentation of carbon sources in biomass hydrolysates by *Saccharomyces cerevisiae* : Current status. *Antonie Van Leeuwenhoek*, 90(4), 391-418.
- Varalakshmi, K.N., Kumudini, B.S., Nandini, B.N., Solomon, J., Suhas, R., Mahesh, B. and Kavitha, A.P. (2009). Production and characterization of α -amylase from *Aspergillus niger* JGI 24 isolated in Bangalore. *Polish Journal of Microbiology*, 58(1), 29-36.

- Viet, T.Q., Hoan, T.X. and Huyen, L.V. (2005). Utilization of Longan Seed Meal (by-Products of Dried Longan Pulp Processing as Local and Available Feed Resources for Dairy Goats in Winter Season of Vietnam. Workshop-Seminar, Making Better Use of Local Feed Resources, MEKARN-CTU, Cantho.
- Visuthihada, V. 2008. *Optimization for tannase production from dried longan seed powder by Aspergillus niger 56MS1*. Master's thesis, Chiang Mai University, Chiang Mai.
- Ward, O.P. (1989). *Fermentation Biotechnology*. Englewood Cliffs : Prentice Hall.
- Wasserman, R. Difference between Sucrose and Starch in Flour. [Online]. Available: <http://www.livestrong.com/article/292469-difference-between-sucrose-and-starch-in-flour/> [2012, April 23].
- Wauters, T., Iserentant, D. and Verachtert, H. (2001). Sensitivity of *Saccharomyces cerevisiae* to tannic acid is due to iron deprivation. *Canadian Journal of Microbiology*, 47(4), 290-293.
- Wen, Z., Liao, W. and Chen, S. (2005). Production of cellulase by *Trichoderma reesei* from dairy manure. *Bioresource Technology*, 96(4), 491-499.
- Whitaker, J.R., Voragen, A.G.J and Wong, D.W.S. (2003). *Handbook of Food Enzymology*. New York : Marcel Dekker.
- Wikandari, R., Millati, R., Syamsiyah, S., Muriana, R. and Ayuningsih, Y. (2010). Effect of furfural, hydroxymethylfurfural and acetic acid on indigenous microbial isolate for bioethanol production. *Agricultural Journal*, 5(2), 105-109.
- Woiciechowski. A.L., Nitsche, S., Pandey, A. and Soccol, C.R. (2002). Acid and enzymatic hydrolysis to recover reducing sugars from cassava bagasse: an economic study. *Brazilian Archives of Biology & Technology*, 45(3).
- Wong, K.K.Y. and Shaddler, J.N. (1993). Applications of hemicellulases in the food, feed and pulp and paper industries. In M.P. Coughlan and G.P. Hazlewood (Eds.), *Hemicellulose and hemicellulases* (pp.127-144), London : Portland Press.
- Xiong, H. (2004). *Production and characterization of Trichoderma reesei and Thermomyces lanuginosus xylanases*. Doctor of philosophy's thesis. Helsinki University of Technology, Espoo.

- Yamaji, K., Matsumura, Y., Ishitani, H., Yamada, K., Wyman, C.E. and Tolan, J.S. (2003). Production of Low-Cost Bioethanol to be a Rival to Fossil Fuel. [Online]. Available: http://kubusz.net/Jahoda/Vystup/Zdroje/h-03y_e.pdf [2012, July 3].
- Yuwa-Amornpitak, T. (2010). Ethanol production from cassava starch by selected fungi from tan-koji and *Saccharomyces cerevisiae*. *Biotechnology*, 9(1), 84-88.
- Yang, C., He, N., Ling, X., Ye, M., Zhang, C., Shao, W., Yao, C., Wang, Z. and Li, Q. (2008). The isolation and characterization of polysaccharides from longan pulp. *Separation & Purification Technology*, 63, 226–230.
- Yoswathana, N., Phuriphat, P., Treyawutthiwat, P. and Eshtiaghi, N. (2010). Bioethanol production from rice straw. *Energy Research Journal*, 1(1), 26-31.
- Yunchalad, M., Supasri, R., Boonbumrung, S., Wongkrajank, K., Hiraga, C. and Watanasook, A. (2008). Pre-concentration of longan juice extract with microfiltration and reverse osmosis. *Asian Journal of Food & Agro-Industry*, 1(1), 17-23.
- Zakpaa, H. D., Mak-Mensah, E. E. and Johnson, F. S. (2009). Production of bioethanol from corn cobs using *Aspergillus niger* and *Saccharomyces cerevisiae* in simultaneous saccharification and fermentation. *African Journal of Biotechnology*, 8(13), 3018-2022.
- Zhang, L., Liu, Y., Niu, X., Liu, Y. and Liao, W. (2012). Effects of acid and alkali treated lignocellulosic materials on cellulase/xylanase production by *Trichoderma reesei* Rut C-30 and corresponding enzymatic hydrolysis. *Biomass & Bioenergy*, 37, 16-24.
- Zhang, X., Xu, C. and Wang, H. (2007). Pretreatment of bamboo residues with *Coriolus versicolor* for enzymatic hydrolysis. *Journal of Bioscience & Bioengineering*, 104(2), 149-151.
- Zhao, L., Zhang, X. and Tan, T. (2008). Influence of various glucose/xylose mixtures on ethanol production by *Pachysolen tannophilus*. *Biomass & Bioenergy*, 32(12), 1156-1161.

Zheng, G., Xu, L., Wu, P., Xie, H., Jiang, Y., Chen, F. and Wei, X. (2009). Polyphenols from longan seeds and their radical-scavenging activity. *Food Chemistry*, 116(2), 433-436.



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