

## เอกสารอ้างอิง

- ศิริภรณ์ โตเต็ม "การใช้พลาสติกเป็นตัวกลางยึดเกาะในระบบบำบัดน้ำเสีย แบบ ตะกอนเร่ง" วิทยานิพนธ์วิทยาศาสตรมหาบัณฑิต มหาวิทยาลัยมหิดล 2536.
- APHA, AWWA and WPCF. *Standard Methods for the Examination of Water and Wastewater*. 16th edn, American Public Health Association Inc., New York., 1985.
- Bitton, G. *Wastewater Microbiology*. Department of Environmental Engineering Sciences . University of Florida, Wiley-Liss, Inc.,1994.
- Broch-Due, A., Andersen, R. and Kristoffersen, O. : Pilot Plant Experience with an Aerobic Moving Bed Biofilm Reactor for Treatment of NSSC Wastewater. *Wat. Sci. Tech.* 29: 283, 1994.
- Bryers, J.D., and Characklis, W.G. : Process Governing Primary Biofilm Formulation. *Biotech. Bioeng.* 24: 2451, 1982.
- Cheung, P.S. : Biological Denitrification in the Rotating Disc System. *Wat. Pol. Cont.* 79: 395, 1979.
- Clark, J.W., Viessman, W. and Hammer, M.J. *Water Supply and Pollution Control*. New York : Harper and Row, Inc.,1977.
- Downing, A.L. and Scragg, L.J. : The Effect of Synthetic Detergents on the Rate of Aeration in Diffused Air Activated Sludge Plant. *Wat.Was. Treat. J.* 7: 102, 1958.
- Golla, P.S. and Overcamp, T.J. : Sample Solution for Steady State Biofilm Reactor. *J. of Env. Eng.* 116: 829, 1990.
- Gonenc, J.E. and Harremoes, P. : Nitrification in Rotating Disc System-II. Criteria for Simultaneous Mineralization and Nitrification. *Wat. Res.*24: 499, 1990.
- Hagedorn-Olsen, C., Moller, I.H., Tottrup, H. and Harremoes, P. : Oxygen Reduces Denitrification in Biofilm Reactors. *Wat. Sci. Tech.* 29: 83, 1994.
- Harremoes, P. *Contribution to Water Pollution Microbiology*. Department of Sanitary Engineering. Technical University of Denmark, Lyngby.,1976.

- Hem, L.J., Rusten, B. and Odegaard, H. : Nitrification in a Moving Bed Biofilm Reactor. *Wat. Res.* 28: 1425, 1994.
- Hoehn, R.C. and Ray, A.D. : Effect of Thickness on Bacterial Film. *JWPCF.* 45: 2302, 1973.
- JWWA. *Standard Method for Water Examination.* Tokyo, Japan., 1980.
- Knowles, G., Downing, A.L. and Barret, M.J. : Determination of Kinetic Constant for Nitrifying Bacteria in Mix Culture with the Aid of Computer. *J. Gen. Micro.* 38: 263, 1965.
- Koopman, B., Stevens, C.M. and Wonderlick, C.A. : Denitrification in Moving Bed Upflow Sand Filter. *JWPCF.* 26: 239, 1990.
- Kornegay, B.H. and Andrews, J.E. : Kinetics of Fixed Film Biological Reactor. *JWPCF.* 40: 460, 1970.
- Lee, C.Y. : Model for Biological Reactors Having Suspended and Attached Growths. *J. of Env. Eng.* 118: 982, 1992.
- Liu, Y. and Capdeville, B. : Dynamics of Nitrifying Biofilm Growth in Biological Nitrogen Removal Process. *Wat. Sci. Tech.* 29: 377, 1994.
- Metcalf and Eddy. *Wastewater Engineering Treatment, Disposal, Reuse.* New York : McGraw-Hill., 1991.
- Miorin, A.E. *Wastewater Treatment Plant Design.* New York : Lancaster Press., 1977.
- Odegaard, H., Rusten, B. and Westrum, T. : A New Moving Bed Biofilm Reactor, Applications and Results. *Wat. Sci. Tech.* 29: 157, 1994.
- Okey, R. and Albertson, O.E. : Diffusion's Role in Regulating Rate and Masking Temperature Effects in Fixed Film Nitrification. *JWPCF.* 61: 500, 1989.
- Pano, A. and Middlebrooks, E.J. : Kinetics of Carbon and Ammonia Nitrogen Removal in RBCs. *JWPCF.* 55: 956, 1983.
- Ramalho, R.S. *Introduction to Wastewater Treatment Process.* New York : Academic Press., 1977.

- Randal, C.W., Barnard, J.L. and Stensel, H.D. *Design and Retrofit of Wastewater Treatment Plants for Biological Nutrient Removal*. Water Quality Management Library. vol. 5. Technic Publishing Company, Inc. USA., 1992.
- Rittman, B.E. and McCarty, P.L. : Mode of Steady State Biofilm Kinetics. *Biotech. Bioeng.* 11: 2343, 1980.
- Rusten, B. "Nitrogen Removal from Wastewater-Nitrification and Denitrification in a Rotating Biological Contactor Without External Carbon Source." D. Eng. Thesis, Dep. of Hydr & Env. Eng., The Norwegian Institute of Technology, Univ. of Trondheim, 1982.
- Rusten, B., Hem, L.J. and Odegaard, H. : Nitrification of Municipal Wastewater in Moving Bed Biofilm Reactor. *Wat. Env. Res.* 67: 75, 1995.
- Rusten, B., Hem, L. J. and Odegaard, H. : Nitrogen Removal from Dilute Wastewater in Cold Climate Using Moving Bed Biofilm Reactor. *Wat. Env. Res.* 67: 65, 1995.
- Rusten, B., Siljudalen, J.G. and Nordeidet, B. : Upgrading to Nitrogen Removal with the KMT Moving Bed Biofilm Process. *Wat. Sci. Tech.* 29: 185, 1994.
- Sharma, B. and Ahlert, C. : Nitrification and Nitrogen Removal. *Wat. Res.* 11: 897, 1977.
- Shin, H.S. and Park, H.S. : Enhanced Nutrient Removal in Porous Biomass Carrier Sequencing Batch Reactor. *Wat. Sci. Tech.* 23: 719, 1991.
- Srinath, E.G. : Nitrifying Organism Concentration and Activity. *J. of Env. Eng.* 102: 449, 1976.
- Tomlinson, T.G. and Shaddon, D.H.M. : Biological Oxidation of Sewage by Films of Micro-organisms. *J. Air. Wat. Pol.* 10: 865, 1966.
- Trulear, M.G. and Characklis, W.G. : Dynamics of Biofilm Process. *JWPCF.* 54: 1288, 1982.
- Weng, C.N. and Molof, A.H. : Nitrification in the Biological Fixed Film Rotating Disk System. *JWPCF.* 46: 1674, 1974.

- Werzernak, C.T. and Gannon, J. J. : Oxygen - Nitrogen Relationship in Autotrophic Nitrification. *Appl. Micro.* 15: 211, 1967.
- Williamson, K. and McCarty, P.L. : A Model of Substrate Utilization by Bacterial Films. *JWPCF.* 48: 9, 1976 .
- Williamson, K. and McCarty, P.L. : Verification Studies of the Biofilm Model for Bacterial Substrate Utilization. *JWPCF.* 48: 281, 1976.
- Wong-Chong, G.M. and Loehr, R.C. : The Kinetics of Microbial Nitrification. *Wat. Res.* 9: 1099, 1975.