

REFERENCES

- Angkanurukpun, P., P. Sriburi and P. Kannasawud, 2006. Improvement of Carica papaya Lipase for methanolysis of triolein, *Chiang Mai Journal of Science.*, 33 (2): 217-222.
- Bala, B., 2005. Studies on biodiesels from transesterification of vegetable oils for diesel engines. *Energy, Education, Science and Technology.*, 15: 1-43.
- Balat, M., 2008. Biodiesel Fuel Production from Vegetable Oils via Supercritical Ethanol Transesterification. *Energy Sources. Part A.*, 30 (5): 429 - 440.
- Bunyakiat, K., S. Makmee, R. Sawangkeaw and S. Ngamprasertsith, 2006. Continuous production of biodiesel via transesterification from vegetable oils in supercritical methanol. *Energy & Fuels.*, 20: 812-817.
- Cheng, J., Y. Li, S. He, W. Shen, Y. Liu, and Y. Song, 2008. Reaction kinetics of transesterification between vegetable oil and methanol under supercritical condition. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects* 30 (8): 681-688.
- Chongkhong, S., C. Tongurai and P. Chetpattananondh, 2009. Continuous esterification for biodiesel production from palm fatty acid distillate using economical process. *Renewable Energy.*, 34: 1059-1063.
- Chongkhong S, C. Tongurai, P. Chetpattananondh and C. Bunyakan, 2007. Biodiesel production by esterification of palm fatty acid distillate. *Biomass and Bioenergy* 31: 563-568.

- Dasari, M., M. Goff, and G. Suppes, 2003. Noncatalytic Alcoholysis Kinetics of Soybean Oil. *Journal of the American Oil Chemists' Society.*, 80 (2):189-192.
- Demirbas, A., 2002. Biodiesel from vegetable oil via transesterification in supercritical methanol. *Energy Conservation and management.*, 43:2349-2356.
- Diasakou, M., A. Louloudi and N. Papayannakos, 1998. Kinetics of the non-catalytic transesterification of soybean oil. *Fuel.*, 77 (12): 1297-1302.
- Department of Alternative Energy Development and Efficiency. Ministry of Energy, Thailand. (accessed 8 July 2011). Available from <http://www.dede.go.th>
- Han, H., W. Cao and J. Zhang, 2005. Preparation of biodiesel from soybean oil Using supercritical methanol and CO₂ as co-solvent. *Process Biochemistry.*, 40 (9): 3148-3151.
- He, H., T. Wang and S. Zhu, 2007. Continuous production of biodiesel fuel from vegetable oil using supercritical methanol process. *Fuel.*, 86 (3): 442-447.
- Jayed, M., H. Masjukia, R. Saidura, M. Kalama and M. Jahirula, 2009. Environmental aspects and challenges of oilseed produced biodiesel in Southeast Asia. *Renewable and Sustainable Energy Reviews.*, 13 (9), 2452-2462.
- Jaipayul, Attapol, and Arttapon Chaysangmongkon, 2007. Study of biodiesel production from vegetable oil by supercritical methanol in batch type method. Undergraduate final year report, Mechanical Technology, Faculty of Engineering, Rajamongkala University of Technology Lanna. (in Thai)
- Joelianingsih, H., H. Maeda, S. Hagiwara, H. Nabetani, Y. Sagara, T. Soerawidjaya, A. Tambunan and K. Abdullah. 2008. Biodiesel fuels from palm oil via the

- non-catalytic transesterification in a bubble column reactor at atmospheric pressure: A kinetic study. *Renewable Energy*, 33: 1629-1636.
- Knothe, G., 2001. Determining the blend level of mixtures of biodiesel with conventional diesel fuel by fiber-optic near-infrared spectroscopy and ^1H nuclear magnetic resonance spectroscopy. *Journal of the American Oil Chemists' Society*, 78 (10): 1025-1028.
- , 2006. Analyzing Biodiesel: Standards and Other Methods. *Journal of the American Oil Chemists' Society*, 83 (10): 823-833.
- Kusdiana, D. and S. Saka, 2004. Effects of water on biodiesel fuel production by supercritical methanol treatment. *Bioresource Technology*, 91: 289-295.
- Lim S., S. Hoong, L. Teong and S. Bhatia, 2010. Supercritical fluid reactive extraction of *Jatropha curcas* L. seeds with methanol: A novel biodiesel production method. *Bioresource Technology*, 101: 7169-7172.
- Madras, G., C. Kolluru and R. Kumar, 2004. Synthesis of biodiesel in supercritical fluids. *Fuel*, 83: 2029-2033.
- Marchetti, J., V. Miguel and A. Errazu, 2007. Heterogeneous esterification of oil with high amount of free fatty acids. *Fuel*, 86: 906-910.
- Martchamadol J., 2007. Bio-fuels from energy crops and lignocellulosic materials in Thailand: technology and potential. Master thesis in School of Environment, Resources and Development, Asian Institute of Technology, Thailand.
- Monteiro M., A. Ambrozin, L. Lião and A. Ferreira, 2009. Determination of biodiesel blend levels in different diesel samples by ^1H NMR, *Fuel*, 88 (4): 691-696.

- Petchmala, A., D. Yujaroen, A. Shotipruk, M. Goto and M. Sasaki, 2008. Production methylesters from palm fatty acids in supercritical methanol. *Chiang Mai Journal of Science.*, 35(1): 23-28.
- Petchtong, Toucharloon and Napawan Nipkakul, Kinetic study on esterification for biodiesel production by using 10%HPW/ Al_2O_3 , 10%HsiW/ $\text{H}_2\text{SO}_4/\text{Al}_2\text{O}_3$ and 10% $\text{H}_2\text{SO}_4/\text{Al}_2\text{O}_3$ catalyst. (in Thai), (accessed 19 July 2007). Available from <http://phoenix.eng.psu.ac.th/chem/File/445-2-2549/Manuscript%20in%20PDF/Manuscript%2014.pdf>
- Pinnarat, T. and P. Savage, 2008. Assessment of Noncatalytic Biodiesel Synthesis Using Supercritical Reaction Conditions. *Industrial & Engineering Chemistry Research.*, 47: 6801-6808.
- Saka, S. and D. Kusdiana, 2001. Biodiesel fuel from rapeseed oil as prepared in supercritical methanol. *Fuel.*, 80: 225-231.
- Shibasaki-Kitakawa, N., H. Honda, H. Kuribayashi, T. Toda, T. Fukumura and T. Yonemoto, 2007. Biodiesel production using anionic ion-exchange resin as heterogeneous catalyst. *Bioresource Technology.*, 98 (2): 416-421.
- Song, E., J. Lim, H. Lee and Y. Lee, 2008. Transesterification of RBD palm oil using supercritical methanol. *Journal of Supercritical Fluid.*, 44: 356-363.
- Siriwardhana, M., G. Opathella and M. Jha, 2009. Bio-diesel: Initiatives, potential and prospects in Thailand: A review. *Energy Policy.*, 37(2): 554-559.
- Suppes, G., M. Dasari, E. Doskocil, P. Mankidy and M. Goff, 2004. Transesterification of soybean oil with zeolite and metal catalysts. *Applied Catalysis A: General.*, 257 (2): 213-223.

- Sukhawanit, C., P. Srinophakun and M. Matsumura, 2004. Biodiesel Production from Crude Sunflower Oil. *Journal of Research in Engineering and Technology Publication by Faculty of Engineering, KU.*, 2004 (1): January-March.
- Satoshi, F., H. Matsuhashi, and A.Kazushi, 2004. Biodiesel fuel production with solid superacid catalyst in fixed bed reactor under atmospheric pressure. *Catatyst Communication.*, 5: 721-723.
- Varma, M., and G. Madras, 2007. Synthesis of biodiesel from castor oil and linseed oil in supercritical fluids. *Industrial & Engineering Chemistry Research.*, 46 (1):1-6.
- Yin, J., M. Xiao and J. Song, 2008. Biodiesel from soybean oil in supercritical methanol with co-solvent. *Energy Conversion and Management.*, 49 (5): 908-912.