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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. 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).
- Chaoui, H, Keener, H. M., Ehsani, R. 2005. Modeling the Effectiveness of an Electric Field at repelling earthworms. ASABE Annual International Meeting, Tampa, Florida (2005).
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