REFERENCES

Ali, S.I., Steach, J.C. and Zollars, R.L. (1987) Effects of ionizable groups on the adsorption of surfactants onto latex particle surfaces. Colloids and Surface, 26, 1-18.

Atkin, R., Craig, V.S.J., Wanless, E.J. and Briggs, S. (2003) Mechanism of cationic surfactant adsorption at the solid-aqueous interface. Advances in Collid and Interface Science, 103, 219-304.

Clint, J.H. (1992) Surfactant Aggregation. New York: Chapman and Hall.

Dao, K., Bee, A., and Treiner, C. (1998) Adsorption isotherm of sodium octylbenzenesulfonate on iron oxide particles in aqueous solutions. Journal of Colloid and Interface Science, 204(1), 61-65.

Dixit, S.G. and Vanjara, A.K. (1999) Adsorption of quaternary ammonium compounds at polymer surface. In Esumi, K. (Eds.), Polymer Interfaces and Emulsions. New York: Marcel Dekker.

Douglas, W.F. and Renhe J. (2004) The adsorption of alkylpyridinium chlorides and their effect on the interfacial bahavior of quartz. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 250, 223-231.

Dutschk, V., Sabbatovskiy, K.G., Stolz, M., Grundke, K. and Rudoy, V.M. (2003) Unusual wetting dynamics of aqueous surfactant solutions on polymer surfaces. Journal of Colloid and Interface Science, 267, 456-462.

Eriksson, J., Tiberg, F. and Zhumud, B. (2001) Wetting effects due to surfactant carryover through the three-phase contact line. Langmuir, 17, 7279.

Garbassi, F., Morra, M. and Occhiello, E. (1994) Polymer Surfaces. New York: John Wiley & Sons.

Gau, C.S. and Zografi, G. (1990) Relationship between adsorption and wetting of surfactant solutions. Journal of Colloid and Interface Science, 140(1), 1-9.

Goddard, E.D. and Ananthapadmanabhan, K.P. (1993) Interactions of surfactants with polymers and proteins. London: CPC Publisher.

Grant, L.M. and Ducker, W.A. (1997) Effect of substrate hydrophobicity on surface-aggreagaet geometry: zwitterionic and nonionic surfactants. The Journal of Physical Chemistry B, 101, 5337-5345.

Grant. L.M., Tiberg, F. and Ducker, W.A. (1998) Nano-meter scale organization of ethylene oxide surfactants on graphite, hydrophilic silica, and hydrophobic silica. The Journal of Physical Chemistry B, 102, 4288-4294.

Grosse, I. Estel, K. (2000) Thin surfactant layers at the solid interface. Colloid Polymer Science, 278, 1000-1006.

Gurses, A., Yalcin, M., Sozbilir, M. and Dogar, C. (2003) The investigation of adsorption thermodynamics and mechanism of cationic surfactant, CTAB, onto powdered active carbon. Fuel Processing Technology, 81, 57-66.

Hoeft, C.E. and Zollars, R.L. (1996) Adsorption of single anionic surfactants on hydrophobic surfaces. Journal of Colloid and Interface Science, 177(1), 171-178.

Ingram, B.T. and Ottewill, R.H. (1990) Adsorption of cationic suractants at interfaces. In Rubingh, D.N., and Holland, P.M. (Eds.), Surfactant Science Series Vol 37: Cationic Surfactants: Physical Chemistry. New York: Marcel Dekker.

Janczuk, B., Zdziennicka, A. and Wojcik, W. (1997) Relationship between wetting of teflon by cetyltrimethylammonium bromide solution and adsorption. European Polymer Journal, 7, 1093-1098.

Kiraly, Z. and Findenegg, G. H. (1998) Calorimetric evidence of the formation of half-cylindrical aggregates of a cationic surfactant at the graphite/water interface. Journal of Physical Chemistry B, 102, 1203-1211.

Krishnakumar, S. and Somasundaran, P. (1996) Adsorption of Aerosol-OT on graphite from aqueous and non-aqueous media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 117, 227-233.

Mishra, S.K., Kanungo, S.B. and Rajeev. (2003) Adsorption of sodium dodecyl benzenesulfonate onto coal. Journal of Colloid and Interface Science, 267, 42-48.

Myers, D. (1992) Surfactant Science and Technology. 2nd ed. New York: VCH publishers.

Pyter, R.A., Zografi, G. and Mukerjee, P. (1982) Wetting of solids by surface-active agents: The effects of unequal adsorption to vapor-liquid and solid-liquid interfaces. Journal of Colloid and Interface Science, 89(1), 144-153.

Romero-caro, M.S., Martin-Rodrigues, A., Chauveteau, G. and de las Nieves, F.J. (1998) Colloidal stabilization of polystyrene particles by adsorption of nonionic surfactants. Journal of Colloid and Interface Science, 198, 266-272.

Rosen, M.J. (1988) Surfactants and Interfacial Phenomena. 2nd ed. New York: John Wiley & Sons.

Suparasate, P. (2004) Surfactant Adsorption on Plastic Surfaces and Its Relation to Wetting Phenomena, M.S. Thesis, Chulalongkorn University.

Tiberg, F., Brinck, J. and Grant, L. (2000) Adsorption and surface-induced self-assembly of surfactants at the solid aqueous interface. Current Opinion in Colloid and Interface Science, 4, 411-419.

Vijayendran, B.R. (1979) Polymer polarity and surfactant adsorption. Journal of Applied Polymer Science, 23, 733-742.

Zettlemoyer, A.C. (1968) Hydrophobic surfaces. Journal of Colloid and Interface Science, 28(3/4), 343-369.

Zisman, W.A. (1964) Relation of the equilibrium contact angle to liquid and solid constitution. Advances in chemistry series Vol 43. Washington, D.C.: American Chemical Society.

Zollars, R.L. (2001) Ionic adsorbates on hydrophobic surfaces. In Schwarz, J.A.,and Contescu, C. (Eds.), Surfactant Science Series Vol 78. New York: Marcel Dekker.

CURRICULUM VITAE

Name: Ms. Natsuda Meerit

Date of Birth: July 28, 1981

Nationality: Thai

University Education:

1999-2003 Bachelor Degree of Engineering in Chemical Technology, Faculty of Science, Chulalongkorn University, Bangkok, Thailand.