

## REFERENCES

- Abbassi-Guendouz, Amel., Brockmann, Doris., Trably, Eric., Dumas, Claire., Delgenès, Jean-Philippe., Steyer, Jean-Philippe., Escudie, Renaud. 2012. Total solid content drives high solid anaerobic digestion via mass transfer limitation. *Bioresource Technology Journal*. 111, 55-61.
- Al Seadi, Teodorita., Rutz, Dominik., Prassl, Heinz., Köttner, Michael., Finsterwalder, Tobias, Volk, Silke., Janssen, Rainer. 2008. *Biogas Handbook*. University of Southern Denmark Esbjerg. Denmark.
- Anonym. 2015. Cellulase. <https://en.wikipedia.org/wiki/Cellulase>. July 1<sup>st</sup>, 2015.
- Carrillo, F., Colom, X., Suñol, J.J., Saurina, J. 2004. Structural FTIR analysis and thermal characterization of lyocell and viscose-type fibres. *European Polymer Journal*. 40, 2229-2234.
- Chynoweth, D. P., Turick, C. E., Owens, J. M., Jerger, D. M., Peck, M. W. 1993. Biochemical methane potential of biomass and waste feedstocks. *Biomass Bioenergy*. 5, 95-111.
- Cooper , P.A. , Balatinecz , J.J. , Flannery , S.J. ( 1999 ) Agricultural waste materials for composites: A Canadian reality . *Proceedings of Center for Management Technology Global Panel Based Conference* , Kuala Lumpur, 18–19 October .
- Curtis. B. C. 2002. Wheat in the world. Bread Wheat, Improvement and Production. FAO Plant Production and Protection Series No. 30
- Deublein, D., & Steinhauser, A. (2008). *Biogas from waste and renewable resources*. Weinheim: Wiley-VCH.
- Ehrman, T., 1994. Standard Method for Determination of Total Solids in Biomass. National Renewable Energy Laboratory, Midwest, p. 7.
- FAO database, <http://www.fao.org/worldfoodsituation/csdb/en/>
- Gerardi, Michael H. 2003. *The Microbiology of Anaerobic Digester*. John Wiley & Sons, Inc., Hoboken, New Jersey.
- Gould, M. Charles. 2015. Bioenergy and Anaerobic Digestion. A. Dahiya. 229-317. *Bioenergy*. Elsevier.

- Guendouz, J., Buffière, P., Cacho, J., Carrère, M., Delgenes, J.-P., 2010. Dry anaerobic digestion in batch mode: design and operation of a laboratory-scale, completely mixed reactor. *Waste Management*. 30, 1768–1771. In: Dynamic effect of total solid content, low substrate/inoculum ratio and particle size on solid-state anaerobic digestion J.-C. Motte, R. Escudie, N. Bernet, J.-P. Delgenes, J.-P. Steyer, C. Dumas
- Hansen, T.L., Schmidt, J.E., Angelidaki, I., Marca, E., Jansen, J.C., Mosbæk, H., Christensen, T.H., 2004. Method for determination of methane potentials of solid organic waste. *Waste Manage*. 24, 393–400.
- Harper, S. R. and Pohland, F. G. 1987. Enhancement of anaerobic treatment efficiency through process modification. *Journal of Water Pollution Control Federation*. 59, 152 – 161. from Biomethane and biohydrogen production via anaerobic digestion/fermentation. Stamatelatou, K., Antonopoulou, G., Michailides, P.
- Khalid, Azeem., Arshad, Muhammad., Anjum, Muzammil., Mahmood, Tariq., Dawson, Lorna. 2011. The anaerobic digestion of solid organic waste. *Waste Management Journal*. 31, 1737–1744.
- Lesteur, M., Bellon-Maurel, V., Gonzalez, C., Latrille, E., Roger, J. M., Junqua, G., Steyer, J. P. 2010. Alternative methods for determining anaerobic biodegradability: A review. *Process Biochemistry*. 45, 431-440.
- Lettinga, G., Rebac, S., and Zeeman, G. 2001. Challenge of psychrophilic anaerobic wastewater treatment. *Trends in Biotechnology*. 19(9), 363-370. In: Zhao, Chengyuan. 2011. Effect of Temperature on Biogas Production in Anaerobic Treatment of Domestic Wastewater UASB System in Hammarby Sjöstadverk.
- Liew, Lo Nee., Shi, Jian., Li, Yebo. 2012. Methane production from solid-state anaerobic digestion of lignocellulosic biomass. *Biomass and Bioenergy*. 46, 125-132.
- Martins das Neves, L.C., A. Converti, and T.C. VessoniPenna, Biogas production: New trends for alternative energy sources in rural and urban zones. *Chem. Eng. Technol.*, 2009. 32: p.1147–1153.
- Mata-Alvarez, J., Macé, S., Llabrés, P., 2000. Anaerobic digestion of organic solidwastes. An overview of research achievements and perspectives. *Bioresour. Technol.* 74, 3–16.
- Mckean , W.T. , Jacobs , R.S. 1997. Wheat straw as a fiber source . Clean Washington Center, Washington, DC .

- Mes, T.Z.D. de, Stams, A. J. M., Zeeman, G. 2003. Methane production by anaerobic digestion of wastewater and solid waste. In: <http://www.sswm.info/library/1058>
- Motte, J. –C., Escudié, R., Bernet, N., Delgenes, J. –P., Steyer, J. –P., Dumas, C. 2013. Dynamic effect of total solid content, low substrate/inoculum ratio and particle size on solid-state anaerobic digestion. *Bioresource Technology*. 144, 141-148.
- Nkema, Valentine Nkongndem and Murto, Marika. 2013. Biogas production from wheat straw in batch and UASB reactors: The roles of pretreatment and seaweed hydrolysate as a co-substrate. *Bioresource Technology*. 128, 164-172.
- Nielfa, A., Cano, R., Fdz-Polanco, M. 2015. Theoretical methane production generated by the co-digestion of organic fraction municipal solid waste and biological sludge. *Biotechnology Reports Journal*. 5, 14-21.
- Panthapulakkal, S and Sain, M. (2015). The use of wheat straw fibres as reinforcements in composites. University of Toronto, Canada.
- Saady, Noori M. C. and Massé, Daniel I. 2013. Psychrophilic anaerobic digestion of lignocellulosic biomass: A characterization study. *Bioresource Technology*. 142, 663-671.
- Sluiter, A., Hames, B., Ruiz, R., Scarlata, C., Sluiter, J., Templeton, D., and Crocker, D. 2008. Determination of Structural Carbohydrates and Lignin in Biomass. Laboratory Analytical Procedure, National Renewable Energy Laboratory (NREL). Golden, Colorado.
- Taherzadeh, Mohammad J. and Karimi, Keikhosro. 2007. Enzyme-Based Hydrolysis Processes for Ethanol from Lignocellulosic Materials: A Review. *BioResources*. 2(4), 707-738.
- Yadvika., Santosh., Sreekrishnan, T.R., Kohli, Sangeeta., and Rana, Vineet. (2004). Enhancement of biogas production from solid substrates using different techniques—a review. *Journal of Bioresource Technology*, 95, 1–10.
- Zhao, Chengyuan. 2011. Effect of Temperature on Biogas Production in Anaerobic Treatment of Domestic Wastewater UASB System in Hammarby Sjöstadverk. Royal Institute of Technology (KTH). Stockholm, Sweden.