

บรรณานุกรม

- พิพัฒน์ ชื่นชมชาติ. (2529). การนำเครื่องกรองไร้ออกซิเจนที่มีตัวกลางเต็มถังและครึ่งถังมาประยุกต์ใช้กับน้ำเสียที่มีความเข้มข้นต่ำ. วิทยานิพนธ์ปริญญาวิศวกรรมศาสตรมหาบัณฑิต ภาควิชาวิศวกรรมสุขาภิบาล บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย.
- ธาดา ฉัตรธานี (2530). การบำบัดน้ำเสียจากโรงงานแปรงมันสำปะหลังโดยกระบวนการไร้ออกซิเจนอิสระแบบ 2 ขั้นตอน. วิทยานิพนธ์ปริญญาวิศวกรรมศาสตรมหาบัณฑิต ภาควิชาวิศวกรรมสิ่งแวดล้อม บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย.
- เนตรนภา ศรุตราชพงศ์. (2539). การใช้ยูเอสบีแบบมีถังสร้างกรดในการบำบัดน้ำเสียสังเคราะห์ที่มีแปรงมันสำปะหลัง. วิทยานิพนธ์ปริญญาวิศวกรรมศาสตรมหาบัณฑิต ภาควิชาวิศวกรรมสิ่งแวดล้อม บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย.
- เบญจพร สุรารักษ์. (2541). ประสิทธิภาพการทำงานของถังปฏิกรณ์บำบัดน้ำเสียแบบไม่ใช้อากาศชนิดลูกผสม. วิทยานิพนธ์ปริญญาวิทยาศาสตรมหาบัณฑิต ภาควิชาเทคโนโลยีชีวภาพ คณะทรัพยากรชีวภาพและเทคโนโลยี มหาวิทยาลัยเทคโนโลยีพระจอมเกล้าธนบุรี.
- APHA, AWWA and WPCF. (1992). *Standard Method for the Examination of Water and Wastewater*. Washington D. C. : American Public Health Association Inc.
- Agrawal, K. L. (1991). "High Rate Treatment of Low Strength (Domestic) Wastewater by Modified Upflow Anaerobic Sludge Blanket (UASB) Reactor", Master's Thesis, AIT.
- Barbosa, R. A. and Santanna, Jr. G. L. (1989). "Treatment of Raw Domestic Sewage in an UASB Reactor, *Wat. Res.*, Vol. 23, No. 12, 1483-1490.
- Berardino S. D. and Santana, F. (1997). "Domestic Sewage Treatment By Anaerobic Hybrid Filter", *Proc. 8th Inter. Conf. on Anaerobic Digestion, Sendai Univ.*, Vol. 3, 117-120.
- Borja, R., Banks, C. J. and Wang, Z. (1995). "Performance of a Hybrid Anaerobic Reactor, Combining a Sludge Blanket and a Filter, Treating Slaughterhouse Wastewater", *Appl. Microbiol. Biotechnol.*, Vol. 43, 351-357.
- Britz, T. J. and van der Merwe, M. (1993). "Anaerobic Treatment of Baker's Yeast Effluent Using a Hybrid Digester with Polyurethane as Support Material", *Biotech. Lett.*, Vol. 15, No. 7, 755-760.

- Bryant, M. P. (1979). "Microbial Methane Production -Theoretical Aspects", *J. Animal sci.*, Vol. 48, 193-201.
- Chang, J. E. (1989). "Treatment of Land Fill Leachate with an Upflow Anaerobic Reactor Combining a Sludge Bed and a Filter", *Wat. Sci. Tech.*, Vol. 22, 133-143.
- Chung, Y. C. and Choi, Y. S. (1993). "Microbial Activity and Performance of Anaerobic Reactor Combining a Filter and a Sludge Bed", *Wat. Sci. Tech.*, Vol. 27, No. 1, 187-194.
- Dilallo, R. and Albertson, O. E. (1960). "Volatile Acids by Direct Titration", *Paper Presented at New England Sewage and Industrial Wastes Associations Meeting*, Springfield, Mass.
- Endo, G. and Yohya, Y. (1988). "Ecological Study on Anaerobic Sludge Bulking Caused by Filamentous Bacterial Growth in an Anaerobic Contact Process", *Wat. Sci. Tech.*, Vol. 20, No. 11/12, 205-211
- Fang, H. H. P., Chui, K. and Li, Y. Y. (1994). "Microbial Structure and Activity of UASB Granules Treating Different Wastewater", *Wat. Sci. Tech.*, Vol. 30, No. 12, 87-96.
- Fang, H. H. P. and Kwong, T. S. (1995). "Anaerobic Digestion of Strach Particulate in an Upflow Sludge Blanket Filter Reactor", *Env. Tech.*, Vol. 16, 13-23.
- Fang, H. H. P. and Kwong, T. S. (1996). "Anaerobic Degradation of Cornstarch in Wastewater in Two Upflow Reactors", *J. Env. Engrg.*, Vol. 122, No. 1, 9-17.
- Fernandes, X. A. (1985). "Anaerobic Biological Treatment of Sewage", *J. Water Pollut. Control Fed.*, Vol. 84, No. 1, 99-110.
- Grady, C. P. L. and Lim, H. C. (1980). *Biological Wastewater Treatment.*, Newyork : Marcel Dekker, Inc.
- Gorur, S. S., Guiot, S. R., Kennedy, K. J. and Droste, R. (1986). "Anaerobic Upflow Sludge Bed Filter Reactor Treating Dilute Carbohydrate Wastewater", *Proc. 18th Mid - Atlantic Ind. Waste Conf.*, June 30-July 2.
- Guiot, S. R. and van den Berg, L. (1984). "Performance and Biomass Retention of an Upflow Anaerobic Reactor Combining a Sludge Blanket and a Filter", *Biotech. Lett.*, Vol. 6, 161-164
- Guiot, S. R. Pauss, A. and Costerton, J. W. (1992). "A Structure Model of the Anaerobic Granule Consortium", *Wat. Sci. Tech.*, Vol. 24, No. 7, 1-10.

- Guiot, S. R. and van den Berg, L. (1985). "Performance of an Upflow Anaerobic Reactor Combining a Sludge Blanket and a Filter Treating Sugar Waste", *Biotech. and Bioeng.*, Vol. 27, 880-806.
- Hobson, P. N. and Shaw, B.G. (1976). "Inhibition of Methane Production by Methanobacterium Formicum", *Water Res.*, Vol. 10, 849-852.
- Hawke, F. R., Donnelly, T. and Anderson, G. K. (1995). "Comperative Performance of Anaerobic Digesters Operating on Ice-Cream Wastewater", *Wat. Res.*, Vol. 29, No. 2, 522-533.
- Kennedy, K. J., Gorur, S. S., Elliott, C. A. and Andras, E. (1989). "Media Effect on Performance of Anaerobic Hybrid Reactors", *Wat. Res.*, Vol. 23, No. 11, 1397-1405.
- Kemmadamrong, P. (1992). "Anaerobic Baffle Reactor (ABR) Process for Treating a Slaughterhouse Wastewater", Ph.D. Thesis, AIT.
- Koster, L. W. and Lettinga, G. (1985). "Application of the Upflow Anaerobic Sludge Bed (UASB) Process for Treatment of Complex Wastewater at Low Temperature", *Biotechnol. Bioengrg.*, Vol. 27, 1411-1417.
- Lawrence, A. W., McCarty, P. L. and Guerin, F. J. A. (1964). "Effect of Sulfides on Anaerobic Treatment", *Proc. 19th Ind. Waste Conf., Purdue Univ.*, 343-357.
- Lettinga, G., Roersma, R. and Grin, P. (1983). "Anaerobic Treatment of Raw Domestic Sewage at Ambient Temperature Using a Granular Bed UASB Reactor", *Biotechnol. Bioengrg.*, Vol. 25, No. 7, 1701-1723.
- Lettinga, G. and Hulshoff Pol, L. W. (1991). "UASB Process Design for Various Type of Wastewater", *Wat. Sci. Tech.* Vol., 24, No. 8, 84-107.
- Lettinga, G., Van Velsen, A. F. M., Hobma, S. W., de Zeeuw, W. and Klapwijk, A. (1980). "Use of the Upflow Sludge Blanket (USB) Reactor Concept for Biological Wastewater Treatment, Especially for Anaerobic Treatment", *Biotechnol. Bioengrg.*, Vol. 22, 699-734
- Lettinga, G., Elmitwalli, T. A., Zandvoort, M. H., Zeeman, G. and Bruning, H. (1999). "Low Temperature Treatment of Domestic Sewage in Upflow Anaerobic Sludge Blanket and Anaerobic Hybrid Reactors", *Wat. Sci. Tech.*, Vol. 39, No. 5, 177-185.
- Li, A. and Sutton, P. M. (1983). "Determination of Alkalinity Requirements for the Anaerobic Treatment Process". *Proc. 38th Ind. Waste Conf., Purdue Univ.*, 603-614.

- Lwin, N. N. (1996). "The Effect of Suspended Solids of Tapioca Starch Wastewater on the Performance of UASB Reactor", Master's Thesis., AIT.
- Macleod, F. A., Guiot, S. R. and Costerton, J. W. (1990). "Layer Structure of Bacteria Aggregates Produced in an Upflow Anaerobic Sludge and Filter Reactor", *Appl. Env. Microbiol.*, Vol. 56, 1598-1607.
- McCarty, P. L. (1964a). *The Methane Fermentation : Principles and Applications of Aquatic Microbiology* edited by H. Heukelkian and N.C. Dandero, John Willey and Sons Inc., Newyork.
- McCarty, P. L. (1964b). "Anaerobic Waste Treatment Fundamental, Part I, Chemistry and Microbiology", *J. Public Works*, Vol. 95, 107-112
- McCarty, P. L. (1964c). "Anaerobic Waste Treatment Fundamental, Part II, Environmental Requirements and Control", *J. Public Works*, Vol. 95, 123.
- Miyahara, T., Takano, M. and Noike, T. (1995). "Role of Filter Media in an Anaerobic Fixed-Bed Reactor", *Wat. Sci. Tech.*, Vol. 31, No. 9, 137-144.
- Samson, S. and Guiot, S. (1985). "Mixing Characteristics and Performance of the Anaerobic Upflow Blanket Filter (UBF) Reactor", *J. Chem. Tech. Biotechnol.*, Vol. 35B, 65-74.
- Santos, P. P. and Berardino, S. D. (1997). "Performance of an Aerobic Hybrid Filter Treating milk Processing Wastewater", *Proc. 8th Inter. Conf. on Anaerobic Digestion, Sendai Univ.*, Vol. 3, 121-124.
- Sawyer, C. N., McCarty, P. L. and Parkin, G. F. (1994). *Chemistry for Environmental Engineering*, New York : McGraw-Hill, Inc.
- Simpson, D. E. (1971). "Investigations on Pilot Plant Contact Digester for the Treatment of a Dilute Urban Waste", *Wat. Res.*, Vol. 5, No. 8, 523-532.
- Tchobanoglous, G. and Burton, F. L. (1991). *Wastewater Engineering : Treatment, Disposal and Reuse*, New York : Metcalf & Eddy, Inc.
- Tilche, A., Bortone, G., Forner, G., Indulti, M., Stante, L. and Tesini, O. (1994). "Combination of Anaerobic Digestion and Denitrification in a Hybrid Upflow Anaerobic Filter Integrated in a Nutrient Removal Treatment Plant", *Wat. Sci. Tech.*, Vol. 30, 405-414
- Tur, M. Y. and Huang, J. C. (1997). "Treatment of Phthalic Waste by Anaerobic Hybrid Reactor", *J. Env. Engrg.*, Vol. 123, No. 11, 1093-1099.

- van Haandel, A. C. and Lettinga, G. (1994). *Anaerobic Sewage Treatment : a Practical Guide for Regions with a Hot Climate.*, Chichester, New York : John Wiley & Sons, Inc.
- Wu, F. Wilson, F. and Tay, J. H. (2000). "Influence of Media-Packing Ratio on Performance of Anaerobic Hybrid Reactors", *Bioresource Tech.*, Vol. 71, 151-157.
- Young, J. C. and Yang, B. S. (1989). "Design Considerations for Full-Scale Anaerobic Filters", *J. Water Pollut. Control Fed.*, Vol. 61., 1576-1587.
- Zickefoose, C. and Hayes, R. B. J. (1976). "Operations Manual-Anaerobic Sludge Digestion", Publication # EPA 430/9-76-001, Office of Water Program Operations, U. S. Env. Protection Agency, Washington, D. C., Feb.