

LIST OF REFERENCES

- Akila, G., Chandra, T.S., (2006) Performance of an UASB reactor treating synthetic wastewater at low-temperature using cold-adapted seed slurry, *Process Biochemistry*, In Press
- Amathya, P.L., (1996) Anaerobic treatment of tapioca starch industry wastewater by bench scale Upflow Anaerobic Sludge Blanket (UASB) reactor, Thesis (M.Eng), Asian Institute of Technology.
- Bhunja, P., Ghangrekar, M.M., (2006) Required minimum granule size in UASB reactor and characteristics variation with size, *Bioresource Technology*, 98(2007), 994-999.
- Breure, A.M., Phase separation in anaerobic digestion, National Institution of Public Health and Environmental Protection.
- Brummeler, E.T., Hulsoff Pol, L.W., Dolging J., Lettinga, G., Zehnder, A.J.B., (1985) Methanogenesis in an Upflow Anaerobic Sludge Blanket Reactor at pH 6 on an Acetate-Propionate Mixture, *Applied and Environmental Microbiology*, 49 (6), p. 1472-1477
- Field, J. and Sierra R., (2005) Retrieved February 12, 2006, from <http://www.uasb.org/index.htm>
- Gao, M., She, Z., Jin, C., (2006) Performance evaluation of a mesophilic (37 °C) upflow anaerobic sludge blanket reactor in treating distiller's grains wastewater, *Journal of Hazardous Materials*, In Press
- Gohil, A., Nakhla, G., (2005) Treatment of tomato processing wastewater by an upflow anaerobi sludge blanket- anoxic- aerobic system, *Bioresource Technology*, In Press.
- Hickey, R.F., Wu, W.M., Veiga, M.C., Jones, R., (1991) Start-up, monitoring and control of high-rate anaerobic treatment systems, *Wat. Sci. Tech.*, 24 (8), 207-255
- Hulsoff Pol, L.W., Lopes, S.I. de C., Lettinga, G., Lens, P.N.L., (2003) Anaerobic Sludge Granulation, *Water Research*, 38 (2004), 1376-1389
- Jeong, S.J., Kim, Y.H., Yeom, S.H., Song, K.S., Lee, S.I., 2003 Facilitated UASB Granule Formation using oraganic-inorganic hybrid polymers, *Process Biochemistry*, 40 (2005) 89-94

- Journey, W.K.T. and McNiven, S., (1996) Anaerobic Enhanced Treatment of Wastewater and Options for Further Treatment, ACIDI/VOCA, Washington.
- Kalyuzhnyi, S.V., Martinez, E.P., Martinez, J.R.,(1996) Anaerobic treatment of high strength Cheese whey wastewaters in laboratory and pilot UASB reactors, *Bioresource Technology*,60 (1997), 59-65
- Kalyuzhnyi, S.V., Saucedo, J.V., Martinez, J.R. (1996) The anaerobic treatment of soft drink wastewater in UASB and hybrid reactors, *Applied Biochemistry and Biotechnology*, 66 (1997), 291-301
- Kansal,A., Rajeshwari, K.V., Balakrishnan, M., Kusum lata, Kishore, V.V.N., Anaerobic digestion technologies for energy recovery from industrial wastewater-astudy in Indian Context,*TERI Information Monitor on Environmental Science*, 3 (2), 67-75
- Kashyap, D.R., Dadhich, K.H., Sharma, S.K., (2002) Biomethanation under psychrophilic conditions: a review, *Bioresource Technology*, 87 (2003), 147-153
- Laubscher, A.C.J., Wentzel, M.C., Le Roux, J.M.W., Ekama, G.A., (2001) Treatment of grain distillation wastewater in an upflow anaerobic sludge bed (UASB) System, *Water SA*, 27(4), p.433-444
- Lettinga, G., and Hulsoff Pol, L.W., (1991) UASB- Process design for various types of wastewaters, *Wat. Sci. Tech.*, 24 (8) , 87-107
- Ligero, P., Soto, M., (2002) Sludge granulation during anaerobic treatment of pre-hydrolysed domestic wastewater, *Water SA*, 28 (3), 307-312
- Mara, D. and Horan, N., Handbook of Water and Wastewater Microbiology- (2003), Academic Press
- Metcalf and Eddy, Wastewater Engineering Treatment and Reuse- 4th Edition, (2002), Tata McGraw Hill Publishers
- Nadais, H., Capela, I., Arroja, L. Duarte, A., (2005) Treatment of dairy wastewater in UASB reactors inoculated with flocculent biomass, *Water SA* , 31 (4), p.603-607
- Parawira, W., Kudita, I., Nyandoroh, M.G., Zvauya, R., (2004) A study of industrial anaerobic treatment of opaque beer brewery wastewater in a tropical climate using a full-scale UASB reactor seeded with activated sludge, *Process Biochemistry*, 40 (2005), 593-599

Rajeshwari, K.V., Balakrishnan, M., Kansal, A., Kusum Lata, Kishore, V.V.N., (1999) State-of-the-art of anaerobic digestion technology for industrial wastewater treatment, *Renewable and Sustainable Energy Reviews*, 4 (2000), 135-156

Rao, A.G., Kusum Lata, Raman, P., Kishore, V.V.N., Ramachandran, K.B., (1997) Studies of anaerobic treatment of synthetic waste in a UASB reactor, *Indian J. Environmental Protection*, 17 (5), 349-354

Sanchez, E., Borja, R., Travieso, L., Martin, A., Colmenjaro, M.F., 2004 Effect of organic loading rate on the stability, operational parameters and performance of a secondary upflow anaerobic sludge bed reactor treating piggy waste, *Bioresource Technology*, 96 (2005), 335-344

Show, K.Y., Wang, Y., Foong, S., Tay, J., 2004, Accelerated Start-up and enhanced granulation in upflow anaerobic sludge blanket reactors, *Water Research*, 38 (2004), 2293-2304

Singh, K.S., Viraghavan, T., (1998) Start-up and Operation of UASB reactors at 20° C for municipal wastewater treatment, *Journal of Fermentation and Bioengineering*, 85 (6), 609-614

Wikipedia Foundation Inc., Retrieved on November, 2006
http://en.wikipedia.org/wiki/Anaerobic_digestion



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