

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.

2018

Al Jawasim, M., P. Bhattacharya, **J. W. Park**, Crude Oil and Dispersant Effects on Bacterial Community in the Gulf of Mexico. *Front. Sci. Technol. Eng. Math.* 2:25-26. (2018).

Byrd, T. C. and **A. R. Diamond**. 2018. New vascular plant records for Alabama. *Phytoneuron* 2018-5: 1-5 Published 26 February 2018.

2017

Beaton, K. R., J. Sharma, C. M. Jones, **J. M. Miller**, **P. M. Stewart**, **S. C. Landers**. 2017. Nematode assemblages in the Gulf of Mexico continental shelf collected during a two-year survey. *J. Exp. Mar. Biol. Ecol.* DOI: 10.1010/j.jembe.2017.08.006

Francis, M. S., 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.

Frischer, M. E., R. F. Lee, A. R. Price, T. L. Walter, M. A. Bassette, R. Verdiyev, M. C. Torris, K. Bulski, P. J. Geer, S. A. Powell, A. N. Walker, **S. C. Landers**. 2017. Causes, diagnostics, and distribution of an ongoing penaeid shrimp black gill epidemic in the South Atlantic Bight, USA. *J. Shellfish Res.* 36: 487-500

Landers, S. C., M. V. Sørensen, K. R. Beaton, C. M. Jones, **J. M. Miller**, **P. M. Stewart**. 2017. Kinorhynch assemblages in the Gulf of Mexico continental shelf collected during a two-year survey. *J. Exp. Mar. Biol. Ecol.* DOI: 10.1016/j.jembe.2017.05.013

Tran, M., **J. W. Park**, Bacterial Community Shift in Marine Tar Balls following Low Salinity Exposure, *BioRxiv*, Cold Spring Harbor Lab, www.biorxiv.org/content/early/2017/12/29/241034 (2017).

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>

Sørensen, M.V., and **S. C. Landers**. 2017. New species of Semnoderidae (Kinorhyncha: Cyclorhagida: Kentrorhagata) from the Gulf of Mexico. *Marine Biodiversity* DOI:10.1007/s12526-017-0728-x

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.

Woods, M. and J. Orcutt. 2017. The genus *Medicago* (Fabaceae) in Alabama. *Phytoneuron* 2017-41: 1–17. Published 21 August 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. Koshiba, 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
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- 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.
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Echinoderes bookhouti Higgins, 1964. Zoologischer Anzeiger
doi:10.1016/j.jcz.2016.04.004

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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.

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2015

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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

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Sørensen, M. V. and **S. C. Landers**. 2015. Corrigendum: Two new species of Echinoderes (Kinorhyncha: Cyclorhagida) from the Gulf of Mexico. *Frontiers in Marine Science* 2:43.

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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

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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.

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2012

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