

## Faculty Publications

### Publications (Journal Articles, Conference Papers, Book Chapters, and Books)

Names of faculty members are printed in **bold**. The list includes only those papers published while faculty members worked at Troy University. Listed alphabetically by year.

#### 2017

Francis, M. S., A. A. Amer, **D. L. Milton**, and T. R. Costa. 2017. Site-directed mutagenesis and its application in studying the interactions of T3S components. *Methods Mol Biol.* 531:11-31.

Sørensen, M.V., and **S. C. Landers**. 2017. Description of a new kinorhynch species, *Paracentrophyes sanchezae* n. sp. (Kinorhyncha: Allomalorhagida) from the Gulf of Mexico, with differential notes on one additional, yet undescribed species in the genus. *Zootaxa* 4242(1): 61-76 <https://doi.org/10.11646/zootaxa.4242.1.3>

**Woods, M.**, and E. W. Minton. 2017. *Lathyrus palustris* (Fabaceae) new to Alabama. *Phytoneuron* 2017-23: 1–4. Published 16 March 2017. ISSN 2153 733X.

#### 2016

**Diamond, A. R.** 2016. *Asarum harperi*: A new combination for a *Hexastylis* (Aristolochiaceae) taxon. *Phytoneuron* 2016-9: 1–2.

**Diamond, A. R.** 2016. New vascular plant county records from Alabama. *Phytoneuron* 2016-72: 1–6. Published 7 November 2016. ISSN 2153 733X.

**Diamond, A. R.** 2016. Range extension and first record of *Fimbristylis perpusilla* (Cyperaceae) for Alabama. *Phytoneuron* 2016-10: 1–4. Published 3 February 2016. ISSN 2153 733X.

Gibson, K. J., **J. M. Miller**, P. D. Johnson, **P. M. Stewart**. 2016. Toxicity of sodium dodecyl sulfate to federally threatened and petitioned freshwater mollusk species. *Freshwater Mollusk Biology and Conservation* 19:29-35.

Homberg, J. R., E. J. Kyzar, M. L. Scattoni, W. H. Norton, **J. Pittman**, S. Gaikwad, M. Nguyen, M. K. Poudel, J. F. Ullmann, D. M. Diamond, A. A. Kaluyeva, M. O. Parker, R. E. Brown, C. Song, R. R. Gainetdinov, I. I. Gottesman, A. V. Kalueff. 2016. Genetic and environmental modulation of neurodevelopmental disorders: Translational insights from labs to beds. *Brain Res Bull.* 125:79-91.

Homberg, J. R., Kyzar, A. M. Stewart, M. Nguyen, M. K. Poudel, D. J. Echevarria, A. D. Collier, S. Gaikwad, V. M. Klimenko, W. Norton, **J. Pittman**, S. Nakamura, M. Koshiha, H. Yamanouchi, S. A. Apryatin, M. L. Scattoni, D. M. Diamond, J. F. Ullmann,

- M. O. Parker, R. E. Brown, C. Song, A. V. Kalueff. 2016. Improving treatment of neurodevelopmental disorders: recommendations based on preclinical studies. *Expert Opin Drug Discov.* 1:11-25.
- Homberg, J. R., E. J. Kyzar, M. Nguyen, W. H. Norton, **J. Pittman**, M. K. Poudel, S. Gaikwad, S. Nakamura, M. Koshiba, H. Yamanouchi, M. L. Scattoni, J. F. Ullman, D. M. Diamond, A. A. Kaluyeva, M. O. Parker, V. M. Klimenko, S. A. Apryatin, R. E. Brown, C. Song, R. R. Gainetdinov, I. I. Gottesman, A. V. Kalueff. 2016. Understanding autism and other neurodevelopmental disorders through experimental translational neurobehavioral models. *Neurosci Biobehav Rev.* 65:292-312.
- Jones, C. M., J. Sharma, **J. M. Miller**, **P. M. Stewart** and **S. C. Landers**. 2016. Nematode assemblages of the northern Gulf of Mexico continental shelf. [Proceedings of the Biological Society of Washington](#). 129: 24-37. doi: 10.2988/0006-324X-129.Q1.24
- Jones, J., **A. Mukherjee**, B. Karanam, M. Davis, J. Jaynes, R. R. Reams, W. Dean-Colomb, and C. Yates. 2016. *African Americans with Pancreatic Ductal Adenocarcinoma Exhibit Gender Differences in Kaiso Expression*. *Cancer Lett*, 2016. 380(2): p. 513-22.
- Keating, M. P., C. A. Ochs, D. Balachandran, M. M. Holland, R. E. Lizotte, **K. W. Yu**. 2016. Spatial variation related to hydrologic patterns and vegetation in greenhouse gas fluxes from the Mississippi Delta agricultural region. *Applied Soil Ecology* 98: 278–81.
- Landers, S. C., and M. V. Sørensen**. 2016. Two new species of *Echinoderes* (Kinorhyncha: Cyclorhagida), *E. romanoi* sp. n., and *E. joyceae* sp. n., from the Gulf of Mexico. *ZooKeys* 594: 51-71. doi:10.3897/zookeys.594.8623
- Martinec, C. C., J. Sharma, **J. M. Miller**, **P. M. Stewart** and **S. C. Landers**. 2016. Nematode assemblages of the northern Gulf of Mexico continental shelf. *Proceeding of the Biological Society of Washington* 129: 24-37.
- Niraula, B. B., J. M. Hyde, **J. M. Miller**, **P. M. Stewart**. 2016. Differential sediment stability for two federally threatened and one common species of freshwater mussels in southeastern coastal plain streams, USA. *Journal of Freshwater Ecology*. DOI: 10.1080/02705060.2016.1248501
- Niraula, B. B., J. M. Hyde, **J. M. Miller**, P. D. Johnson, **P. M. Stewart**. 2016. Microhabitat associations among three federally threatened and a common freshwater mussel species. *American Malacological Bulletin* 33(2): 195-203. doi:10.4003/006.033.0201
- Pittman, J.** 2016. Developing Zebrafish Depression-Related Models. In: *The Rights and Wrongs of Zebrafish: Behavioral Phenotyping of Zebrafish*. Springer Nature Publishing, 33-45.
- Pittman, J.** 2016. Zebrafish Neurotoxicity Models. In: *The Rights and Wrongs of Zebrafish: Behavioral Phenotyping of Zebrafish*. Springer Nature Publishing, 207-221.

- Rinklebe, J., S. M. Shaheen and **K. W. Yu**. 2016. Release of As, Ba, Cd, Cu, Pb, and Sr under pre-definite redox conditions in different rice paddy soils originating from the U.S.A., and Asia. *Geoderma* 270: 21-32.
- Riscassi, A., **C. Miller**, B. Brooks. 2016. Seasonal and flow-driven dynamics of particulate and dissolved mercury and methylmercury in a stream impacted by an industrial mercury source. *Environ. Tox., and Chem.* 35:1386-1400.
- Sørensen, M. V., M. Herranz and **S. C. Landers**. 2016. A new species of *Echinoderes* (Kinorhyncha: Cyclorhagida) from the Gulf of Mexico, with a redescription of *Echinoderes bookhouti* Higgins, 1964. *Zoologischer Anzeiger* doi:10.1016/j.jcz.2016.04.004
- Tran, M., **J. W. Park**, 2016. Bacterial Community Shift in Marine Tar Balls following Low Salinity Exposure, *Lett Appl Microbiol*. Under review.
- Tran, M., **K. Yu, J.W. Park**, 2016. Unique Bacterial Community in Tar-Filled Shells and Tar Balls on the Alabama Gulf Coast, *Environ Monit Assess*. Under review.
- Woods, M., and A. Diamond**. 2016. *Alysicarpus ovalifolius* and *Alysicarpus vaginalis* (Fabaceae) in Alabama. *Phytoneuron* 2016-46: 1–3. Published 14 June 2016. ISSN 2153 733X.
- Woods, M., A. Diamond**, and J. R. Burkhalter. 2016. *Cyperus tetragonus* and *Desmodium triflorum*: New vascular plant records from Alabama. *Phytoneuron* 2016-59: 1–4. Published 17 August 2016. ISSN 2153 733X.

## 2015

- Al Jawasim, M., **K. Yu, J. W. Park**, 2015. Synergistic Effect of Crude oil plus Dispersant on Bacterial Community in a Louisiana Salt Marsh Sediment, *FEMS Microbiol Lett*. 362:fnv144 1-7.
- Diamond, A. R.** 2015. Two species rediscovered in Alabama after 100 years. *Phytoneuron* 2015-47: 1–3.
- Mathews, T., B. Looney, L. Bryan, J. Smith, **C. Miller**, G. Southworth, M. Peterson. 2015. The effects of a stannous chloride-based water treatment system in a mercury contaminated stream. *Chemosphere* 138: 190-196.
- Miller, C.**, D. Watson, B. Lester, J. Howe, D. Philips, L. Liang, E. Pierce. 2015. Formation of soluble mercury oxide coatings: transformation of elemental mercury in soil. *Environ. Sci. Technol.* 49: 12105-12111.
- Niraula, B. B., **J. M. Miller**, J. M. Hyde, **P. M. Stewart**. 2015. Instream habitat associations among three federally threatened and a common freshwater mussel species in a

southeastern watershed. *Southeastern Naturalist* 14(2): 221-230.  
doi:10.1656/058.014.0205

**Pittman, J., A. Hylton.** 2015. Behavioral, endocrine, and neuronal alterations in zebrafish (*Danio rerio*) following sub-chronic coadministration of fluoxetine and ketamine. *Pharmacol Biochem Behav.* 139: 158-162.

Simon, T. P., C. C. Morris, B. R. Kuhajda, C. R. Gilbert, H. L. Bart, Jr., N. Rios, **P. M. Stewart,** T. P. Simon, IV, M. Denney. 2015. Fishes of the Choctawhatchee River system in Southeastern Alabama and Northcentral Florida. Southeastern Fishes Council Proceedings 55. Available at: <http://trace.tennessee.edu/sfcproceedings/vol1/iss55/1>

Stoeckel, J., B. Helms, M. Catalano, **J. M. Miller,** K. J. Gibson, **P. M. Stewart.** 2015. Evaluation of a low-cost sampling protocol for a coordinated, crayfish life-history sampling effort. *Freshwater Crayfish: Proceedings of the Southern Division of American Fisheries Society* 21(1):131-141. doi:10.5869/fc2015.v21-1.

## 2014

Burchill, J. L., and **A. Diamond.** 2014. A Herpetofaunal Survey of Pike County, Alabama, USA. *Herpetological Review* 45 (1), 98–99.

**Diamond, A. R.** 2014. New and noteworthy vascular plant records from Alabama. *Phytoneuron* 2014-103: 1–10. Published 12 November 2014. ISSN 2153 733X.

Gu, B., B. Mishra, **C. Miller,** W. Wang, B. Lai, B. Brooks, K. Kemner, L. Liang. 2014. X-ray fluorescence mapping of mercury on suspended mineral particles and diatoms in a contaminated freshwater system. *Biogeosciences.* 11: 1-6

Gupta, A., **K. Yu, J. W. Park.** 2014. Dominant Indigenous Bacteria in Gasoline-Treated Marshes around Lake Pontchartrain, Louisiana. *Water Air Soil Pollut.* 225:1-10.

Hyde, J. M., **P. M. Stewart, J. M. Miller.** 2014. Species richness estimation and rarefaction of fish assemblages in a small watershed. *Southeastern Naturalist* 13(2): 208-220.  
doi:10.1656/058.013.0204

Jia, M., **J. Pittman.** 2014. Deficits in Striatal Dopamine and Hippocampal Serotonin Following Induction of Anxiety/Depressive-Like Behaviors by Bisphenol A. *Arch Neurosci.* 2(2): 1-6.

**Landers, S. C., A. C. Nichols, C. A. Schimmer, P. M. Stewart, S. Ramroop, D. A. Steffy and F. A. Romano, III.** 2014. Meiofauna and trace metals from sediment collections in Florida following the Deepwater Horizon oil spill. *Gulf of Mexico Science* 32: 1-10.

**Landers, S. C., A. C. Nichols, N. K. Barron, C. A. Schimmer, R. Tao, K. Yu, P. M. Stewart** and E. Ólaffson. 2014. Nematode and copepod diversity (2012) from Louisiana near the

Deepwater Horizon spill site. Proceedings of the Biological Society of Washington 127(1): 47-57. <http://www.pbsw.org/loi/pbsw>

Liu, H., **J. W. Park**, M.M. Häggblom, 2014. Enriching for Microbial Reductive Dechlorination of Polychlorinated Dibenzo-*p*-Dioxins and Dibenzofurans. *Environ. Pollut.* 184:222-230.

Pace, N., and **C. A. Boyd**. 2014. Inventory of Shellfish Restoration Permitting and Programs in the Coastal States. Mississippi Alabama Sea Grant Legal Center, National Sea Grant Law Center. The Nature Conservancy Cost Share #19812203049. <http://masglp.olemiss.edu/projects/files/tnc-report.pdf>

Martinez, C. C., **J. M. Miller**, N. K. Barron, R. Tao, **K. Yu**, **P. M. Stewart**, A. C. Nichols, D. A. Steffy and **Landers, S.C.** 2014. Sediment chemistry and meiofauna from the northern Gulf of Mexico continental shelf. *International Journal of Oceanography*. <http://dx.doi.org/10.1155/2014/625718>

**Miller, J. M.**, B. B. Niraula, E. G. Reátegui-Zirena, **P. M. Stewart**. 2014. Life history and physical observations of primary burrowing crayfish (Decapoda: Cambaridae) *Cambarus (Lacunicambarus) diogenes* and *Cambarus (Tubericambarus) polychromatus*. *Journal of Crustacean Biology* 34(1): 15-24. DOI: 10.1163/1937240X-00002199.

Pace, N., and **C. A. Boyd**. 2014. Inventory of Shellfish Restoration Permitting and Programs in the Coastal States. Mississippi Alabama Sea Grant Legal Center, National Sea Grant Law Center. The Nature Conservancy Cost Share #19812203049. <http://masglp.olemiss.edu/projects/files/tnc-report.pdf>

**Park, J. W.**, **K. Yu**, 2014. Observations and Analyses of Microbial Pathogens Affected by the Deepwater Horizon Oil Spill. In W.H. Pearson et al. (Ed.) *Oil Spills: Environmental Issues, Prevention and Ecological Impacts*. ISBN: 978-1-63321-548-1. *Nova Science Publishers*, NY.

**Pittman, J.** 2014. "Anxiety/Depression-related Animal Models: Zebrafish and Diazepam". In: *Diazepam: Medical Uses, Pharmacology and Health Effects*. Nova Publishers. Chapter 5. (ISBN: 978-1-62948-627-7).

**Pittman, J.** 2014. Views on developing new animal models to study depression. *J Res Development*. 2:117.

**Pittman, J.**, C. Lott. 2014. Startle response memory and hippocampal changes in adult zebrafish pharmacologically-induced to exhibit anxiety/depression-like behaviors. *Physiology & Behavior*. 123, 174–179.

**Pittman, J.**, K. Henry, C. Kelly, and **M. Morris**. 2014. Attenuation of anxiety/depression-like behaviors and neuroanatomical changes following quercetin and rutin exposure in zebrafish (*Danio rerio*). *Journal of Psychiatry and Behavioral Science* 1(1):1-8.

- Pittman, J., R. Hadi, K. Ichikawa, K.** 2014. Fluoxetine: Pharmacological Analysis of Depression-like Responses in Zebrafish In: Fluoxetine: Pharmacology, Mechanisms of Action and Potential Side Effects. Nova Publishers. Chapter 14. (ISBN: 978-1-63482-077-6).
- Reátegui-Zirena, E. G., **P. M. Stewart**, A. Whatley, F. Chu Koo, V. Soltero. 2014. Polycyclic aromatic hydrocarbon concentrations, mutagenicity, and microtox testing of oil contaminated water, sediment, and Peruvian crude oil. *Environmental Monitoring and Assessment* 186(4): 2171-2184. DOI 10.1007/s10661-013-3527-2.
- Schimmer, C. A., and **S. C. Landers**. 2014. Histochemical Study of the Progenetic Trematode *Alloglossidium renale*. *Journal of Parasitology Research*, Article ID 245769, 8 pages. <http://dx.doi.org/10.1155/2014/245769>
- Shi, R. J., and **K. W. Yu**. 2014. Impact of exposure of crude oil and dispersant (COREXIT® EC 9500A) on denitrification and organic matter mineralization in a Louisiana salt marsh sediment, *Chemosphere* 108: 300–305.
- Sørensen, M. V., and **S. C. Landers**. 2014. Two new species of *Echinoderes* (Kinorhyncha: Cyclorhagida) from the Gulf of Mexico. *Frontiers in Marine Science* 1:8. doi:10.3389/fmars.2014.00008 <http://journal.frontiersin.org/Journal/10.3389/fmars.2014.00008/abstract>
- Vien, M. D., M. M. Häggblom, **J. W. Park**, Y. B. Ahn. 2014. Microbial Reductive Dechlorination of Polychlorinated Dibenzo-P-Dioxins in Soils and Sediments from Areas Sprayed with Agent Orange. *Kor J Soil Sci Fertil.* 2014-06:329.
- Watson, D., **C. Miller**, B. Lester, K. Lowe, K., G. Southworth, M. A. Bogle, L. Liang and E. Pierce. 2014. Mercury source zone identification using soil vapor sampling and analysis. *Front. Environ. Sci Eng.* 9: 596-604.
- Woods, M., and A. R. Diamond, Jr.** 2014. The genus *Baptisia* (Fabaceae) in Alabama. *Phytoneuron* 2014-83: 1–11. Published 12 August 2014. ISSN 2153 733X

## 2013

- Diamond, A. R.** 2013. New and noteworthy woody vascular plant records from Alabama. *Phytoneuron* 2013-47: 1–13. Published 17 July 2013. ISSN 2153 733X.
- Diamond, A. R.** 2013. New Cyperaceae and Poaceae records from Alabama. *Phytoneuron* 2013-75: 1–18. Published 27 September 2013. ISSN 2153 733X.
- Diamond, A. R., J. Kevin England, and Bailee Dykes.** 2013. New to Alabama: Pitted bluestem, *Bothriochloa pertusa* (Poaceae). *Phytoneuron* 2013-40. 1–5. Published 24 June 2013. ISSN 2153 733X.

- Kalueff, A.V., M. Gebhardt, A. M. Stewart, J. M. Cachat, M. Brimmer, J. S. Chawla, C. Craddock, E. J. Kyzar, A. Roth, S. Landsman, S. Gaikwad, K. Robinson, E. Baatrup, K. Tierney, A. Shamchuk, W. Norton, N. Miller, T. Nicolson, O. Braubach, C. P. Gilman, **J. Pittman**, D. B. Rosemberg, R. Gerlai, D. Echevarria, E. Lamb, S. C. F. Neuhauss, W. Weng, L. Bally-Cuif, H. Schneider, and the Zebrafish Neuroscience Research Consortium (ZNRC). 2013. Towards a Comprehensive Catalog of Zebrafish Behavior 1.0 and Beyond. *Zebrafish*. 10, 70-86.
- Kral, R., **A. R. Diamond, Jr.**, S. L. Ginzburg, C. J. Hansen, R. R. Haynes, B. R. Keener, M. G. Lelong, D. D. Spaulding and **M. Woods**. 2013. Alabama Plant Atlas. <http://www.floraofalabama.org/>
- Liu, H., **J. W. Park**, D. E. Fennell, L. A. Rodenburg, M. Verta, M. M. Häggblom. 2013. Microbial Reductive Dechlorination of Weathered Polychlorinated Dibenzofurans in Kymijoki Sediment Mesocosms. *Chemosphere*. 91:212-221.
- Landers, S. C.**, M. E. Perry and R. N. Jones. 2013. Colonization of artificial substrates at Dauphin Island, Alabama: a comparison of *Balanus* sp. (Cirripedia), *Membranipora tenuis* (Bryozoa), and *Conopeum tenuissimum* (Bryozoa) settlement in 1999-2000 and 2010-2012. *Gulf of Mexico Science* 31: 1-9.
- Miller, J. M., P. M. Stewart**. 2013. Historical vs. current biological assemblages in the Little Choctawhatchee Watershed, southeastern AL, USA. *Southeastern Naturalist* 12(2): 267-282. doi:10.1656/058.012.0203
- Miller, J. M., P. M. Stewart**. 2013. Past, present, and future nutrient quality of a small southeastern river: A pre-dam assessment. *Water*, Special Issue, Dr. Keith Smetten (Ed.): Ecological Watershed Management. *Water* 5:988-1005. ISSN 2073-4441. doi:10.3390/w5030988
- Morris, M. W.** 2013. The genus *Platanthera* (Orchidaceae) in Mississippi. *Journal of the Botanical Research Institute of Texas* 7:323-339.
- Morris, M. W.** 2013. Ultramafic barrens and woodlands. Pp. 314-319 in L. Edwards, J. Ambrose, and L. K. Kirkman, eds., *The Natural Communities of Georgia*. Athens: University of Georgia Press.
- Pittman, J.**, K. Ichikawa. 2013. iPhone® Applications as Versatile Video Tracking Tools to Analyze Anxiety/Depression-Related Behaviors in Zebrafish (*Danio rerio*). *Pharm, Biochem and Behavior*. 106, 137-142.
- Reátegui-Zirena, E. G., A. Whatley, F. Chu Koo, **P. M. Stewart**. 2013. Acute toxicity testing of crude oil using *Piaractus brachyomus* and *Pimephales promelas*. *International Journal of Environmental Protection* 3(12): 1-7.

- Reátegui-Zirena, E. G., **P. M. Stewart**, **J. M. Miller**. 2013. Growth rates and age estimations of fuzzy pigtoe, *Pleurobema strodeanum*: A species listed under the Endangered Species Act. *Southeastern Naturalist* 12(1): 161-170. doi:10.1656/058.012.0113
- Tao, R., and **K. W. Yu**. 2013. Nitrate addition has minimal effect on anaerobic biodegradation of benzene in coastal saline (salt), brackish and freshwater marsh sediments, *Wetlands* 33: 759-767.
- Woods, M.** 2013. *Dalea mountjoyae* M. Woods (Fabaceae), a new name for *Dalea gracilis* (Nuttall) D.B. Ward. *Phytoneuron*. 2013-23: 1.
- Woods, M., and W. H. Hughes.** 2013. The genus *Dalea* (Fabaceae) in Alabama. *Phytoneuron*. 2013-30: 1-12.

## 2012

- Browning, J. S., and **S. C. Landers**. 2012. Exuviotrophic apostome ciliates from freshwater decapods in southern Alabama (USA) and a description of *Hyalophysa clampi* n. sp. (Ciliophora, Apostomatida). [European Journal of Protistology](#) 48: 207-214.
- Diamond, A. R.,** and Brian R. Keener. 2012. Three noteworthy additions to the Alabama Flora. *Journal of the Botanical Research Institute of Texas* 6(2): 615 – 616.
- Kim, S. J., D. C. Koh, S. J. Park, I. T. Cha, **J. W. Park**, J. H. Na, Y. Roh, K. S. Ko, K. Kim, S. K. Rhee. Molecular analysis of spatial variation of iron-reducing bacteria in riverine alluvial aquifers of the Mankyong River. *J. Microbiology* 50(2): 207-17.
- Landers, S. C.,** F. A. Romano. III, **P. M. Stewart** and S. Ramroop. 2012. A multi-year survey of meiofaunal abundance from the northern Gulf of Mexico continental shelf and slope. *Gulf of Mexico Science* 30(1-2):20-29. <http://goms.disl.org/Vol30No1/goms-30-01-02-20.pdf>
- Leverett, L. D., and **M. Woods**. 2012. The genus *Crotalaria* (Fabaceae) in Alabama. *Castanea*. 77(4): 364-374.
- Miller, J. M., **P. M. Stewart**. 2012. Historical vs. current biological assemblages in the Little Choctawhatchee Watershed, southeastern AL, USA. *Southeastern Naturalist* 12(2):267-282.
- Morris, M. W.** 2012. *Stenanthium leimanthoides* (Melanthiaceae) and *Nestronia umbellula* (Santalaceae) in Alabama. *Castanea* 77:375-380.
- Morris, M. W.,** and J. R. MacDonald. 2012. Vascular plants of the Yazoo-Mississippi Delta, Loess Bluffs, and North Central Plateau in Grenada County, Mississippi. *Journal of the Botanical Research Institute of Texas* 6:653-679.



- Onishi, J. C., **J. W. Park**, J. Prado, S. C. Eades, M. H. Mirza, M. N. Fugaro, M. M. Häggblom, C. R. Reinemeyer. 2012. Intestinal bacterial overgrowth includes potential pathogens in the carbohydrate overload models of equine acute laminitis. *Vet Microbiology* 159(3-4): 354-63.
- Onishi, J. C., **J. W. Park**, M. M. Häggblom, M. J. Fennell, M. N. Fugaro. 2012. Chronic laminitis is associated with potential bacterial pathogens in the laminae. *Vet Microbiology* 158(3-4): 329-36.
- Pittman, J.** 2012. Neurotoxicity Models. In: *The Rights and Wrongs of Zebrafish*. Cambridge University Press.
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- Stewart, P. M.,** J. B. Sawyer, F. Parauka, E. G. Reategui-Zirena. 2012. Summer holding areas of the Gulf sturgeon within the Conecuh/Escambia River system, Alabama and Florida. In Gavyn L Kuhn and Jason R. Emery (Eds.), *Watersheds: Processes, Management and Impact*, Ch. 3, pages 75-93. Hauppauge, NY: Nova Publishers.
- Stewart, P. M.,** S. Bhattarai, **M. Mullen**, C. Metcalf, E. G. Reategui-Zirena. 2012. Influence of large woody debris on macroinvertebrate assemblages in southeastern coastal plains streams, USA. *Journal of Freshwater Ecology* 2012: 351-365.
- Yu, J. O., R. Tao, and **K. W. Yu.** 2012. Anaerobic biodegradation of benzene in salt marsh sediment of the Louisiana Gulf coast. *Ecological Engineering* 40: 6-10.
- Yu, K. W.,** and R. D. DeLanue. 2012. A Comparison Analysis of Edge-of-field Runoff from Two Sugarcane Fields. *Archives of Agronomy and Soil Science* 58: 51-59.