

## บรรณานุกรม

- กระทรวงพลังงาน. 2550. ไบโอดีเซล. สืบค้นเมื่อ 5 ตุลาคม 2550, จาก  
<http://www.energy.go.th/moen/Index.aspx?MenuID=60>.
- Ashby, R.D., Nuñez, A., Solaiman, D.K.Y., and Foglia, T.A., (2005). Sophorolipid biosynthesis from a biodiesel co-product stream. **Journal of the American Oil Chemists' Society**, 82, 625-630.
- Banat, I. M. (1995). Biosurfactants production and possible uses in microbial enhanced oil recovery and oil pollution remediation: a review. **Bioresouce Technology**, 51, 1-12.
- Benincasa, M., Abalos, A., Oliveira, I., and Manresa, A. (2004). Chemical structure, surface properties and biological activities of the biosurfactant produced by *Pseudomonas aeruginosa* LBI from soapstock. **Antonie van Leeuwenhoek**, 85, 1-8.
- Cameotra, S.S., R.S. Makkar, (2004) Recent applications of biosurfactants as biological and immunological molecules. **Current Opinion in Microbiology**, 7, 262-266.
- Chávez, G.C., Lépine, F., and Déziel, E. (2005). Production of rhamnolipids by *Pseudomonas aeruginosa*. **Applied Microbiology and Biotechnology**, 68, 718-725.
- Chayabutra, C., and Ju, L-K. (2001). Polyhydroxyalkanoic acids and rhamnolipids are synthesized sequentially in hexadecane fermentation by *Pseudomonas aeruginosa* ATCC 10145. **Biotechnology Progress**, 17(3), 419-423.
- Cirigliano, M.C., and Carman, G.M. (1985). Purification and characterization of liposan, and bioemulsifier from *Candida lipolytica*. **Apply Environment Microbiology**, 51, 846-850.
- Cirigliano, M.C., and Carman, G.M. (1984). Isolation of bioemulsifier from *Candida lipolytica*. **Apply Environment Microbiology**, 84, 474-750.
- Cooper, D.G., Zajic, J.E., Gerson, D.E., and Manninen, K.I. (1980). Isolation and identification of biosurfactant produced during anaerobic growth of *Clostridium pasteurianum*: **Journal of Fermentation Technology**, 58, 83-86.
- Desai, J.D., and Banat, I.M., (1997). Microbial production of surfactants and their commercial potential. **Microbiology and Molecular Biology Reviews** 61, 47-64.
- Dezial, J.D., Lepine, F., Milot, S. and Villemur, R. (2000). Mass spectrometry monitoring of rhamnolipids from a growing culture of *Pseudomonas aeruginosa* strain 57RP. **Biochimica et Biophysica Acta**, 1485, 145-152.
- Fiechter, A. (1992). Biosurfactants: moving towards industrial application. **TIBTECH**, 10, 208-217.

- Finnerty, W.R., (1994) Biosurfactants in environmental biotechnology. **Current Opinion in Biotechnology** 5, 291-295.
- Hass, M.J., McAloom, A.J., Yee, W.C., and Foglia, T.A. (2006). A process model to estimate biodiesel production costs. **Bioresource Technology**, 97, 671-678.
- Hommel, R.K., and Ratledge, C. (1993). Biosynthesis mechanisms of low molecular weight surfactants and their precursor molecules, *In* Kosaric, N., **Biosurfactants: production, properties, applications**, Macel Dekker, New York, 3-63.
- Hudak, A., and Cassidy, D.P. (2004). Stimulating in soil rhamnolipid production in a bioslurry reactor by limiting nitrogen. **Biotechnology and Bioengineering**, 88, 861-868.
- Kim, H.-S., Jeon, J.-W., Kim, B.-H., Ahn, C.-Y., Oh, H.-M., and Yoon, B.-D. (2006). Extracellular production of a glycolipid biosurfactant, mannosylerythritol lipid, by *Candida* sp. SY16 using fed-batch fermentation. **Applied Microbiology Biotechnology**, 10, 391-396.
- Lang, S. (2002). Biological amphiphiles (microbial biosurfactants). **Current Opinion in Colloid & Interface Science**, 7, 12-20.
- Mukherjee, S., Das, P., and Sen, R. (2006). Towards commercial production of microbial surfactants. **Trends in Biotechnology**, 24, 509-515.
- Mulligan, C.N. (2005). Environmental applications for biosurfactants. **Environmental Pollution**, 133, 183-198.
- Nitschke, M., Costa, S.G.V.A.O., Haddad, R., Gonçalves, L.A.G., Eberlin, M.N., and Contiero, J. (2005). Oil wastes as unconventional substrates for rhamnolipid biosurfactant production by *Pseudomonas aeruginosa* LBI. **Biotechnology Progress**, 21, 1562-1566.
- Nitschke, M., and Costa, S.G.V.A.O. (2007). Biosurfactants in food industry. **Trends in Food Science & Technology**, 18, 252-259.
- Pornsunthorntawe, O., P.Wongpanit, S. Chavadej, M. Abe, R. Rujiravanit, (2008) Structural and physicochemical characterization of crude biosurfactant produced by *Pseudomonas aeruginosa* SP4 isolated from petroleum-contaminated soil. **Bioresource Technology** 99, 1589-1595.
- Pornsunthorntawe, O., Chavadej, S., and Rujiravanit, R. (2009). Solution properties and vesicle formation of rhamnolipid biosurfactants produced by *Pseudomonas aeruginosa* SP4. **Colloids and Surfaces B: Biointerfaces**, 72, 6-15.
- Rahman, K.S.M., Rahman, T.J., McClean, S., Marchant, R., and Banat, I.M. (2002). Rhamnolipid



biosurfactant production by strains of *Pseudomonas aeruginosa* using low-cost raw materials.

**Biotechnology Progress**, 18(6):1277-1281.

Rodrigues, L., Banat, I.M., Tiexeira, J., and Oliveira, R. (2006). Biosurfactants: potential applications in medicine. **Journal of Antimicrobial Chemotherapy**, 57, 609-618.

Santa Anna, L.M., Sebastian, G.V., Menezes, E.P., Alves, T.L.M., Santos, A.S., Pereira Jr, N., and Freire, D.M.G. (2002). Production of biosurfactants from *Pseudomonas aeruginosa* PA1 isolated in oil environments. **Brazilian Journal of Chemical Engineering**, 19, 159-166.

Singh, P., and Cameotra, S.S. (2004). Potential applications of microbial surfactants in biomedical sciences. **Trends in Biotechnology**, 22(3), 143-146.

Yazdani, S.S., and Gonzalez, R. 2007. Anaerobic fermentation of glycerol: a path to economic viability for the biofuels industry. **Current Opinion in Biotechnology**, 18, 213-219.

