

REFERENCES

- Ahring, B.K. Ibrahim, A.A. and Mladenovska, Z. (2001). Effect of Temperature Increase From 55 to 65°C on Performance and Microbial Population Dynamics of an Anaerobic Reactor Treating Cattle Manure. **Water Research**, 35(10), 2446-2452.
- Ahn J-H. and Forster C.F. (2002). The effect of temperature variations on the performance of mesophilic and thermophilic anaerobic filters treating a simulated papermill wastewater. **Process Biochemistry**, 37(6), 589–594.
- Al Seadi T. (2001). Good practice in quality management of AD residues from biogas production. In **Report made for the International Energy Agency, Task 24- Energy from Biological Conversion of Organic Waste. Published by IEA Bioenergy and AEA Technology Environment.** Oxfordshire: United Kingdom.
- Asse International. (2013). **Professional Certification**. Retrieved August 10, 2014, from <http://www.asse-plumbing.org>
- Burke, D. A. (1997). **Anaerobic treatment process for the rapid hydrolysis and conversion of organic materials to soluble and gaseous components.** USA: Environmental Energy Company.
- Burke, D. A. (1998). Nothing wasted. **Civil Engineering June**, 68(6), 62-64.
- Burke, D. A. (2000). **Anaerobic treatment process with removal of inorganic material.** USA: Western Environmental Engineering.
- Burke D.A. (2001). **Dairy waste anaerobic digestion handbook.** WA: Environmental Energy Company.
- Burke, D. A., Butler, R. and Hummel, S. (1997). An assessment of the AGF (Anoxic Gas Flotation) High Rate Anaerobic Digestion Process. In **12th Annual Residuals and Biosolids Management Conference** (pp.105-130). Bellevue, WA: Water Environment Federation.
- Chae, K.J., Jang, A., Yim, S.J. and Kim, I.S. (2008). The effects of digestion temperature and temperature shock on the biogas yields from the mesophilic anaerobic digestion of swine manure. **Bioresour Technol**, 99, 1-6.

- David A. Bainbridge. (2012). **The integral passive solar water heater book**.
LA: David A. Bainbridge.
- Dieter Deublein and Angelika Steinhauser. (2010). **Biogas from waste and Renewable Resources**. Germany: Federal Republic.
- Dugba, P., Zhang R. and Dague R.R. (1997). Dairy wastewater treatment with a temperature-phased sequencing batch reactor system. In **52nd Purdue Industrial Waste Conference Proceedings** (pp.201-230).
USA: Ann Arbor Press.
- Duke Engineering and Services, D. (2001). **Biogas feasibility study**.
City of Myrtle Point in Coos County: n.p.
- Ecotope. (1979). **Report on the design and operation of a full-scale anaerobic dairy manure digester**. Seattle, WA: US DOE.
- Ettinger, M. B., Witherow, J.L. and Coulter, J.B. (1957). Chemical and hydraulic characteristics of the anaerobic contact process for sewage treatment. M. a. Eckenfelder. In **Biological Treatment of Sewage and Industrial Wastes**. (pp. 145-153), Cincinnati, Ohio: Reinhold Publishing.
- Forster-Carneiro T., Perez M. and Romero L.I. (2008). Thermophilic anaerobic digestion of source - sorted organic fraction of municipal solid waste. **Bioresource Technology**, 99(15), 6763–6770.
- Ghosh, S. (1987). Improved sludge gasification by two-phase anaerobic digestion. **Journal of Environmental Engineering**, 113(6), 1265-1284.
- Raheman H. (2002). A mathematical model for fixed dome type biogas plant. **Energy**, 27, 25–34.
- Jewell, W. J. and Dell-Orto S. (1981). Economics of plug flow methane reactors. In **Methane Technology for Agriculture Conference**, (pp. 178-207).
N.P: n.p.
- Jewell, W. J. and Kabrick R. M. (1981). **Earthen-supported plug flow reactor for dairy applications**. New York: Northeast Regional Agricultural Engineering Service.
- Kanokwan, Dimitar, Eric and Irini. (2009). Effect of post-digestion temperature on serial CSTR biogas reactor performance. **Water research**, 43(3), 669–676.

- Kaparaju P. and Angelidaki I. (2008). Effect of temperature and active biogas process on passive separation of digested manure. **Bioresource Technology**, 99(5), 1345–1352.
- Loehr, R. C. (1974). **Agricultural waste management- problems, processes, and approaches**. New York and London: Academic press.
- Pagilla, K.R., Kim, H. and Cheunbarn, T. (2000). Aerobic thermophilic and anaerobic mesophilic treatment of swine waste. **Water Research**, 34(10), 2747-2753.
- Performance Building Consulting, Inc. (2013). **Performance Building Consulting/Byrd Energy**. Retrieved August 10, 2014, from www.wadebyrd.com
- Ratkowsky, D. A. and J. Olley. (1981). Relationship between temperature and growth rate of bacterial cultures. **Journal of Bacteriology**, 149(1), 1-5.
- Schmit, K.H. and Ellis, T.G. (2001). Comparison of temperature-phased and two-phase anaerobic co-digestion of primary sludge and municipal solid waste. **Water Environment Research**, 73(3), 314-321.
- Soteris A. Kalogirou. (2014). **Solar energy engineering: Processes and systems**. USA: Elsevier.
- Tillamook. (1999). Anaerobic digester a success at dairy farm. **BioCycle**, 40(3), 18.
- Young-Chae S., Sang-Jo K. and Jung-Hui W. (2004). Mesophilic and thermophilic temperature co-phase anaerobic digestion compared with single-stage mesophilic and thermophilic digestion of sewage sludge. **Water Research**, 38(7), 1653–1662.

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3B(3), 1-5.