

REFERENCES

- Ahring *et al.*, 1995. Volatile Fatty Acid as Indicators of Process Imbalance in Anaerobic Digestors. *Applied Microbiology and Biotechnology*43(3): 559-565.
- Angelidaki, I., *et al.*, Anaerobic processes, in Environmental Biotechnology, A.I, Editor. 2002, Institute of Environment and Resources.Technical University of Denmark (DTU). p. 1-114.
- Aslanzadeh S., Rajendran, K., and Taherzadeh M.J. 2014. A Comparative Study Between Single- and Two-stage Anaerobic Digestion Process: Effect of Organic Loading Rate and Hydraulic Retention Time. *International Journal of Biodeterioration and Biodegradation*95: 181-188.
- Baker, W.R. 2000.*Membrane Technology and Applications*.Hoboken, NJ, USA: John Wiley & Sons. Inc.
- Berg, J.M. 2016. Just The Facts101 Textbook Key Fact: Biochemistry,7th Edition. Content Technologies, Inc & Cram101 Textbook Reviews.
- Bond T. and Templeton MR. 2011.History and Future Domestic Biogas Plants in the Developing World.*Energy Sustain Develop* 15: 347-354.
- Deublein, D. and Steinhauser, A. 2008.*Biogas from Waste and Renewable Resources*.An Introduction.Weinheim: Wiley-VCH.
- Deutsche Gesellschaft für Sonnenenergie. 2005.*Planning and Installing Bioenergy Systems: A Guide for Installers, Architects, and Engineers*. UK: James & James (Science Publishers) Ltd.
- El-Mashad HM, McGarvey JA, Zhang R. 2008. Performance and microorganism analysis of anaerobic digesters treating food waste and dairy manure.*Biological Engineering Transactions*1(3):233–242.
- Gustavsson, J., Cederberg, C., Sonesson, U. 2011. Global Food Losses and Food Waste, Extent, causes and prevention. Rome.
- Hansen TL, Schmidt JE, Angelidaki I, Marca E, Jansen JI, Mosbaek H, Christensen TH. 2004. “Method for determination of methane potentials of solid organic waste”, *Waste Manag* 24(4):393-400.
- Kiran, E.U., Antoine P. Trzcinski a, WunJern, W., Liu, Y. 2014. Bioconversion of Food Waste to Energy: A Review. *Fuel*. 134: 389–399.

- Lee YW, Chung J. 2010. Bioproduction of Hydrogen from Food Waste by Pilot Scale Combined Hydrogen/Methane Fermentation. *International Journal Hydrogen Energy* 35(21):11746–11755.
- Massanet-Nicolau J., Dinsdale, R., Guwy, A., and Shipley, G. 2013. Use of Real-Time Gas Production Data for More Accurate Comparison of Continuous Single-Stage and Two-Stage Fermentation. *Bioresource Technology* 129: 561–567.
- Osuna, M.B., Zandvoort, M.H.J., Iza, M., Lettinga, G. and Lens, P.N.L. 2003. Effects of Trace Element Addition on Volatile Fatty Acid Conversions in Anaerobic Granular Sludge Reactors. *Journal of Environmental Technology* 24(5): 573-587.
- Parawira, W., Murto, M., Read, J.S., and Mattiasson, B. 2005. Profile of Hydrolases and Biogas Production During Two-Stage Mesophilic Anaerobic Digestion of Solid Potato Waste. *Journal of Process Biochemistry* 40: 2945-2952.
- Parfitt, J., Barthel, M. and Macnaughton, S. 2010. Food waste within food supply chains: quantification and potential for change to 2050, *Phil. Trans. R. Soc.* 365: 3065-3081.
- Park, Y. Hong, F., Cheon, J., Hidaka, T., Tsuno, H. 2008. Comparison of Thermophilic Anaerobic Digestion Characteristics between Single-phase and Two-phase Systems for Kitchen Garbage Treatment. *Journal of Bioscience and Bioengineering*. 105(1):48–54.
- Rivkina, E. Shcherbakova, V., Laurinavichius, K., Petrovskaya, L., Krivushin, K., Kraev, G., Pecheritsina, S., and Gilichinsky, D. 2007. Biogeochemistry of methane and methanogenic archaea in Permafrost. *FEMS Microbiol Ecol* 61 : 1-15.
- Sagagi, B., S., Garba, B., and Usman, N.S. 2009. Studies on Biogas Production from Fruit Waste and Vegetable Waste. *Bayero Journal of Pure and Applied Sciences* 2(1): 115-118.
- Shokri S. 2011. Biogas Technology, Applications, Perspectives and Implications. *International Journal of Agricultural Science and Research* 2:53-60.
- Sitorus, B., Sukandar, Pandjaitan, S.D. 2013. Biogas Recovery from Anaerobic Digestion Process of Mixed Fruit-Vegetable Wastes. *Energy Procedia* 32: 176-182.

- Sizova, M.V., Panikov, N.S., Tourova, T.P., and Flanagan, P.W. 2003. Isolation and characterization of oligotrophic acido-tolerant methanogenic consortia from a Sphagnum peat bog. *FEMS Microbiology Ecology* 45 : 301-315.
- Sluiter, A., Hames, B., Hyman, D., Payne, C., Ruiz, R., Scarlata, C., Sluiter, J., Templeton, D. and Wolfe, J. 2008. Determination of Total Solid in Biomass and Total Dissolved Solid in Liquid Process Sample, Laboratory Analytical Procedure (LAP). Technical Report NREL/TP-510-42621.
- Sluiter, A., Hames, B., Ruiz, R., Scarlata, C., Sluiter, J. and Templeton, D. 2005. Determination of Ash in Biomass, Laboratory Analytical Procedure (LAP). Technical Report NREL/TP-510-42622.
- Vavilin, V.A., Rytov, S.V. and Lokshina L.Y. 1996. A Description of Hydrolysis Kinetics in Anaerobic Degradation of Particulate Organic Matter. *Bioresource Technology* 56(2-3): 229-237.
- Wikandari, R. 2014. *Effect of Fruit Flavors on Anaerobic Digestion: Inhibition and Solution*. Borås: Swedish Centre for Resource Recovery University of Borås.
- Wikandari, R., Sari, N.K., A'yun, Q., Millati, R., Cahyanto, M.N., Niklason, C. Taherzadeh, M.J. 2015. Effect of Lactone, Ketone, and Phenol on Methane Production and Metabolic Intermediates during Anaerobic Digestion. *Appl Biochem Biotechnol*. 175(3):1651-1663.