

REFERENCES

- Abbassi-Guendouz, A. *et al.* (2012) 'Total solids content drives high solid anaerobic digestion via mass transfer limitation', *Bioresource Technology*. Elsevier Ltd, 111, pp. 55–61. doi: 10.1016/j.biortech.2012.01.174.
- Ali Shah, F. *et al.* (2014) 'Review article. Microbial ecology of anaerobic digesters: The key players of anaerobiosis.', *The Scientific World Journal*. doi: 10.1155/2014/183752.
- Bhatia, S. P., Letizia, C. S. and Api, A. M. (2008) 'Fragrance material review on patchouli alcohol', 46, pp. 255–256. doi: 10.1016/j.fct.2008.06.069.
- Deublein, D. and Steinhauser, A. (2010) *Biogas from Waste and Renewable Resources: An Introduction, Second Edition, Biogas from Waste and Renewable Resources: An Introduction, Second Edition*. doi: 10.1002/9783527632794.
- Dong, L., Zhenhong, Y. and Yongming, S. (2010) 'Semi-dry mesophilic anaerobic digestion of water sorted organic fraction of municipal solid waste (WS-OFMSW)', *Bioresource Technology*. Elsevier Ltd, 101(8), pp. 2722–2728. doi: 10.1016/j.biortech.2009.12.007.
- Fagbohunbe, M. O. *et al.* (2017) 'The challenges of anaerobic digestion and the role of biochar in optimizing anaerobic digestion', *Waste Management*. doi: 10.1016/j.wasman.2016.11.028.
- Fernández, J., Pérez, M. and Romero, L. I. (2008) 'Effect of substrate concentration on dry mesophilic anaerobic digestion of organic fraction of municipal solid waste (OFMSW)', *Bioresource Technology*. doi:



10.1016/j.biortech.2007.12.048.

García-Bernet, D. *et al.* (2011) 'Water distribution in biowastes and digestates of dry anaerobic digestion technology', *Chemical Engineering Journal*. doi: 10.1016/j.cej.2011.07.003.

Hussain, A. I. *et al.* (2011) 'Antibacterial activity of some Lamiaceae essential oils using resazurin as an indicator of cell growth', *LWT - Food Science and Technology*. Elsevier Ltd, 44(4), pp. 1199–1206. doi: 10.1016/j.lwt.2010.10.005.

Le Hyaric, R. *et al.* (2012) 'Influence of moisture content on the specific methanogenic activity of dry mesophilic municipal solid waste digestate', *Journal of Chemical Technology and Biotechnology*. Elsevier Ltd, 87(7), pp. 1032–1035. doi: 10.1002/jctb.2722.

Kothari, R. *et al.* (2014) 'Different aspects of dry anaerobic digestion for bio-energy: An overview', *Renewable and Sustainable Energy Reviews*. Elsevier, 39, pp. 174–195. doi: 10.1016/j.rser.2014.07.011.

Kusuma, H. S. and Mahfud, M. (2017) 'GC-MS analysis of essential oil of Pogostemon cablin growing in Indonesia extracted by microwave-assisted hydrodistillation', *International Food Research Journal*, 24(4), pp. 1525–1528. doi: 10.3311/PPch.XXXX.

Li, A. *et al.* (2013) 'A pyrosequencing-based metagenomic study of methane-producing microbial community in solid-state biogas reactor', *Biotechnology for Biofuels*. doi: 10.1186/1754-6834-6-3.

Lin, L. *et al.* (2014) 'Comparison of solid-state anaerobic digestion and composting of yard trimmings with effluent from liquid anaerobic digestion',



- Bioresource Technology*. Elsevier Ltd, 169, pp. 439–446. doi:
10.1016/j.biortech.2014.07.007.
- Lin, P. C., Lee, J. J. and Chang, I. J. (2016) ‘Essential oils from Taiwan: Chemical composition and antibacterial activity against *Escherichia coli*’, *Journal of Food and Drug Analysis*. Elsevier Ltd, 24(3), pp. 464–470. doi:
10.1016/j.jfda.2015.12.006.
- Lukitawesa *et al.* (2018) ‘Inhibition of patchouli oil for anaerobic digestion and enhancement in methane production using reverse membrane bioreactors’, *Renewable Energy*. Elsevier Ltd, 129, pp. 748–753. doi:
10.1016/j.renene.2017.04.068.
- Nazzaro, F. *et al.* (2013) ‘Effect of essential oils on pathogenic bacteria’, *Pharmaceuticals*, 6(12), pp. 1451–1474. doi: 10.3390/ph6121451.
- Neshat, S. A. *et al.* (2017) ‘Anaerobic co-digestion of animal manures and lignocellulosic residues as a potent approach for sustainable biogas production’, *Renewable and Sustainable Energy Reviews*. doi:
10.1016/j.rser.2017.05.137.
- Oussalah, M., Caillet, S. and Lacroix, M. (2006) ‘Mechanism of action of Spanish oregano, Chinese cinnamon, and savory essential oils against cell membranes and walls of *Escherichia coli* O157:H7 and *Listeria monocytogenes*’, *J Food Prot*, 69(5), pp. 1046–1055. doi: 10.4315/0362-028X-69.5.1046.
- Patinvoh, R. J. (2017) Biological pretreatment and dry digestion processes for biogas production.
- Riya, S. *et al.* (2018) ‘The influence of the total solid content on the stability of



- dry-thermophilic anaerobic digestion of rice straw and pig manure’, *Waste Management*. Elsevier Ltd, 76, pp. 350–356. doi: 10.1016/j.wasman.2018.02.033.
- Swamy, M. K. and Sinniah, U. R. (2016) ‘Patchouli (*Pogostemon cablin* Benth.): Botany, agrotechnology and biotechnological aspects’, *Industrial Crops and Products*. Elsevier B.V., 87, pp. 161–176. doi: 10.1016/j.indcrop.2016.04.032.
- Ultra International, 2017. *Essential Oil:Market Report January 2017*. Ultra International B.V. Indonesia
- Weiland, P. (2010) ‘Biogas production: Current state and perspectives’, *Applied Microbiology and Biotechnology*. doi: 10.1007/s00253-009-2246-7.
- Xu, F. *et al.* (2016) ‘Comparison of digestate from solid anaerobic digesters and dewatered effluent from liquid anaerobic digesters as inocula for solid state anaerobic digestion of yard trimmings’, *Bioresourc Technology*. Elsevier Ltd, 200, pp. 753–760. doi: 10.1016/j.biortech.2015.10.103.
- Xu, F. and Li, Y. (2012) ‘Solid-state co-digestion of expired dog food and corn stover for methane production’, *Bioresourc Technology*. Elsevier Ltd, 118, pp. 219–226. doi: 10.1016/j.biortech.2012.04.102.
- Yahya, A. and Yunus, R. M. (2013) ‘Influence of sample preparation and extraction time on chemical composition of steam distillation derived patchouli oil’, *Procedia Engineering*. Elsevier B.V., 53, pp. 1–6. doi: 10.1016/j.proeng.2013.02.001.
- Yang, L. *et al.* (2015) ‘Challenges and strategies for solid-state anaerobic digestion of lignocellulosic biomass’, *Renewable and Sustainable Energy Reviews*.



Elsevier, 44, pp. 824–834. doi: 10.1016/j.rser.2015.01.002.

Yang, X. *et al.* (2013) ‘Evaluation of the antibacterial activity of patchouli oil’,
Iranian Journal of Pharmaceutical Research, 12(3), pp. 307–316. doi:
24250637.

Zhu, J. *et al.* (2014) ‘Solid-state anaerobic co-digestion of hay and soybean
processing waste for biogas production’, *Bioresource Technology*. Elsevier
Ltd, 154, pp. 240–247. doi: 10.1016/j.biortech.2013.12.045.