

Graduate Student Publications

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

Names of graduate students are printed in **bold**.

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

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

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

Beaton, K. R., C. M. Jones, J. M. Miller, J. Sharma, P. M. Stewart, S. C. Landers. 2016. Marine Nematode assemblages in the Gulf of Mexico continental shelf. Presented at the 2016 Gulf of Mexico Oil Spill and Ecosystem Science Conference, Tampa, FL, Feb. 1-4.

Beaton, K. R., J. Sharma, C. M. Jones, J. M. Miller, P. M. Stewart, S. C. Landers. 2016. Nematode assemblages in the Gulf of Mexico continental shelf collected during a two year survey. Presented at the 16th International Meiofauna Conference, Heraklion, Crete, July 3-8.

Bhattacharya, P., S. C. Landers, K. Yu, J.W. Park, 2016. The Effect of Corexit® 9500A Concentrations on the Bacterial Community in Coastal Sediments. *Water Air Soil Pollut.* Under review.

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

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: 278–281.

Miller, J. M., D. N. Shelton, C. B. **Ford**, X. Niu, P. M. Stewart, 2016. Survey and riparian habitat suitability assessment at the NCBC Gulfport’s Stennis Western Maneuver Area (WMA) property for the Inflated Heelsplitter Mussel. U.S. Department of the Navy EPR Project No. 62604WSPHD and 62604WMBMON

2015

Al Jawasim M., K. W. Yu and J. W. Park. 2015. Synergistic effect of crude oil plus dispersant on bacterial community in a Louisiana salt marsh sediment, *FEMS Microbiology Letters*, 362, fnv144.

Martinec, C. C., K. R. Beaton, J. M. Miller, J. Sharma, P. W. Stewart, S. C. Landers. 2015. Ecological relationships and patterns in biodiversity of benthic marine nematode assemblages in the Gulf of Mexico. Presented at the Aquatic Biodiversity and Ecosystems conference, Liverpool, England, Aug. 30th- Sept. 4th.

Martinec, C., J. Sharma, J. M. Miller, P.M. Stewart, S. C. Landers. 2015. Multivariate analysis of Nematode Communities in northern Gulf of Mexico continental shelf sediments following the Deepwater Horizon oil spill. Presented at the 76th Association of Southeastern Biologists meeting, Chattanooga TN April 1-4, 2015. Conference abstract PDF page 69.

Martinec, C., J. Sharma, J. M. Miller, P. M. Stewart, S. C. Landers. 2015. Nematode community structure in northern Gulf of Mexico continental in relation to environmental variables. Presented at the 2015 Gulf of Mexico Graduate Student Symposium, Mar 15-16th, Dauphin Island Sea Lab, Alabama.

Martinec, C., J. Sharma, J.M. Miller, P. M. Stewart, S. C. Landers. 2015. Nematode community structure in northern Gulf of Mexico continental shelf sediments following the Deepwater Horizon oil spill. Presented at the Gulf of Mexico Oil Spill and Ecosystem Science Conference, Houston, TX, Feb 16-19th.

2014

Grilliot, M. E., and S. Harden. 2014. “Using Card Games to Simulate Natural Selection.” *American Biology Teacher*, Vol. 76, Number 2, February 2014 (accepted October 2012)

Gupta, A, K. W. Yu and J. W. Park, 2014. Dominant indigenous bacteria in gasoline-treated marshes around Lake Pontchartrain, Louisiana, *Water, Air, & Soil Pollution* 225: 2011.

Harden, S., and **M. E. Grilliot.** 2014 “Investigating Optimal Foraging Theory in the Laboratory.” *American Biology Teacher*, Vol 76, No. 6, August 2014

- 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, 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>
- 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.
- Martinec, C. C.**, J. M. Miller, M. K. Barron, R. Tao, K. Yu, P. M. Stewart, A. C. Nichols, D. A. Steffy and S. C. Landers. 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>
- Martinec, C.**, J. M. Miller, N. Barron, S. C. Landers, K. Yu, P. M. Stewart, A. Nichols, D. A. Steffy. 2014. Analysis of meiofauna and sediment from the Northern Gulf of Mexico continental shelf following the Deepwater Horizon oil spill. Presented at the Gulf of Mexico Oil Spill and Ecosystem Science Conference, Mobile AL. Jan 26-29.
- Milligan, Meg, S. Harden, S. Merriman and S. Burt-Shelton. “Invigorating the Interdisciplinary Pedagogical Process” *The International Journal of Interdisciplinary Educational Studies* , Vol 9, Issue 1, Dec 2014
- Pittman, J., K. Ichikawa, K. Henry, C. Kelly, **R. Hadi**, J. Duke, and M. W. Morris. 2014. Mechanisms underlying changes in anxiety/depression-related behaviors and neural circuits in zebrafish (*Danio rerio*) following exposure to *Hypericum perforatum* extracts. *Journal of the Society of Biological Psychiatry* 75:IS-401S.
- 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>

2013

- 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.
- Dykes, B.**, E. Minton, D. Morrison, G. Newman, L. Ryan, and M. W. Morris. 2013. A floristic survey of communities in the Big Creek Watershed, Barbour County, Alabama. *Journal of Alabama Academy of Science* 84:74.

Landers, S. C., A. Nichols, N. K. Barron, **C. A. Schimmer**, **M. D. Schneider**, **J. C. McDonald**, P. M. Stewart and S. Ramroop. 2013. Meiofauna and heavy metals from Gulf of Mexico sampling in 2012. *SE Biology* 60:181.

Landers, S. C., F. A. Romano. III, **C. A. Schimmer**, A. Nichols, D. A. Steffy, P. M. Stewart, S. Ramroop. 2013. Analysis of continental shelf meiofauna in the Northern Gulf of Mexico following the Deepwater Horizon oil spill. Presented at the Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans. Jan 21-23. Conference Abstracts PDF page 75.

2012

Boncek, J., and S. Harden. 2012. "Variations on the Witch of Agnesi", *Illinois Math Teacher*. – Vol. 61, Number 1, pages 20-24, Fall 2012

Browning, J. S., and S. C. Landers, S.C. 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.

Dykes, B., D. Morrison, L. Ryan, and M. W. Morris. 2012. Preliminary results of a floristic survey of communities in the Big Creek Watershed, Barbour County, Alabama. *Journal of Alabama Academy of Science* 83:72-73.

Reategui-Zirena, E. G., P. M. Stewart, J. M. Miller. 2012. Growth rates and age estimations of *Pleurobema strodeanum* and *Fusconaia burkei*, species proposed for listing under the Endangered Species Act. *Southeastern Naturalist* 12(1):161-170.

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.