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PUBLICATIONS

Refereed:

- Chaoui, H., Zibilske, L.M. and Ohno, T. 2003. Effect of Earthworm Casts and Compost on Soil Microbial Activity and Plant Nutrient Availability. *Soil Biology and Biochemistry*, 35, 295-302. *8th most downloaded article in Soil Biology and Biochemistry Journal, 2003. Cited 86 times, 44 times in refereed articles. Referenced by the National Research Council of Canada.*
- Chaoui, H. and Keener, H.M. 2008. Modeling the effectiveness of an electric field at repelling earthworms. *Biosystems Engineering*, 100 (3), 409-421. <http://dx.doi.org/10.1016/j.biosystemseng.2008.04.009>
- Chaoui, H., Montes, F., Rotz, C. A. and Richard, T.L. 2009. Volatile Ammonia Fraction and Flux from Thin Layers of Buffered Ammonium Solution and Dairy Cattle Manure. *Transactions of the ASABE*. 52(5): 1695-1706.
- Montes, F., Rotz, C. A., Chaoui, H. 2009. Process Modeling of Ammonia Volatilization from Ammonium Solution and Manure Surfaces: A Review with Recommended Models. *Transactions of the ASABE*. 52(5): 1707-1720.

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- Chaoui, et al., 2002. Suppression of the plant diseases, Pythium (damping-off), Rhizoctonia (root rot) and Verticillium (wilt) by Vermicomposts. *Proceedings of Brighton Crop Protection Conference- Pests and Diseases*. Vol II, 8B-3, 711-716. *Cited 29 times, 6 times in refereed articles.*
- Chaoui, H., Brugger, M. 2007. A review and sensitivity analysis of odor setback distance models. *International Symposium on Air Quality and Waste Management for Agriculture*. September 15-19, 2007 in Broomfield, Colorado.

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- Chaoui, H. 2010. Why urban farming needs to be organic, *Innovative Science*, 1, 21-26. <http://www.innovative-science.com/our-science-magazine>
- Chaoui, H. 2010. Vermicasting (Vermicomposting). Ontario Ministry of Agriculture, Food and Rural Affairs. <http://www.omafra.gov.on.ca/english/engineer/facts/10-009.htm>

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- Chaoui, H and Sorensen, C.G. 2010. Review of Technological Advances and Technological Needs in Ecological Agriculture (Organic Farming). CIGR and AGM annual meeting, Québec City (2010). <http://www.bioeng.ca/publications/meetings-papers?sobi2Task=sobi2Details&catid=21&sobi2Id=377>
- Chaoui, H, Eckhoff, S., Hu, M-C, and Ting, K.C. 2009. Designing a biomass storage system: part of a biomass production system. ASABE Annual International Meeting, Reno, Nevada (2009).
- Chaoui, H, Montes, F. and Rotz, A. 2008. Dissociation and Mass Transfer Coefficients for Ammonia Volatilization Models.. ASABE Annual International Meeting, Providence, Rhodes Island (2008).
- Chaoui, H. 2008. Review of Innovative Technologies for Organic Farming. ASABE Annual International Meeting, Providence, Rhodes Island (2008).
- Chaoui, H., Richard, T. 2007. Effect of mixing frequency on biogas yield in biodigesters. *International conference on progress in biogas*, Stuttgart, Germany (2007). And the ASABE Annual International Meeting, Providence, Rhodes Island (2008).
- Chaoui, H., Topper, P., Graves, R., Bruns, M.A., and Richard, T. 2007. The effect of compost and earthworms casts biofilters on dairy manure stack emissions. ASABE Annual International Meeting, Minneapolis, Minnesota (2007).
- Chaoui, H. and Keener, H.M. Testing and Modeling the Effectiveness of an Electric Field at repelling earthworms. ASABE Annual International Meeting, 2006.

- Ehsani , R., Chaoui, H., Grejner-Brzezinska, D and Sullivan, M. 2006. A method of evaluating the performance of RTK GPS receivers used in Agriculture. Proceedings of the World Congress on Agricultural Engineering (2006) and Proceedings of the Automation Technology for Off Road Equipment Conference (2006).
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