

Peer-Reviewed Publications (6 in print, 4 in review, 1 in preparation)

In Print

- **D.R. Faust**, M.T. Moore, G.A. Emison, S.A. Rush. Potential implications of approaches to climate change on the Clean Water Rule definition of “Waters of the United States.” *Bulletin of Environmental Contamination and Toxicology* **96**(5): 565-572. DOI 10.1007/s00128-016-1773-z.
- **D.R. Faust**, M.J. Hooper, G.P. Cobb, M. Barnes, D. Shaver, S. Ertolacci, P.N. Smith. 2014. Inorganic elements in green sea turtles (*Chelonia mydas*): Relationships among external and internal tissues. *Environmental Toxicology and Chemistry* **33**(9): 2020-2027.
- **D.R. Faust**, N. Knowles, E. McGruder, D.A. Haukos, G.P. Cobb, J.D. Maul, T.A. Anderson, P.N. Smith. 2012. Inorganic and Organic Contaminants in Sediments from an Urban Playa and Associated Toxicity among *Hyaella azteca*. *Toxicological & Environmental Chemistry* **94**(9): 1746-1757.
- B.H. Baker, R. Kröger, J.D. Prevost, T. Pierce, J.J. Ramirez-Avila, J.M. Prince Czarnecki, **D. Faust**, C. Flora. 2016. A field-scale investigation of nutrient and sediment reduction efficiencies of a low-technology best management practice: Low-grade weirs. *Ecological Engineering* **91**: 240-248.
- B.E. Finch, B.R. Blackwell, **D.R. Faust**, K.J. Wooten, J.D. Maul, S.B. Cox, P.N. Smith. 2013. Effects of 17 α -trenbolone and Melengestrol Acetate on *Xenopus laevis* Larvae Growth, Development and Survival. *Environmental Science and Pollution Research* **20**(2): 1151-1160.
- B.E. Finch, K.J. Wooten, **D.R. Faust**, P.N. Smith. 2012. Embryotoxicity of Mixtures of Weathered Crude Oil Collected from the Gulf of Mexico and Corexit 9500 in Mallard Ducks (*Anas platyrhynchos*). *Science of the Total Environment* **426**: 155-159.

In Review

- **D.R. Faust**, R.J. Kröger, L.E. Miranda, S.A. Rush. Nitrogen removal from agricultural drainage ditch sediments with amendments of organic carbon: Potential for an innovative best management practice. *Water, Air, and Soil Pollution*. Revised manuscript submitted and under review.
- **D.R. Faust**, K.J. Wooten, P.N. Smith. Transfer of phthalates from c-polyvinyl chloride and cross-linked polyethylene pipe into drinking water. *Water Science & Technology*. Revised manuscript submitted.
- **D.R. Faust**, R.J. Kröger, A.R. Omer, J. Hogue, J.M. Prince Czarnecki, B.H. Baker, M.T. Moore, S.A. Rush. Understanding nitrogen and organic carbon contents of agricultural drainage ditches of the Lower Mississippi Alluvial Valley. In Review.
- **D.R. Faust**, R.J. Kröger, J.W. Rogers, R.T. Lacefield, M.S. Cox, S.A. Rush. Investigating organic carbon amendments with low-grade weirs as a best management practice for nitrogen removal in experimental agricultural drainage ditches. *Ecological Engineering*. In Review.

In Preparation

- **D.R. Faust**, B.H. Baker, J.P. Brooks, S.A. Rush. Understanding the role of soil microbial communities on nitrogen removal efficiency in experimental agricultural drainage ditches.

Scientific Presentations (12 oral presentations, 5 poster presentations)

Oral Presentations

- **D.R. Faust**, R. Kröger, L. Miranda, M. Cox, M. Moore, S. Rush. 2016. Optimizing carbon to nitrogen ratios to improve nitrogen removal in agricultural drainage ditches. Mississippi Water Resources Conference 2016. Jackson Hilton, Jackson, MS. April 5, 2016. Oral Presentation.
- **D.R. Faust**, R. Kröger, S. Rush. 2015. Understanding nitrogen and organic carbon contents of agricultural drainage ditches in the Lower Mississippi Alluvial Valley. Society of Wetland Scientists Annual Meeting 2015, Providence, RI. May 31-June 4, 2015. Oral Presentation.
- **D.R. Faust**, R. Kröger. 2014. Effects of organic carbon amendments on nitrogen removal in agricultural drainage ditch sediments. Joint Aquatic Sciences Meeting, Oregon Convention Center, Portland, OR. May 18-23, 2014. Oral Presentation.
- **D.R. Faust**, N. Knowles, E. Magruder, D.A. Haukos, G.P. Cobb, J.D. Maul, T.A. Anderson, P.N. Smith. 2013. Inorganic and Organic Contaminants in Sediments from an Urban Playa and Associated Toxicity among *Hyaella azteca*. 34th Annual North America Society of Environmental Toxicology and Chemistry Meeting. Gaylord Opryland Hotel & Convention Center, Nashville, TN. November 17-21, 2013. **Invited Presentation.**
- **D.R. Faust**, N. Knowles, E. Magruder, D.A. Haukos, G.P. Cobb, J.D. Maul, T.A. Anderson, P.N. Smith. 2012. Inorganic and Organic Contaminants in Sediments from an Urban Playa and Associated Toxicity among *Hyaella azteca*. 2012 West Texas STEM Undergraduate Research Conference. Midland College, Midland, TX. October 5-7, 2012. **Keynote Speaker.**

Poster Presentations

- **D.R. Faust**, M.T. Moore, G.A. Emison, S.A. Rush. 2015. Potential implications of climate change on the proposed “waters of the United States” rule. Society of Wetland Scientists Annual Meeting 2015, Providence, RI. May 31-June 4, 2015. Poster Presentation.
- **D.R. Faust**, L. Cong, P.N. Smith, S.P. Cox, B. Nutter, D. Liang. 2011. Applications of Using Hyperspectral Data for Oil Spill Monitoring and Assessment. 32nd Annual North America Society of Environmental Toxicology and Chemistry Meeting. Hynes Convention Center, Boston, MA. November 13-17, 2011. Poster Presentation.
- **D.R. Faust** and T.E. Murray. 2010. Seasonal changes in a Small Pond in Auburn, PA: A Pre-Restoration Study. Ecological Society of America Mid-Atlantic Meeting. University of Mary Washington, Stafford Campus, Fredericksburg, VA. April 17-18, 2010. Poster Presentation.