

## Curriculum Vitae

### WILLEM MARTIJN ROOSENBERG

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#### ACADEMIC POSITIONS

Professor: Department of Biological Sciences, Ohio University, 2012 – present  
Associate Professor: Department of Biological Sciences, Ohio University, 2001 - 2012  
Adjunct Professor: Voinovich School of Leadership and Public Affairs, Ohio University 2010 - present  
Adjunct Professor: Horn Point Environmental Laboratory, University of Maryland, 2007 - present  
Director: Ohio University Center for Ecology and Evolutionary Studies 2006- 2007  
Visiting Scientist: USGS Patuxent Wildlife Research Center 2003  
Assistant Professor: Department of Biological Sciences, Ohio University, 1995 - 2001  
Postdoctoral Fellow: Department of Biological Sciences, Ohio University, 1994 - 1995  
Visiting Assistant Professor: Department of Biology, Hood College; 1993 - 1994  
Visiting Assistant Professor: Department of Biology, East Carolina University; 1992 - 1993

#### EDUCATION

Ph.D. Biology, University of Pennsylvania, Philadelphia, Pennsylvania; 1992;  
Dissertation Title: Life History Consequences of Nest Site Selection by the Diamondback Terrapin, *Malaclemys Terrapin*. (Arthur E. Dunham, Advisor)  
M.A. Biology, State University College at Buffalo, Buffalo, New York; 1986;  
Thesis Title: The Effect of Interspecific Interaction and Cover on the Thermoregulatory Behavior of Bluegill, *Lepomis macrochirus*, in a Thermally Stressed Environment. (Edward A. Standora, Advisor)  
B.S. Zoology, University of Rhode Island, Kingston, Rhode Island; 1981;

#### GRANTS AND FELLOWSHIPS (\$1,300,000 in external funding to Ohio University)

2018 Army Corps of Engineers (\$58,971) Terrapin Monitoring at Poplar Island (single year)  
2017 Maryland Department of Natural Resources - State Wildlife Grant (\$5,000): Terrapin Demography  
2016-2017 Army Corps of Engineers (\$115,000) Terrapin Monitoring at Poplar Island  
2016-2017 Ohio Department of Transportation (40,000). Timber Rattlesnakes' (*Crotalus horridus*) Use of Man-made Rocky Features Constructed in Roadway Right-of-Ways.  
2015 Maryland Department of Natural Resources - State Wildlife Grant (\$12,693): Head Count Validation, Carcass Disintegration as Bycatch and Juvenile Use of Wrack Line. with Scott Smith.  
2015 Maryland Department of Natural Resources - State Wildlife Grant (\$10,903): Evaluation of Diamondback Terrapin (*Malaclemys t. Terrapin*) Head-starting at Poplar Island Environmental Restoration Project, Talbot County. with Scott Smith.  
2014-2017 Ohio Department of Transportation (\$555,729) Effectiveness of the Wildlife Mitigation Structures on the Nelsonville Bypass – co PI Deb McAvoy, Shawn Kuchta, Ben Sperry  
2014-2015 Army Corps of Engineers (\$105,469) Terrapin Monitoring at Poplar Island  
2013 Army Corps of Engineers (\$49,891) Terrapin Monitoring at Poplar Island  
2012 Ohio University Research Council (\$8,000) Metapopulation Structure of the Diamondback Terrapin in Chesapeake Bay  
2012 Army Corps of Engineers (\$40,891) Terrapin Monitoring at Poplar Island

**GRANTS AND FELLOWSHIPS** (cont.)

- 2012 United States Forest Service (\$20,000) The Energetic Expenditures of the Black Kingsnake (*Lampropeltis getula nigra*) in Habitat Altered by Frequent Prescribed Burning
- 2012-2013 Maryland Department of Natural Resources - State Wildlife Grant (\$10,903): Evaluation of Diamondback Terrapin (*Malaclemys t. terrapin*) Head-starting at Poplar Island Environmental Restoration Project, Talbot County. with Scott Smith.
- 2011 United States Forest Service (\$20,000) The Energetic Expenditures of the Black Kingsnake (*Lampropeltis getula nigra*) in Habitat Altered by Frequent Prescribed Burning
- 2010-2011 Maryland Department of Natural Resources - State Wildlife Grant (\$10,722): Evaluation of Diamondback Terrapin (*Malaclemys t. Terrapin*) Head-starting at Poplar Island Environmental Restoration Project, Talbot County. with Scott Smith.
- 2010-2011 Army Corps of Engineers (\$71,100) Terrapin Monitoring at Poplar Island
- 2010 United States Forest Service (\$25,000) The Energetic Expenditures of the Black Kingsnake (*Lampropeltis getula nigra*) in Habitat Altered by Frequent Prescribed Burning
- 2008 The Nature Conservancy (\$1,300) Effects of Soil on Hatchling Emergence in Diamondback Terrapins (*Malaclemys Terrapin Terrapin*). With Leah Graham
- 2008 Research Committee of the Washington Biologists' Field Club (\$2,500) Hatching Success of Diamondback Terrapins (*Malaclemys Terrapin*) in Relation to Mammalian Exclosure from Nesting Beaches with Lowell Adams.
- 2008 Society for the Study of Amphibians and the American Society of Ichthyologists and Herpetologists. (\$2000). Funding for Symposium: Is management of sustainable harvest of long-lived species possible?
- 2007 Voinovich Center (\$7,000) Mapping river histories in Appalachian Ohio: a case study of the Scioto River with and exploration of geomorphic controls of riverine turtle habitat. with Michael Hughes
- 2007 Maryland Sea Grant, Chelonian Research Foundation, Chesapeake Bay Foundation, Maryland Department of Natural Resources, Ohio University, University of Maryland, and Chesapeake Bay Trust (\$8,311) Funds to Support of the IVth Symposium for the Ecology, Status and Conservation of the Diamondback Terrapin
- 2007-2009 Army Corps of Engineers (\$66,747) Terrapin Monitoring at Poplar Island
- 2007 Research Committee of the Washington Biologists' Field Club (\$2,400) Hatching Success of Diamondback Terrapins (*Malaclemys Terrapin*) in Relation to Mammalian Exclosure from Nesting Beaches with Lowell Adams
- 2006-2010 Ohio University (\$175,000) Ohio Center for Ecology and Evolutionary Studies with S. Reilly
- 2006 Army Corps of Engineers (\$30,000) Terrapin Monitoring at Poplar Island
- 2006-2009 Ohio Department of Natural Resources (\$64,411) Population Ecology of the Ouachita Map Turtle, *Graptemys ouachatusensis* in the Scioto River Basin. with M. White.
- 2005 Army Corps of Engineers (\$24,978) Terrapin Monitoring at Poplar Island
- 2005 Maryland Sea Grant and the Maryland Department of Natural Resources – Development Grant (\$9,702) Determining the Overlap between Critical Terrapin Habitat and Commercial Crab and Eel Pot Fisheries
- 2004 Ohio Department of Natural Resources (\$5,494) Origins of the Ouachita Map Turtle, *Graptemys ouachatusensis* in the Scioto River Basin. with M. White, and K. Blahnick
- 2004 Army Corps of Engineers (\$17,603) Terrapin Monitoring at Poplar Island
- 2003 Army Corps of Engineers (\$24,971) Terrapin Monitoring at Poplar Island
- 2002 Army Corps of Engineers (\$16,927) Terrapin Monitoring at Poplar Island
- 2002 Maryland Sea Grant and the Maryland Department of Natural Resources - Development Grant (\$17,833) Developing a by-catch reduction device for the commercial eel pot fishery to reduce Diamondback Terrapin mortality. With D. Secor
- 2002 The Nature Conservancy (\$3,693) Protecting and restoring Diamondback Terrapins in Chesapeake Bay by evaluating a by-catch reduction device for the commercial eel pot fishery. With Thomas Radzio
- 2000 Trustees of the PEPCO Oil Spill. (\$175,115) Impact of the April 7, 2000 Patuxent River oil spill on Diamondback Terrapin, *Malaclemys Terrapin*, populations. [Declined because of restrictions to publish].
- 1998-1999 Maryland Department of Natural Resources (\$19,221) Catch rates of target and non-target species by peeler bank traps in St. Mary's County, Maryland.
- 1997 Ohio University Research Committee. (\$6856) Environmental and genetic influences on phenotypic plasticity in reproductive energy allocation. With Jim Barron
- 1994 - 1995 Ohio University. (\$27,000) Ohio University Post-doctoral Research Fellowship.
- 1993 National Aquarium in Baltimore (\$7690) Where do female Diamondback Terrapins hatch? With Allan R Place and Jeyasuria Pancharatnam

**GRANTS AND FELLOWSHIPS (cont.)**

- 1990 - 1992 Maryland Department of Natural Resources (\$50,000): Investigation of the Diamondback Terrapin in Chesapeake Bay.
- 1989 Maryland Department of Natural Resources (\$25,000): Investigation of the Diamondback Terrapin in Chesapeake Bay.

**PEER- REVIEWED PUBLICATIONS**

- Accepted: Temple-Miller, K. G., W. M. Roosenburg and M. M. White. Ouachita Map Turtle *Graptemys ouachitensis ouachitensis* (Cagle 1953). In: G. Lipps (ed.) *Reptiles of Ohio*.
- Accepted pending revision: Roosenburg, W. M., K. G. Temple-Miller. Northern Map Turtle *Graptemys geographica* (Cagle 1953). In: G. Lipps (ed.) *Reptiles of Ohio*.
- In Press: Roosenburg, W. M., P. J. Baker, R. Burke, M. E. Dorcas and R. C. Wood. *Malaclemys terrapin* – (Schoepff 1793) Red List Assessment. IUCN Red List Website.
- 2018 Roosenburg W.M. and R. L. Burke. Field Techniques. In: W.M. Roosenburg and V. S. Kennedy (eds.) *Ecology and Conservation of the Diamond-backed Terrapin*. Johns Hopkins University Press.
- 2018 Butler, J. A., R. L. Burke, W. M. Roosenburg. Reproductive Behavior and Ecology. In: W.M. Roosenburg and V. S. Kennedy (eds.) *Ecology and Conservation of the Diamond-backed Terrapin*. Johns Hopkins University Press.
- 2018 Roosenburg, W. M. Habitat restoration and Head-starting. In: W.M. Roosenburg and V. S. Kennedy (eds.) *Ecology and Conservation of the Diamond-backed Terrapin*. Johns Hopkins University Press.
- 2018 Butler, J.A. and W. M. Roosenburg. The future for Diamond-backed terrapins. In: W.M. Roosenburg and V. S. Kennedy (eds.) *Ecology and Conservation of the Diamond-backed Terrapin*. Johns Hopkins University Press.
- 2018 Hormoda, S. J., C. A. F. Howey, M. B. Dickinson R. W. Perry and W. M. Roosenburg. Response of reptile and amphibian communities to the reintroduction of fire in an oak/hickory forest. *Forest Ecology and Management* 428:1-13.
2018. Janzen, F. J., L. A. Hoekstra, R. J. Brooks, D. M. Carroll, J. W. Gibbons, J. L. Greene, J. B. Iverson, J. D. Litzgus, E. D. Michael, S. G. Parren, W. M. Roosenburg, G. F. Strain, J. K. Tucker, G. R. Ultsch. Altered spring phenology of North American freshwater turtles and the importance of representative populations. *Ecology and Evolution* 8:5815-5827.
2017. Howey, C. A. F., M. B. Dickinson, and W. M. Roosenburg. The effects of a landscape disturbance on the habitat use and behavior of the black racer. *Copeia* 104:853-863.
2017. Converse, P. E., S. R. Kuchta, J. S. Hauswaldt and W. M. Roosenburg. Turtle soup, prohibition, and the population structure of Diamondback Terrapins (*Malaclemys terrapin*). *PLOS one* <https://doi.org/10.1371/journal.pone.0181898>
2016. Howey, C. A. F., M. B. Dickinson, and W. M. Roosenburg. Effects of a landscape disturbance on the habitat use and behavior of the black racer. *Copeia* 104:853-863.
- 2015 Converse P. E., S. R. Kuchta, W. M. Roosenburg, P. F. P. Henry, G. M. Haramis, T. L. King. Spatiotemporal analysis of gene flow in Chesapeake Bay Diamondback Terrapins (*Malaclemys terrapin*). *Molecular Ecology*. 24: 5864–5876.
- 2014 Ruhl, N., J.J. Soski, W. M. Roosenburg. Spatial Variation in the Littoral Vertebrate Community of a Reservoir Relative to Physical and Biological Gradients. *PeerJ* 2:e528 <http://dx.doi.org/10.7717/peerj.693>.
- 2014 Ruhl, N., H DeAngelis, A. M. Crosby, W. M. Roosenburg. Applying a reservoir functional-zone paradigm to littoral bluegills: differences in length and catch frequency? *PeerJ* 2:e528 <http://dx.doi.org/10.7717/peerj.528>
- 2014 Roosenburg, W. M., D. M. Spontak, S. P. Sullivan, E. L. Mathews, M. L. Heckman, R. J. Trimbath, R P. Dunn, E. A. Dustman, L. Smith, and L.J. Graham. Nesting Habitat Creation Enhances Recruitment in a Predator Free Environment: *Malaclemys* Nesting at the Paul S. Sarbanes Ecosystem Restoration Project. *Restoration Ecology* 22:814-823.
- 2013 Howey, C. A. F. and W. M. Roosenburg. The effects of prescribed fire on Eastern Box Turtles (*Terrepenne carolina carolina*). *Northeastern Naturalist* 20:493-497.
- 2013 Radzio, T. A., J. C. Smolinsky, and W. M. Roosenburg. Low Use of Required Bycatch Reduction Devices in Recreational Crab Pots Threatens Diamondback Terrapins (*Malaclemys terrapin*). *Herpetological Conservation and Biology* 8:222-227.
- 2013 Böhm, M., B. et al. The conservation status of the world's reptiles. *Biological Conservation*. 157:372-385.

**PEER- REVIEWED PUBLICATIONS (cont.)**

- 2012 Smith, A. D., W. M. Roosenburg, K. G. Temple-Miller, and M. M. White. Intraspecific Phylogeography of *Graptemys ouachitensi*. *Copeia* 2012:301-306.
- 2012 Allman, P. E., A. R. Place, and W. M. Roosenburg. Variation in egg size and lipid provisioning in the wide ranging Diamondback Terrapin, *Malaclemys Terrapin*. *Physiological and Biochemical Zoology* 85:431-441.
- 2012 Howey, C.A.F., and W.M. Roosenburg.. The effects of prescribed burning on the black kingsnake: going beyond the demographic data. *In Proceedings of the 4th Fire in Eastern Oak Forests Conference*. Editors: D.Dey, M. Stambaugh, S. Clark, and C. Schweitzer. Springfield, MO. May 17-19, 2011.
- 2010 Pfau, B. and W. M. Roosenburg. Diamondback Terrapins in Maryland: Research and Conservation. *Radiata* 19:2-35.
- 2009 Holliday, D. K., A. Elskus, and W. M. Roosenburg. Impacts of multiple stressors on growth and metabolic rate of *Malaclemys Terrapin*. *Environmental Toxicology and Chemistry* 28:338-345.
- 2008 Holliday, D. K., A. Elskus, and W. M. Roosenburg. Spatial variation in polycyclic aromatic hydrocarbon concentrations in *Malaclemys Terrapin* eggs from the Patuxent River, Maryland. *Bulletin of Environmental Contamination and Toxicology* 80:119-122.
- 2008 Roosenburg, W. M., J. Cover, and P. P. van Dijk. Legislative closure of the Maryland Terrapin fishery: Perspectives on a historical accomplishment. *Turtle and Tortoise Newsletter* 12:27-30.
- 2005 Radzio, T. A. and W. M. Roosenburg. Diamondback Terrapin mortality in the American eel pot fishery and evaluation of a by-catch reduction device. *Estuaries* 28:620-626.
- 2005 Roosenburg, W. M. and T. Dennis. Egg component comparisons in the Diamondback Terrapin, *Malaclemys Terrapin*. *Copeia* 2005:317-323.
- 2004 Roosenburg, W. M. The impact of crab pot fisheries on the Terrapin, *Malaclemys Terrapin*: Where are we and where do we need to go? In C. Swarth, W. M. Roosenburg and E. Kiviat (eds) *Conservation and Ecology of Turtles of the Mid-Atlantic Region: A Symposium*. Bibliomania, Salt Lake City, UT pages 23-30.
- 2004 Roosenburg, W. M., C. W. Swarth, and E. Kiviat. Introduction. In C. Swarth, W. M. Roosenburg and E. Kiviat (eds) *Conservation and Ecology of Turtles of the Mid-Atlantic Region: A Symposium*. Bibliomania, Salt Lake City UT pages *xiii-x*.
- 2003 Roosenburg, W.M., P. E. Allman, and B. J. Fruh. Diamondback Terrapin nesting on the Poplar Island environmental restoration project. U.S. National Oceanic and Atmospheric Administration. Coastal Services Center. Proceedings of the 13<sup>th</sup> Biennial Coastal Zone Conference, Baltimore, MD, July 13-17. 2003. NOAA/CS/20322-CD. CD-ROM. Charleston, SC: NOAA Coastal Services Center.
- 2002 Miles, D. B., R. Noecker, W. M. Roosenburg, and M. M. White. Genetic relationships among populations of *Sceloporus undulatus* fail to support subspecific designations. *Herpetologica* 58:277-292.
- 2000 Roosenburg, W. M. Hypothesis testing, decision theory and common sense in resource management. *Conservation Biology* 14:1208-1210.
- 2000 Roosenburg, W. M., and J Green. Impact of a by-catch reduction device of Terrapin mortality (*Malaclemys Terrapin*) and Crab (*Callinectes sapidus*) capture in crab pots. *Ecological Applications* 10:882-889.
- 1999 Roosenburg, W. M., K Halley, and S. McGuire. Habitat selection and movements of the Diamondback Terrapin, *Malaclemys Terrapin*, in a Maryland estuary. *Chelonian Conservation and Biology* 3:425-429.
- 1998 Roosenburg, W. M. and P. H. Niewiarowski. Maternal effects and the maintenance of environmental sex determination. In: T. Mousseau and C. Fox (eds.) *Maternal Effects as Adaptations* Oxford University Pages 307-322.
- 1997 Roosenburg, W. M., W. Cresko, M. Modesitte, and M. B. Robbins. Diamondback Terrapin (*Malaclemys Terrapin*) mortality in crab pots. *Conservation Biology* 5:1166-1172.
- 1997 Roosenburg, W. M. and A. E. Dunham. Allocation of Reproductive output: Egg and clutch size variation in the Diamondback Terrapin, *Malaclemys Terrapin*. *Copeia* 1997:290-297.
- 1996 Roosenburg, W. M. Maternal condition and nest site choice: An alternative for the maintenance of environmental sex determination? *The American Zoologist* 36:157-168.
- 1996 Roosenburg, W. M. and K. C. Kelley. Differential effects of egg size on male and female growth in the Diamondback Terrapin, *Malaclemys Terrapin*. *Journal of Herpetology* 30:198-204.
- 1995 Roosenburg, W. M. and A. R. Place. Nest predation and hatchling sex ratio in the Diamondback Terrapin: Implications for management and conservation. *Towards a Sustainable Coastal Watershed: The Chesapeake Experiment, Proceedings of a Conference*. Chesapeake Research Consortium Pub. No 149. Solomons, MD. pp. 65-70.

**PEER- REVIEWED PUBLICATIONS (cont.)**

- 1994 Jeyasuria, P., W. M. Roosenburg, and A. R. Place. The role of P-450 aromatase in environmental sex determination in the Diamondback Terrapin, *Malaclemys Terrapin*. *Journal of Experimental Zoology* 270:95-111.
- 1994 Roosenburg, W. M. Nesting habitat requirements of the Diamondback Terrapin: a geographic comparison. *Wetland Journal* 6(2):8-11.
- 1993 Niewiarowski, P. E. and W. M. Roosenburg. Reciprocal transplant reveals sources of variation in growth rates of the lizard, *Sceloporus undulatus*. *Ecology* 74:1992-2002.
- 1991 Roosenburg, W. M. The Diamondback Terrapin: Habitat requirements, population dynamics, and opportunities for conservation. *New Perspectives in the Chesapeake System: A Research and Management and Partnership. Proceedings of a Conference*. Chesapeake Research Consortium Pub. No 137. Solomons, Md. pp. 237 - 234.
- 1989 Roosenburg, W. M., J. R. Spotila, J. M. Aho, T. A. Tuel, E. A. Standora, and H. W. Avery. Population response to stress: population structure and movement of largemouth bass in a nuclear reactor cooling reservoir. In: R. R. Sharitz and J. W. Gibbons (eds.) *Freshwater Wetlands and Wildlife*. CONF-8603101 pp. 567 - 582.

**BOOKS**

- 2018 Roosenburg, W.M. and V. S. Kennedy (eds.) *Ecology and Conservation of the Diamond-backed Terrapin*. Johns Hopkins University Press.
- 2004 Swarth, C. W., W. M. Roosenburg and E. Kiviat (eds) *Conservation and Ecology of Turtles of the Mid Atlantic Region: A Symposium*. Proceedings of the Mid-Atlantic Turtle Symposium. Bibliomania Salt Lake City, UT

**CONSERVATION ACTIVITIES AND POLICY INFLUENCE**

- 2018 – I participated in the Tri-national trade and enforcement training workshop to support the legal and sustainable trade in turtles/tortoises. 24-26 October 2018, Miami Florida. The goal of this workshop sponsored by the Commission for Environmental Cooperation was to explore the possibility developing a sustainable commercial trade for sensitive turtle species in North America. This undertaking was part of the North American Free Trade Agreement (NAFTA) exploring potential trade of natural resources.
- 2010 - 2011 - I was the lead Scientist developing a Natural Resource Damage Assessment initiative for Diamondback Terrapins for the BP Deepwater Horizon Oil Spill. My expertise was sought because previous experience with oil spills and my knowledge of terrapins. BP declined to fund the work.
- 2010 - Because of my success and expertise in terrapin conservation I was invited to the United States Fish and Wildlife Service Workshop on the Trade and Conservation of Turtles to help develop a national strategy for the successful management of turtle populations throughout the range. I was one of a handful of scientists invited to participate and present at this meeting.
- 2007 - I testified before the Maryland General Assembly and my population data was instrumental in providing solid scientific evidence that led to passing the bill that permanently closed Maryland's commercial terrapin harvest. My analysis of the Patuxent River terrapin population and the trend of this declining population demonstrated that commercial harvest of terrapins was unsustainable.
- 2006 - Based on the population data I collected for the Patuxent River Terrapin population wherein I demonstrated a decline in terrapin population size and a vulnerability to adult mortality, MD-DNR adopted a regulation that established a slot-limit for the commercial harvest of Diamondback Terrapins. The goal of my initiative was to close the fishery but ended in a political compromise to protect larger size classes of adult females that would otherwise have remained vulnerable.
- 1999 - Based on the results published in Roosenburg and Green (2000) the MD-DNR passed a regulation that required a Bycatch Reduction Device (BRD) in the recreational crab pot fishery. I worked with resources managers in Maryland to revise the regulations and develop scientifically-based arguments used in public hearings to justify the regulatory changes.
- 1992 - Based on results published in Roosenburg (1991) MD-DNR adopted regulations that closed the commercial harvest of Diamondback Terrapins during the nesting season. My data indicated that concentrated trapping effort near nesting areas could rapidly and dramatically reduced local population size through reduction of brood stock.

**TECHNICAL REPORTS**

- 2018 Hopkins, C. B, J. S. Johnson, S. R. Kuchta, D. S. McAvoy, V. D. Popescu, S. C. Porter, W. M. Roosenburg, G. P. Sisson, B. R. Sperry, M. T. Trainer, R. L. Wiley. Effectiveness of wildlife mitigation treatments along the Nelsonville Bypass. Ohio Department of Transportation <http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/16796>. pp. 239.
- 2018 Roosenburg, W. M., and A. F. Tokash. Terrapin monitoring on the Paul S. Sarbanes Ecosystem Restoration Project at Poplar Island 2016. Final Report submitted to the Army Corps of Engineers. Baltimore District pp. 71.
- 2017 Roosenburg, W. M., A. F. Tokash, and M Ernsberger. Terrapin monitoring on the Paul S. Sarbanes Ecosystem Restoration Project at Poplar Island 2015. Final Report submitted to the Army Corps of Engineers. Baltimore District pp. 57.
- 2016 Roosenburg, W. M., S. Kitson, R. Harding and A. F. Tokash. Terrapin monitoring on Poplar Island 2014. Final Report submitted to the Army Corps of Engineers. Baltimore District
- 2015 Roosenburg, W. M. S. Kitson, B. Clowes and P. C. Converse. Terrapin monitoring on Poplar Island 2013. Final Report submitted to the Army Corps of Engineers. Baltimore District. pp.72
- 2014 Roosenburg, W. M. P. C. Converse, C. St. Andre, and B. Clowes. Terrapin monitoring on Poplar Island 2012. Final Report submitted to the Army Corps of Engineers. Baltimore District. pp.72.
- 2013 Roosenburg, W. M. P. C. Converse, and L. Smith. Terrapin monitoring on Poplar Island 2011. Final Report submitted to the Army Corps of Engineers. Baltimore District. pp.72.
- 2012 Roosenburg, W. M., E. Dustman, and N. Smeenck. Terrapin monitoring on Poplar Island 2010. Final Report submitted to the Army Corps of Engineers. Baltimore District. pp.67.
- 2010 Roosenburg, W. M., M. W. White, K. Temple-Miller and A Smith-Brown. Population Ecology of the Ouachita Map Turtle, *Graptemys ouachitensis* in the Scioto River Basin. Final Report Ohio Division of Wildlife, Wildlife Diversity Grants Program. pp 9 plus appendices
- 2010 Roosenburg, W. M., and R. Trimbath. Terrapin monitoring on Poplar Island 2008. Final Report submitted to the Army Corps of Engineers. Baltimore District. pp.68.
- 2009 Roosenburg, W. M., L. Graham, and M. L. Heckman. Terrapin monitoring on Poplar Island 2007. Final Report submitted to the Army Corps of Engineers. Baltimore District. pp.69.
- 2008 Roosenburg, W. M. Final report for the IVth symposium on the ecology, status and conservation for the Diamondback Terrapin. [http://www.dtwg.org/Workshops/Final\\_Report2007\\_Workshop.pdf](http://www.dtwg.org/Workshops/Final_Report2007_Workshop.pdf). pp.36
- 2007 Roosenburg, W. M., L. Graham, and E. Matthews. Terrapin monitoring on Poplar Island 2006. Final Report submitted to the Army Corps of Engineers. Baltimore District. pp.48.
- 2006 Roosenburg, W. M., and S. Sullivan. Terrapin monitoring on Poplar Island 2005. Final Report submitted to the Army Corps of Engineers. Baltimore District. pp.67.
- 2005 Roosenburg, W. M., T. Radzio, and D. Spontak Terrapin monitoring on Poplar Island 2004. Final Report submitted to the Army Corps of Engineers. Baltimore District. pp.54.
- 2004 Roosenburg, W. M., T. A Radzio, and P. E. Allman. Terrapin monitoring on Poplar Island 2003. Final Report submitted to the Army Corps of Engineers. Baltimore District. pp.26.
- 2003 Radzio, T. A., and W. M. Roosenburg,. Diamondback Terrapin mortality in eel pots and evaluation of a by-catch reduction device. Final Report - Maryland Sea Grant, College Park, MD pp. 19
- 2003 Roosenburg, W.M., and P. E. Allman. Terrapin Monitoring at Poplar Island, Final Report Submitted to the Army Corps of Engineers, Baltimore Office, Baltimore, MD pp. 13.
- 1999 Roosenburg, W. M. Catch rate survey and experimental by-catch reduction of peeler bank traps in St. Mary's County Maryland. Maryland Department of Natural Resources, Tidal Fisheries Publications Technical Report No. 24, Annapolis, MD, pp. 25.
- 1993 Roosenburg, W. M. Final Report: The Chesapeake Diamondback Terrapin investigations, 1992. Chesapeake Research Consortium Pub. No 146. Solomons Md. pp. 59.
- 1991 Roosenburg, W. M. Final Report: The Chesapeake Diamondback Terrapin investigations, 1991. Chesapeake Research Consortium Pub. No 140. Solomons Md. pp. 58.
- 1990 Roosenburg, W. M. Final Report: The Chesapeake Diamondback Terrapin investigations for the period 1987, 1988, 1989. Chesapeake Research Consortium Pub. No 133. Solomons Md. pp. 84.

**POPULAR PRESS**

- 2000 Roosenburg, W. M. Diamonds in the rough: Diamondback Terrapins in peril. Reptilia 23:34-38.

**PUBLISHED ABSTRACTS**

- 2018 Croghan, J. A., W.M. Roosenburg, S.H. Williams. Inter-Versus Intraspecific Variation in Testudine Crania using a Population of Diamondback Terrapins (*Malaclemys terrapin*). Integrative and Comparative Biology, 58:299.
- 2017 Howey, C. A. F. and W. M. Roosenburg. Effect of temperature on snake locomotion and the interpretation of thermal performance curves. Integrative and Comparative Biology, 57:297.
- 2016 Hopkins, C.H., S. R. Kuchta, and W. M. Roosenburg. Amphibians on the road: potential impacts of roadway mortality and ecopassage on populations along a two-lane highway. Integrative and Comparative Biology, 56:303.
- 2016 Kitson, S. R. and W. M. Roosenburg. Performance of *Malaclemys terrapin* hatchlings: variations in seasonal performance Integrative and Comparative Biology, 56:316.
- 2013 Howey, C. A. F. and W. M. Roosenburg. Effect of prescribed fire on reptile and landscape abundance. Integrative and Comparative Biology, 53:96.
- 2010 Howey, C. A. F. and W. M. Roosenburg. The Effects of Prescribed Burning on Reptile Movement Rates and Energy Expenditures. Integrative and Comparative Biology 50:245.
- 2009 Coleman, A. T., W. M. Roosenburg, T. Wibbels, K. Marion, D. Nelson, J. Borden. Geographic and seasonal variation of reproductive steroids in the Diamondback Terrapin, *Malaclemys Terrapin*. Integrative and Comparative Biology 49:E215.
- 2005 Allman, P.E, W. M. Roosenburg, and R. Bowden. Egg size and yolk hormone levels in the Diamondback Terrapin across a latitudinal gradient. Integrative and Comparative Biology 45:1104.
- 2004 Allman, P.E, W. M. Roosenburg. Intraspecific variation in reproductive strategies of a wide ranging turtle. Integrative and Comparative Biology 44:673.
- 2003 Allman, P.E., A. Place, and W. M. Roosenburg. Sex differentiation in three populations of *Malaclemys Terrapin*: a turtle with temperature-dependent sex determination. Integrative and Comparative Biology 43:806
- 1997 Moon, C. M., A. R. Biknevičius, and W. M. Roosenburg. Force plate analysis of terrestrial gate in turtles. Journal of Morphology 232:298.
- 1995 Roosenburg, W. M. and C. Johnson. Incubation temperature influences growth in juvenile turtles hormonally-manipulated during development. American Zoologist. 35:89A.
- 1995 Paez, V. P., B. C. Bock, N. F. Perez B. and W. M. Roosenburg. Pre- and post-hatchling factors affecting captive juvenile growth rates in the yellow-spotted Amazonian turtle, *Podocnemis unifilis*. American Zoologist 35:90A.
- 1993 Roosenburg, W. M. Differential maternal effects for male and female Diamondback Terrapins: an ecological advantage for ESD. American Zoologist 33:59A.
- 1990 Roosenburg, W. M. and K. C. Kelley. Effect of incubation temperature on growth and sexual development in turtles. American Zoologist 30:56A.

**INVITED TALKS**

- 2018 The Wildlife Society, Cleveland Ohio. Empirically assessing head-starting as a conservation tool for freshwater turtles with D. Jenkins, A. R. Tokarh, N. Smeenk and P. Converse.
- 2018 Commission for Environmental Cooperation, Miami, Florida. A tale of two populations: Can diamondback terrapins be sustainably harvested?
- 2017 Ohio Forest Summit. Jackson, Ohio. Habitat use by timber rattlesnakes (*Crotalus horridus*): forests and more.
- 2016 The Ohio Transportation Engineering Conference, Columbus, Ohio. The Rocks Are Warmer on the Other Side of the Fence [Use of Roadside Habitats by Timber Rattlesnakes (*Crotalus horridus*)]. Coauthors: Sisson, G.P., S.R. Kuchta and W.M. Roosenburg.
- 2016 Ohio Transportation Engineering Conference. Columbus, Ohio. Effectiveness of Wildlife Mitigation Treatments on the Nelsonville Bypass – Amphibians. with C.B. Hopkins, S.R. Kuchta, W.M. Roosenburg.
- 2014 Ohio Wesleyan University – Demography, Halfway technologies, and the Triumphs of Terrapin Conservation
- 2013 University of Maryland – Horn Point Laboratory – Nesting ecology of the diamondback terrapin.
- 2012 University of Alabama at Birmingham. Digging diamonds from the sand: natural history and ecology of the Diamondback Terrapin
- 2012 US Forest Delaware Forestry Science Laboratory. Fire Effects on Reptiles, Their Landscape, and Habitat Use. With C. Howey and M. Dickinson, presented by C. Howey.

**INVITED TALKS (cont.)**

- 2012 4<sup>th</sup> Annual Kentucky Prescribed Fire Council Meeting. Fire Effects on Reptiles, Their Landscape, and Habitat. With C. Howey and M. Dickinson, presented by C. Howey.
- 2012 Fire and Forest Management Impacts on Timber Rattlesnakes and Their Surrogates Council. Fire Effects on Snake Habitat in Kentucky Forests. With C. Howey and M. Dickinson, presented by C. Howey.
- 2011 National Aquarium in Baltimore. Digging diamonds from the sand: natural history and ecology of the Diamondback Terrapin
- 2010 United States Fish and Wildlife Service Workshop on the Trade and Conservation of Turtles. The history of commercial exploitation of the Diamondback Terrapin (*Malaclemys Terrapin*): Lessons for turtle conservation.
- 2010 Joint Meeting of the American Society of Ichthyologist and Herpetologists, the Herpetologist's League and the Society for the Study of Amphibians and Reptiles. Symposium on Headstarting Turtles. Comparison of Head-start and Wild Release Hatchlings from the Poplar Island Environmental Restoration Project. with N. Smeenk.
- 2010 Ohio Reptile Conference. Habitat use by Map Turtles in the Scioto River. With K. Temple-Miller, C. Howey, and M. White.
- 2009 Smithsonian Environmental Research Center. Digging diamonds from the sand: natural history and ecology of the Diamondback Terrapin
- 2006 Conference on the Reptiles of Ohio, Columbus OH. Origins of the Ouachita Map Turtle, *Graptemys ouachataensis* in the Scioto River Basin. with M. White, and K. Blahnick.
- 2005 Drexel University, Philadelphia, PA. Why be small and cool vs. big and hot: Terrapin egg size, nest site choice and hatchling energetics.
- 2005 Fifth World Congress of Herpetology. Stellenbosch, South Africa. Latitudinal variation in sex ratio in a turtle with TSD. With P.E. Allman.
- 2003 Coastal Zone Management Meeting, Baltimore MD. Diamondback Terrapin nesting on the Poplar Island environmental restoration project. With P. Allman, and B. Fruh.
- 2002 USGS Workshop for Diamondback Terrapins. United States Fish and Wildlife Service, Annapolis, MD. Population biology and conservation of the Diamondback Terrapin.
- 2001 Eastern Illinois University, Charleston, IL. Population biology and conservation of the Diamondback Terrapin.
- 2001 Philadelphia Academy of Sciences, Center for Estuarine Studies. St. Leonard, MD. Population biology and conservation of the Diamondback Terrapin.
- 2000 Duke University Marine Laboratory, Beaufort, NC. Population structure and dynamics of the Diamondback Terrapin, *Malaclemys Terrapin*.
- 1999 Annual Meeting of the Mid-Atlantic Turtle and Tortoise Society, Annapolis MD. The ecology and natural history of the Diamondback Terrapin
- 1996 Annual Meeting of the Society for the Study Evolution, Symposium Maternal Effects as Adaptations. St. Louis, MO. Maternal effects and the maintenance of environmental sex determination. With P. H. Niewiarowski
- 1995 Ohio University, Department of Biological Sciences. Athens , OH. Maternal effects as mechanism to maintain environmental sex determination in the Diamondback Terrapin.
- 1995 University of Akron, Department of Biology. Akron, OH. Maternal effects as mechanism to maintain environmental sex determination in the Diamondback Terrapin.
- 1994 University of Rhode Island. Kingston, RI. The ecological consequences of nest site choice in the Diamondback Terrapin.
- 1994 Annual Meeting of Herpetologists' League and the Society for the Study of Amphibians and Reptiles. Athens, GA. Symposium on the effect of inter-individual variation on life histories and population dynamics. The effect of egg size on inter-individual variation in the Diamondback Terrapin.
- 1993 Annual Meeting of the American Society of Zoologists. Los Angeles, CA. Symposium on "Maternal effects on early life history, their persistence, and influence on organismal ecology". Differential maternal effects for male and female Diamondback Terrapins: An ecological advantage for environmental sex determination?
- 1991 Leonard Betz Symposium on Reptilian Eggs. Drexel University, Philadelphia, PA. Effects of egg size and environmental sex determination on growth.

**CONTRIBUTED PRESENTATIONS**

- 2018 8<sup>th</sup> Annual Ohio University/John Carroll University Herpetology Symposium. John Carroll University, Cleveland, OH. "How to build a better ecopassage: evaluating amphibian use and preference of various ecopassage designs." Poster with: Hopkins, C. B., S. R. Kuchta.
- 2018 The Wildlife Society's 25<sup>th</sup> Annual Conference. Cleveland, OH. "How to build a better ecopassage: evaluating amphibian use and preference of various ecopassage designs." Talk with: Hopkins, C. B., S. R. Kuchta.
- 2018 Ohio Transportation Engineering Conference. Columbus, OH. "How to build a better ecopassage: evaluating amphibian use and preference of various ecopassage designs." Poster with: Hopkins, C. B., S. R. Kuchta.
- 2018 Ohio Transportation Engineering Conference. Columbus, OH. "Evaluating effectiveness of an amphibian barrier-ecopassage mitigation structure and designing an improved structure." Poster with: Hopkins, C. B., K. E. Harman, & S. R. Kuchta.
- 2018 Northeastern Transportation and Wildlife Conference. Amherst, MA. "How to build a better ecopassage: evaluating amphibian use and preference of various ecopassage designs." Talk: Hopkins, C. B., S. R. Kuchta.
- 2018 Meeting of Ichthyologists and Herpetologists. Rochester, NY. "How to build a better ecopassage: evaluating amphibian use and preference of various ecopassage designs." Talk with: Hopkins, C. B., S. R. Kuchta.
- 2018 Marietta Natural History Society. Marietta College, Marietta, OH. "How to build a better ecopassage: evaluating amphibian use and preference of various ecopassage designs." Talk with: Hopkins, C. B., S. R. Kuchta, & W. M. Roosenburg.
- 2018 Ohio University Student Research and Creative Activity Expo. Ohio University, Athens, OH. "How to build a better ecopassage: evaluating amphibian use and preference of various ecopassage designs." Poster with: Hopkins, C. B., S. R. Kuchta. (First place in group: \$150).
- 2018 Ohio Partners in Amphibian and Reptile Conservation Annual Meeting. Columbus, OH. "How to build a better ecopassage: evaluating amphibian use and preference of various ecopassage designs." Poster with: Hopkins, C. B., S. R. Kuchta.
- 2018 Ohio University Student Research Expo, Athens, OH. Do non-invasive tagging events induce stress in long-finned pilot whales (*Globicephala melas*)? Poster with: S.C. Cones, L. Sayigh.
- 2018 The John Carroll University / Ohio University Herpetology Symposium, Cleveland, Ohio. Somatic growth in head-started Diamond-backed Terrapins and their wild counterparts. Poster with: , A.T. Tokash.
- 2018 Annual Meeting for the Society of Integrative and Comparative Biology, San Francisco, California. Within and among year variation in reproductive output from two populations of the Diamond-backed Terrapin, *Malaclemys terrapin*. Talk with: A.T. Tokash.
- 2018 Ohio Natural History Conference. Cleveland, OH. "Amphibian Roadway Crossing Behavior and Implications for Population Persistence." Poster with: Hopkins, C. B., S. R. Kuchta.
- 2018 58<sup>th</sup> Ohio Wildlife Conference. Columbus, OH. "Assessment of an amphibian mitigation structure along a two-lane highway." Talk: Hopkins, C. B., S. R. Kuchta, & W. M. Roosenburg.
- 2017 The Wildlife Society Conference. Albuquerque, New Mexico. The Rocky Reality of Roadways and Rattlesnakes. Talk with: Sisson, G.P., S.R. Kuchta.
- 2017 Wayne National Forest Athens Unit Headquarters, Ohio. Timber Rattlesnakes (*Crotalus horridus*) in a Road Fragmented Forest. Sisson, G.P., S. Cones. Talk with: S.R. Kuchta,
- 2017 Ohio Fish & Wildlife Management Association Conference. Columbus, Ohio. Timber Rattlesnakes (*Crotalus horridus*) in a Road-Fragmented Landscape. Talk with: G.P. Sisson, S.R. Kuchta,
- 2017 Ohio University Student Research Expo. Athens, Ohio. Wayne National Forest Trail System Leads to Greater Potential for Human-Rattlesnake Interactions. With Cones, S.F., G.P. Sisson.
- 2017 7<sup>th</sup> Annual Ohio University/John Carroll University Herpetology Symposium. Athens, Ohio. "Experimenting with ecopassage design to improve amphibian roadway mitigation structures." Talk with: Hopkins, C. B., S. R. Kuchta.
- 2017 Society for Integrative and Comparative Biology Midwest Regional Meeting. Akron, OH. "What happened to the amphibian that crossed the road?" Talk with: Hopkins, C. B., S. R. Kuchta.
- 2017 Ohio Transportation Engineering Conference. Columbus, Ohio. "Assessment of an amphibian mitigation structure along a two-lane highway." Poster with: Hopkins, C. B., S. R. Kuchta.
- 2017 Midwest Partners in Amphibian and Reptile Conservation Annual Meeting. Bradford Woods, Martinsville, IN. "Amphibians hit the road: assessing roadway mortality and ecopassage utilization along a two-lane highway." Poster with: Hopkins, C. B., S. R. Kuchta.
- 2017 New York State Association of Transportation Engineers 77<sup>th</sup> Annual Conference. Buffalo, New York. "Amphibians hit the road: assessing roadway mortality and ecopassage utilization along a two-lane highway." Invited talk with: Hopkins, C. B., S. R. Kuchta.

**CONTRIBUTED PRESENTATIONS** (cont.)

- 2017 Ohio University Student Research and Creative Activity Expo. Ohio University, Athens, OH. "Amphibian roadway crossing behavior and implications for population persistence." Poster with: Hopkins, C. B., S. R. Kuchta. (Second place in group: \$100, and Second place for OCEES: \$200).
- 2017 Ohio Natural History Conference. Columbus, Ohio. "Assessing roadway mortality and ecopassage utilization along a two-lane highway." Invited talk with: Hopkins, C. B., S. R. Kuchta.
- 2016 6<sup>th</sup> Annual John Carroll University and Ohio University Herpetology Symposium. John Carroll University. Amphibian road crossing behavior. Talk with: Hopkins, C.B., S.R. Kuchta
- 2016 Innovative Environmental Monitoring Technology Symposium. Athens, Ohio. Using break-beam sensors to trigger camera traps in ecopassages. Talk with: Hopkins, C.B., S.R. Kuchta.
- 2016 7<sup>th</sup> Biennial Northeastern Transportation and Wildlife Conference. Lake Placid, NY. Amphibians Hit the Road: Assessing Roadway Mortality and Ecopassage Utilization along a Two-lane Highway. Talk with: Hopkins, C.B., S.R. Kuchta.
- 2016 Joint Meeting of Ichthyologists and Herpetologists. New Orleans, Louisiana. Amphibians hit the road: assessing roadway mortality and ecopassage utilization along a two-lane highway. Talk with: Hopkins, C.B., S.R. Kuchta.
- 2016 Ohio Amphibian Research and Conservation Conference. Columbus, Ohio. Amphibians on the road: potential impacts of roadway mortality and ecopassage utilization on amphibian populations along a two-lane highway. Talk with: Hopkins, C.B., S.R. Kuchta, & W.M. Roosenburg.
- 2016 Society of Integrative and Comparative Biology Annual Conference. Portland, OR. Amphibians on the road: potential impacts of roadway mortality and ecopassage utilization on populations along a two-lane highway. Poster with: Hopkins, C.B., S.R. Kuchta.
- 2016 John Carroll University-Ohio University Herpetology Symposium, Cleveland, Ohio, The Rocks Are Hotter on the Other Side of the Fence [Use of Roadside Habitats by Timber Rattlesnakes (*Crotalus horridus*)]. Ohio. Talk with: Sisson, G.P., S.R. Kuchta.
- 2016 The Rocks Are Warmer on the Other Side of the Fence [Use of Roadside Habitats by Timber Rattlesnakes (*Crotalus horridus*)]. The Ohio Transportation Engineering Conference, Columbus, Ohio. Talk with: Sisson, G.P., S.R. Kuchta.
- 2016 Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA. The Rocks Are Hotter on the Other Side of the Fence: use of roadside habitats by Timber Rattlesnakes (*Crotalus horridus*). Talk with: Sisson, G.P., S.R. Kuchta.
- 2016 7<sup>th</sup> Symposium on the Ecology, Status, and Conservation of the Diamondback Terrapin, Fairhope, Alabama. Within and among year variation in reproductive output from two populations of the Diamond-backed Terrapin, *Malaclemys terrapin*. Poster with: A. Tokash and W. Roosenburg. (2<sup>nd</sup> Place - Graduate Poster)
- 2016 7<sup>th</sup> Symposium on the Ecology, Status, and Conservation of the Diamondback, Fairhope, Alabama. Terrapin. Decomposition rates of Diamondback Terrapins (*Malaclemys terrapin*) in crab pots. Poster with: O. Brooks, A. Tokash. (1<sup>st</sup> Place – Undergraduate Poster)
2016. 7<sup>th</sup> Symposium on the Ecology, Status, and Conservation of the Diamondback Terrapin Fairhope, Alabama. Terrapin restoration at Poplar Island, a Model for Population rehabilitation.
- 2016 John Carroll University / Ohio University Herpetology Symposium, University Heights, Ohio. Decomposition rates of Diamondback Terrapins (*Malaclemys terrapin*) in crab pots. Poster with: O. Brooks, A. Tokash.
- 2016 John Carroll University / Ohio University Herpetology Symposium, University Heights, Ohio. Within and among year variation in reproductive output from two populations of the Diamond-backed Terrapin, *Malaclemys terrapin*. Poster with: A. Tokash.
- 2016 Society for Integrative and Comparative Biology, New Orleans, Louisiana. .Effect of Temperature on Snake Locomotion and the Interpretation of Thermal Performance Curves. Talk with: C. Howey
- 2016 Society for Integrative and Comparative Biology. Portland, OR. *Malaclemys terrapin* Hatchlings: Variations in Seasonal Emergence.. Poster with: S.R. Kitson.
- 2015 Ecological Society of America Annual Meeting. Baltimore MD. Ecological effects of a disturbance event on the black racer (*Coluber constrictor*) habitat use, thermoregulation, and energetic expenditures. Talk with: Howey, C.A.F., and M.B. Dickinson.
2015. Society for the Study of Amphibians and Reptiles Annual Meeting Lawrence, KS. Thermal preference, performance, and kinematics of the black racer. Poster with Howey, C.A.F., and M.B. Dickinson.
- 2015 John Carroll University and Ohio University Herpetology Symposium. Athens, OH. Surveying impacts of a two-lane highway on amphibians. with S. R. Kuchta and C. Hopkins, Poster by C. Hopkins

**CONTRIBUTED PRESENTATIONS** (cont.)

- 2015 John Carroll University and Ohio University Herpetology Symposium. Athens, OH. 'Within and among year variation in reproductive output from two populations of the Diamondback Terrapin, *Malaclemys terrapin*' with A. Tokash, Poster by A. Tokash.
- 2015 John Carroll University and Ohio University Herpetology Symposium. Athens, OH. Human mediated gene flow and coastal population genetic structure of Diamondback Terrapins, *Malaclemys terrapin*. With Converse P.E., S.R. Kuchta, J.S. Hauswaldt. Poster by Converse
- 2014 Joint Meeting of the American Society of Ichthyologist and Herpetologists, the Herpetologist's League and the Society for the Study of Amphibians and Reptiles Chattanooga TN. Performance of *Malaclemys terrapin* Hatchlings: Variation in Seasonal Emergence and Preliminary Investigation into Hatchling Environmental Preference. Poster with S. Kitson.
- 2014 Joint Meeting of the American Society of Ichthyologist and Herpetologists, the Herpetologist's League and the Society for the Study of Amphibians and Reptiles Chattanooga TN. Thermoregulation and Energy Expenditures of Black Racers (*Coluber constrictor*) in Thermally Contrasting, Burned and Unburned Landscapes. Presented by C. Howey with M Dickinson
- 2013 The 6<sup>th</sup> Symposium on the Ecology, Status and Conservation of the Diamondback Terrapin. Kiawah, SC. Is headstarting the turtle conservation panacea everyone wants it to be?
- 2013 The Wildlife Society Annual Meeting. Milwaukee, WI. Ecological ramifications of prescribed fire on the Black Racer (*Coluber constrictor*). With C. Howey. and M.B. Dickinson, Presented by C. Howey.
- 2013 Austin Peay University, Clarksville, TN. Habitat use, movement rates, and energetic expenditures of Black Racer (*Coluber constrictor*) in burned and unburned landscapes. With C. Howey. and M.B. Dickinson, Presented by C. Howey.
- 2013 Society for Integrative and Comparative Biology. San Francisco, CA The effects of prescribed burning on the landscape and reptile abundance. with C. Howey and M.B. Dickinson, Presented by C. Howey.
- 2013 International Sea turtle Symposium. Baltimore, MD. Is headstarting the turtle conservation panacea everyone wants it to be?
- 2012 World Congress of Herpetology. Vancouver, British Columbia. Should I stay or should I go: Facultative nest emergence in the diamondback terrapin.
- 2012 World Congress of Herpetology. Vancouver, British Columbia. The Effects of Prescribed Burning on the Thermal Landscape. Poster with C. Howey.
- 2011 Joint Meeting of the American Society of Ichthyologist and Herpetologists, the Herpetologist's League and the Society for the Study of Amphibians and Reptiles. The effects of prescribed burning on the Black Kingsnake (*Lampropeltis nigra*): going beyond demographic data. Poster with Chris Howey.
- 2010 Maryland Department of Natural Resources. Preliminary Analysis of the effectiveness of headstarting at the Poplar Island Environmental restoration Project. With N. Smeenk.
- 2010 The 5<sup>th</sup> Symposium on the Ecology, Status and Conservation of the Diamondback Terrapin. Should I stay or should I go: the ecology of Terrapin hatchling emergence.
- 2010 Turtle Survival Alliance Symposium. Comparison of Head-start and Wild Release Hatchlings from the Poplar Island Environmental Restoration Project, with N. Smeenk, presented by N. Smeek.
- 2010 Joint Meeting of the American Society of Ichthyologist and Herpetologists, the Herpetologist's League and the Society for the Study of Amphibians and Reptiles. The Energetic Expenditures of the Black Kingsnake (*Lampropeltis getula nigra*) in Habitat Altered by Frequent Prescribed Burning, with C. Howey and M. Dickinson.
- 2009 Annual Meeting of the Society for Integrative and Comparative Zoology, Geographic and seasonal variation of reproductive steroids in the Diamondback Terrapin, *Malaclemys Terrapin*. With A. T. Coleman, T. Wibbels, K. Marion, D. Nelson, J. Borden. Presented by A. Coleman.
- 2009 Turtle Survival Alliance Symposium. Variation in musk turtle (*Sternotherus odoratus*) size and catch frequency within a small reservoir. With N. Ruhl, D. Braun, and W. J. S. Currie. Presented by N. Ruhl
- 2009 Midwest Ecology and Evolution Conference Variation in musk turtle (*Sternotherus odoratus*) size and catch frequency within a small reservoir. With N. Ruhl, D. Braun and W. J. S. Currie. Presented by N. Ruhl
- 2008 International Sea Turtle Symposium, Loreto, Mexico. Geographic and seasonal variation of testosterone in the Diamondback Terrapin (*Malaclemys Terrapin*). Poster with A. T. Coleman, T. Wibbels, K. Marion, D. Nelson, J. Borden.
- 2008 Joint Meeting of the American Society of Ichthyologist and Herpetologists, the Herpetologist's League and the Society for the Study of Amphibians and Reptiles. Montreal, Ontario. Comparison of feasible demography and MSY models and their predictions for Terrapin management. With L. Fegly.

**CONTRIBUTED PRESENTATIONS (cont.)**

- 2008 Joint Meeting of the American Society of Ichthyologist and Herpetologists, the Herpetologist's League and the Society for the Study of Amphibians and Reptiles. Montreal, Ontario. Introduction to the Symposium: Is management of sustainable harvest of long-lived species possible?
- 2008 Joint Meeting of the American Society of Ichthyologist and Herpetologists, the Herpetologist's League and the Society for the Study of Amphibians and Reptiles. Intraspecific phylogeography of *Graptemys ouachitensis*. Poster with A. D. Smith, K. G. Temple-Miller, M. W. White.
- 2008 North-Central regional Meetings of the American Geological Society, Evansville, Illinois. Use of radiotelemetry and GIS to identify habitat use between *Graptemys ouachitensis* and *G. geographica* in the Scioto River. With K.G. Temple Miller, M. W. White, A.D. Smith and A. S. L. Silva and M. L. Hughes. Presented by K. G. Temple-Miller.
- 2008 Midwest Ecology and Evolution Conference, Athens Ohio. Effects of soil microenvironmental factors on hatchling emergence in Diamondback Terrapins (*Malaclemys Terrapin Terrapin*) at the Poplar Island Environmental Restoration Project. With L. Graham, presented by L. Graham.
- 2008 Midwest Ecology and Evolution Conference, Athens Ohio. Intraspecific phylogeography of *Graptemys ouachitensis*. With A. D. Smith, K. G. Temple-Miller, M. W. White. Presented by A. D. Smith
- 2008 Midwest Ecology and Evolution Conference, Athens Ohio, Use of radiotelemetry and GIS to identify habitat use between *Graptemys ouachitensis* and *G. geographica* in the Scioto River. With K.G. Temple Miller, M. W. White, A.D. Smith and A. S. L. Silva and M. L. Hughes. Presented by K. G. Temple-Miller.
- 2007 The 4<sup>th</sup> Symposium on the Ecology, Status and Conservation of the Diamondback Terrapin. Millersville, MD. Compliance with BRD regulations in a Maryland recreational crab pot fishery. With J. Smolinsky and T. Radzio. Presented by T. Radzio.
- 2007 The 4<sup>th</sup> Symposium on the Ecology, Status and Conservation of the Diamondback Terrapin. Millersville, MD. Terrapin connection: engaging students with environmental education that leads to stewardship. With S. Barry and W. Williams, Presented by W. Williams.
- 2007 The 4<sup>th</sup> Symposium on the Ecology, Status and Conservation of the Diamondback Terrapin. Millersville, MD. How to get blood from a Terrapin.
- 2007 The 4<sup>th</sup> Symposium on the Ecology, Status and Conservation of the Diamondback Terrapin. Millersville, MD. Understanding the evolution of egg size in the Diamondback Terrapin, *Malaclemys Terrapin*. A poster with P. Allman and A. Place.
- 2007 The 4<sup>th</sup> Symposium on the Ecology, Status and Conservation of the Diamondback Terrapin. Millersville, MD. Diamondback Terrapin nesting ecology at the Poplar Island Environmental Restoration Project. With L. Graham, presented by L. Graham.
- 2007 The 4<sup>th</sup> Symposium on the Ecology, Status and Conservation of the Diamondback Terrapin. Millersville, MD. How Maryland's commercial Terrapin fishery was closed through legislative process. With R. Stanley, J. Cover, V. Poole, J. Topping, S. Barnett, and P. van Dijk. Presented by S, Barnett.
- 2007 The 4<sup>th</sup> Symposium on the Ecology, Status and Conservation of the Diamondback Terrapin. Millersville, MD. The role of demography in the management of Maryland Terrapins: A four act play. With K. Kelley.
- 2007 Turtle Survival Alliance, Atlanta GA. Diamondback Terrapin nesting ecology at the Poplar Island Environmental Restoration Project.
- 2007 Turtle Survival Alliance, Atlanta GA. Understanding the evolution of egg size in the Diamondback Terrapin, *Malaclemys Terrapin*. A poster with P. Allman and A. Place.
- 2006 Annual meeting for Integrative and Comparative Biology. Egg size and yolk hormone levels in the Diamondback Terrapin across a latitudinal gradient. Poster with P.E Allman and R. Bowden.
- 2006 Powdermill V Freshwater Turtle Symposium, Portal AZ. Why small is cool and big is hot: geographic variation in Terrapin egg size. With P.E. Allman.
- 2006 Powdermill V Freshwater Turtle Symposium, Portal AZ. Variable developmental timing: adaptations for tropical chelonian reproduction. With B.D. Horne, presented by B.D. Horne
- 2005 Turtle Survival Alliance. San Diego CA. Geographic variation in egg size in the Diamondback Terrapin. With P.E. Allman, presented by P. E. Allman.
- 2005 Fifth World Congress of Herpetology. Stellenbosch, South Africa. All these data and what do we do next: analysis of mark recapture data.
- 2005 Fifth World Congress of Herpetology. Stellenbosch, South Africa. Intraspecific variation in reproductive strategies of a wide ranging turtle. With P.E. Allman, presented by P. E. Allman.
- 2005 Annual meeting for Integrative and Comparative Biology. San Deigo, CA. Interspecific variation in reproductive strategy of a wide ranging turtle. With P.E. Allman, presented by P. E. Allman
- 2005 Fifth World Congress of Herpetology. Stellenbosch, South Africa. Latitudinal variation in sex ratio in a turtle with TSD. With P.E. Allman.

**CONTRIBUTED PRESENTATIONS (cont.)**

- 2004 Third Workshop on the Status and Conservation of Diamondback Terrapins. Jacksonville, FL. Demography, Environmental Variation and the Conservation of Terrapins. With W. Kendall.
- 2004 Third Workshop on the Status and Conservation of Diamondback Terrapins. Jacksonville, FL. Diamondback Terrapin mortality in eel pots and evaluation of a bycatch reduction device. With T. Radzio presented by T. Radzio.
- 2004 Third Workshop on the Status and Conservation of Diamondback Terrapins. Jacksonville, FL. GIS analysis of habitat preference in *Malaclemys Terrapin* along the Patuxent River, Maryland. Poster with P. Allman, and M. Holcombe.
- 2004 Third Workshop on the Status and Conservation of Diamondback Terrapins. Jacksonville, FL. Effects of pollution on the life history of the Diamondback Terrapin. Poster with D. Ford
- 2004 Annual Meeting for the Society for Integrative and Comparative Biology. New Orleans, LA. Sex differentiation in three populations of *Malaclemys terrapin*: a turtle with temperature-dependent sex determination. With P. Allman and A. Place and presented by P. Allman.
- 2003 Annual Meeting of the Ecological Society of American. Savannah, GA. Factors contributing to variation in population level process in the Diamondback Terrapin. With W. Kendall.
- 2003 Joint Meeting of the American Society of Ichthyologist and Herpetologists, the Herpetologist's League and the Society for the Study of Amphibians and Reptiles. Manaus, Brazil. The dynamics of sex differentiation in three populations of *Malaclemys Terrapin*: a turtle with temperature-dependent sex determination. With P. Allman, presented by P. Allman.
- 2003 Joint Meeting of the American Society of Ichthyologist and Herpetologists, The Herpetologist's League and the Society for the Study of Amphibians and Reptiles. Manaus, Brazil. The physiological effects of stressors on *Malaclemys terrapin*. With D. Ford, presented by D. Ford.
- 2002 American Fisheries Society Baltimore, MD. Evaluation of a by-catch reduction device for the canvas funnel eel pot fishery. Poster with T. Radzio.
- 2002 Joint Meeting of the American Society of Ichthyologist and Herpetologists, the Herpetologist's League and the Society for the Study of Amphibians and Reptiles. Kansas City, MO. Effects of contaminants exposure on survivorship and growth of the Terrapin hatchlings. Poster with A. Elskus, D. Ford, and B Palmer.
- 2002 Joint Meeting of the American Society of Ichthyologist and Herpetologists, the Herpetologist's League and the Society for the Study of Amphibians and Reptiles. Kansas City, MO. GIS analysis of nesting habitat preference of *Malaclemys Terrapin* in the Patuxent River. Poster with P. Allman and M. Holcombe.
- 2002 Joint Meeting of the American Society of Ichthyologist and Herpetologists, the Herpetologist's League and the Society for the Study of Amphibians and Reptiles. Kansas City, MO. Demography of the Diamondback Terrapin: Implications for conservation and management
- 2001 Society of Environmental Toxicology and Chemistry, Baltimore, MD. Survivorship, growth, and bioassays of Terrapin hatchlings incubated on an oil contaminated nesting area. With: A Elskus, D. Ford, and B Palmer. Presented by D. Ford.
- 2000 Second Workshop on the Diamondback Terrapin, Stone Harbor, NJ. The role of micro- and macro-environmental variation on nest success of the Diamondback Terrapin.
- 1987-1999 During this period I gave 29 additional contributed presentations and posters at national meetings

**PROFESSIONAL MEMBERSHIPS AND SERVICE****MEETINGS AND SYMPOSIA ORGANIZED**

- 2008 Is Management of Sustainable Commercial Harvest of Long-Lived Organisms Possible? Joint Meeting of the American Society of Ichthyologist and Herpetologists, the Herpetologist's League and the Society for the Study of Amphibians and Reptiles. Montreal, Ontario.
- 2007 The 4th Symposium on the Ecology Status and Conservation of the Diamondback Terrapin. Triennial meeting of the Diamondback Terrapin Working Group. Millersville, Maryland

**PROFESSIONAL SERVICE**

President Herpetologists' League 2018 – Present  
 Vice President of the Herpetologists' League 2018  
 Associate Editor for Herpetological Conservation and Biology 2009-present  
 Member of Turtle Conservation Exhibit Advisory Group – The National Aquarium 2011  
 Director of the Diamondback Terrapin Working Group ([www.dtwg.org](http://www.dtwg.org)): 2007-2010

Co-director of the Diamondback Terrapin Working Group ([www.dtwg.org](http://www.dtwg.org)): 2004-2007

Webmaster for the Diamondback Terrapin Working Group ([www.dtwg.org](http://www.dtwg.org)): 2004 - present

Board of Editors for American Society of Ichthyologists and Herpetologists: 1995 – 1997, 2007 - 2009.

Conservation Committee of the Herpetologist's League: 2000-2002

Member of Maryland Department of Natural Resources – Diamondback Terrapin Working Group charged with establishing management and conservation strategies for Terrapins in Maryland. 2008 – 2017.

Asian Scholars Program mentor for the Turtle Survival Alliance and the Wildlife Conservation Society. 2008.

**Reviewer For:** *American Zoologist, American Midland Naturalist, American Naturalist, Animal Behaviour, Animal Conservation, Applied Herpetology, Aquatic Conservation: Marine and Freshwater Ecosystems, Biological Conservation, Biological Journal of the Linnean Society, Copeia, Canadian Journal of Zoology, Chelonian Conservation and Biology, Chelonian Research Monographs, Conservation Biology, Diversity and Distributions, Ecology, Environmental Management, Estuaries and Coasts, Evolution, Evolutionary Ecology, Fisheries Research, Functional Ecology, Herpetologica, Herpetological Conservation and Biology, Herpetological Monographs, Herpetological Review, John Hopkins University Press, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Comparative Psychology, Journal of Fish and Wildlife Management, Journal of Herpetology, Journal of the Linnaean Society, Journal of Thermal Biology, Journal of Wildlife Management, Journal of Zoology, Marine and Freshwater Research, Nature Science Reports, Northeastern Naturalist, Northwest Journal of Zoology, Ocean and Coastal Management, Oecologia, Oikos. Physiological and Biochemical Zoology, PlosOne, and Proceedings of the Washington Biological Society, Regional Studies in Marine Science.*

**Grant Reviewer For:** National Science Foundation, Hudson River Foundation, American Women in Science - Graduate Studies, Florida Sea Grant, South Carolina Sea Grant, Texas Sea Grant, Environmental Protection Agency, National Geographic Society, National Oceanic and Atmospheric Administration - Saltonstall-Kennedy Program, National Oceanic and Atmospheric Administration – National Marine Fisheries Service

#### PROFESSIONAL MEMBERSHIPS

IUCN Tortoise and Freshwater Turtle Specialist Group

Society for the Study of Evolution

The Society for the Study of Amphibians and Reptiles

The American Society of Ichthyologists and Herpetologists

Diamondback Terrapin Working Group

Turtle Survival Alliance

Herpetologists' League

Ecological Society of America

#### INSTITUTIONAL COMMITTEE MEMBERSHIPS AND SERVICE

##### OHIO UNIVERSITY

Environmental Studies Board of Directors 2007- present, Chair – 2009 – 2011, Fall 2012 - 2014

College of Allied Health Professions – Full Professor Promotion Committee

*ad hoc* Holiday Closure Committee – 2010 - 2012

Facilities and Planning Advisory Committee – 2008 – 2011

Faculty Senate; Finance and Facilities – 2008 – 2011, 2017- present

Faculty Senate; Senator 2006 – 2011, 2017 - present

Academic Support Unit Program Review Committee 2009 - 2010

Graduate Council – 2008 - 2009

Faculty Senate; Alternate Senator 2004 – 2005, 2017 - present

Faculty Senate; Personnel Relations Committee 2005, 2006 – 2008

University Judiciaries Hearing Board Member – 2006 - 2011

Aquatic Animal Holding Facility Planning and Construction Committee 2004 – 2006

Office of Research and Sponsored Programs; Grants Administrator Search Committee 1999-2000

Ecology and Energy Conservation Committee, 1996 - 1998

##### OHIO UNIVERSITY, COLLEGE OF ARTS AND SCIENCES

Curriculum Committee - 2011-2012, 2015-2018

Ohio Center for Ecology and Evolutionary Studies Director 2006–2007, 2014 – 2016; 2018 – present.

Ohio Center for Ecology and Evolutionary Studies - Assistant Director 2007 – 2014, 2015 - 2018

Chair of *ad hoc* Seven Year Review Committee of the Nanoscience and Quantum Physics Institute 2007

Promotion and Tenure Committee - 2004 - 2006

Information Technology Advisory Board - 2003 - 2005

Faculty Development Committee, 2001 – 2002.

**OHIO UNIVERSITY, DEPARTMENT OF BIOLOGICAL SCIENCES**

Vice Chair 2013 – 2015, 2018 - present

Staffing Committee – 2016 – 2018.

Chair of Promotion and Tenure Committee 2013 – 2015, 2018 – present.

Conservation Biologist Search Committee 2014 – 2015

Vertebrate Biologist Search Committee – 2015 - 2016

Introductory Laboratory Coordinator and Instructor Search Committee - Chair 2013-2014

Space Committee 2004 - 2008

Promotion and Tenure Committee 2001 - 2002, 2003 – 2005, 2011 - present

Information Technology Committee 2003 - 2004

*ad hoc* Graduate Review Advisory Committee, 2001

Graduate Recruitment Weekend Committee - Chair 2000-2001

Graduate Committee, 1996 – 1999, 2008 - 2009

Aquatic Ecologist Search Committee 1997

Social Committee, 1995 - 2001 - Chair 1998 - 2001

Chair - Ecology and Evolutionary Biology Graduate Steering Committee, 1996 - 1999

**VISITING SCHOLARS**

Visiting Research Scholar, Iqbal Djawad from Hasanuddin University, Indonesia

**GRADUATE TRAINING****DISSERTATION ADVISOR**

Krichbaum, S. 2018. Ecology and Conservation Biology of the North American wood turtle (*Glyptemys insculpta*) in the central Appalachians. Dissertation Ohio University Athens Ohio USA

Converse, P. E. 2016. The population ecology, molecular ecology, and phylogeography of the Diamondback Terrapin, (*Malaclemys terrapin*). Dissertation Ohio University Athens Ohio USA

Howey, C. 2013. The effects of prescribed fire on the black racer *Coluber constrictor*. Ph.D. Dissertation Ohio University Athens Ohio USA – Post Doctoral Fellow, Pennsylvania State University, State College

Ruhl, N. 2012. The lotic-lentic gradient in reservoirs and estuaries. Ph.D Dissertation Ohio, University Athens, Ohio USA. Assistant Professor, Rowan University, Glassboro, New Jersey

Horne, B. D. 2007. The ecology of developmental timing in a neotropical turtle, *Kinosternon leucostomum*. Ph.D. Dissertation Ohio University, Athens Ohio. USA. Postdoctoral Fellow – Wildlife Conservation Society, Bronx, New York.

Allman, P. A. 2006. Consequences of egg size on hatchling energetics in the Diamondback Terrapin, *Malaclemys Terrapin*. Ph. D Dissertation Ohio University, Athens Ohio. USA. Assistant Professor – Florida Gulf Coast University, Fort Meyers, Florida.

Ford, D. K. 2005. Sublethal effects of stressors in physiological and morphological parameters in the Diamondback Terrapin, *Malaclemys Terrapin*. Ph.D.Dissertation Ohio University, Athens Ohio. USA. Associate Professor – Westminster College, St. Louis Missouri

**MASTER'S THESIS ADVISOR**

Jenkins, D.M. 2018. Using long-term mark-recapture data to quantitatively assess conservation strategies for the diamondback terrapin, *Malaclemys terrapin*. MS Thesis Ohio University Athens OH.

Tokash, A. S. 2018. Somatic growth in head-started diamondback terrapins, *Malaclemys terrapin* and their wild counterparts. MS Thesis Ohio University Athens OH.

Ward, M. 2018. Niches and nosey neighbors: exploring how community dynamics and habitat characteristics impact reproductive success in forest interior bird communities. MS Thesis Ohio University Athens OH. (Shared with Kelly Williams)

Garrett S. 2017. The Rocky Reality of Roadways and Timber Rattlesnakes (*Crotalus horridus*): an Intersection of Spatial, Thermal, and Road Ecology. MS Thesis Ohio University Athens OH. (Shared with Shawn Kuchta)

Kitson, S. A. 2016. *Malaclemys terrapin* Hatchlings: Variations in Seasonal Emergence. MS Thesis Ohio University Athens OH.

Smeenk, N. A. 2010. The population ecology of a head-start supplemented population of Diamondback Terrapin (*Malaclemys Terrapin*) at the Poplar Island Environmental Restoration Project in the middle Chesapeake Bay. MSES Thesis. Ohio University, Athens, OH, USA. – Ph.D. candidate University of Kansas

- Graham, L. J. 2009. Diamondback Terrapin, *Malaclemys Terrapin*, nesting and over-wintering ecology. MSES Thesis. Ohio University, Athens Ohio. USA. MS Fine Arts Program at University of Washington
- Smith, A. D. 2008. Interspecific Phylogeography of *Graptemys ouachitensis*. MS Thesis Ohio University, Athens, OH, USA. Research technician – Diagnostic Hybrids Athens Ohio
- Temple-Miller, K. A. 2008. Use of radiotelemetry and GIS to distinguish habitat use between *Graptemys ouachitensis* and *G. geographica* in the Scioto River. MSES Thesis Ohio University, Athens, OH, USA. Assistant Professor Hocking College, Nelsonville Ohio
- Radzio, T. A. 2004. Diamondback Terrapin mortality in eel pots and evaluation of a by-catch reduction device. MS Thesis Ohio University, Athens, OH, USA.
- Green, J. P. 1998. The impact of a bycatch reduction apparatus on crab and Diamondback Terrapin (*Malaclemys Terrapin*) capture in crab pots. MSES Thesis Ohio University, Athens, OH, USA.
- Martin P. L. 1998. Adaptation to life in estuarine environments by the Northern Water Snake *Nerodia sipedon*. MS Thesis. Ohio University, Athens, OH, USA.
- Winterhalter, W. E. 1998. Maturation rates and optimal offspring size in the live-bearing fish *Poecilia reticulata* and *Xiphophorus maculatus*. MS Thesis Ohio University, Athens, OH, USA.

### CURRENT STUDENTS

- Daniel Leger - MS – Anticipated Matriculation 2019  
Charlene Hopkins – Ph.D. - Anticipated Matriculation – 2019 (Shared with Shawn Kuchta)

### COMMITTEE MEMBERSHIP

#### Ph.D.

- Vivian Paez 1995  
Clay Corbin, - 2002  
Jason Moretz - 2004  
Angela Horner – 2010  
Andy Coleman – 2011 - University of Alabama Birmingham  
Diana Tulipani – 2013 - College of William and Mary  
Taylor Roberge – 2017 – University of Alabama Birmingham  
Vinny Farallo – 2017  
Tom Radzio – 2018 – Drexel University  
Maggie Hantak – ABD  
Jasmine Croghan - ABD  
Anthony Gilbert -- ABD  
Kathleen Gabler – ABD

#### M.S.

- Matt Hohlman, 1996  
Fer Vallejo 1997  
Jennifer Kelley 1997 (MSES)  
Kathy Massey 1997  
Teresa Dennis 2002  
Rita Steyn 2005  
Natalie Buchman 2008  
Sarah Wright 2014 (MSES)  
Kali Boarman - 2017  
Austin Waag - 2018  
Marcel Weigand - 2018

### UNDERGRADUATE HONORS THESES SUPERVISED

- Seth Cones – 2018 - Ohio University Biology Honors Thesis Defense, Athens, OH. Do non-invasive tagging events induce stress in long-finned pilot whales (*Globicephala melas*)? Ohio University Athens, OH USA.
- Alayna Tokash – 2016 – Within and among year variation in reproductive output in two populations of the Diamondback Terrapin, *Malaclemys terrapin*. Department of Biological Sciences. Ohio University Athens, OH USA.
- ElizaBeth Clowes – 2013 – The effect of vegetation on nest site selection by the diamondback terrapin, *Malaclemys terrapin*. *Malaclemys Terrapin*. Honor Tutorial College, Ohio University Athens, OH USA
- Kimberly Blahnik 2005 - Genetic origin of a distinct population of the Ouachita Map Turtle *Graptemys ouachitensis* in Ohio's Scioto River. Department of Biological Sciences. Ohio University Athens, OH USA.
- Kara Nicole Freshwater 2000 - The effects of incubation temperature and sex ratio on metabolic rate in the Diamondback Terrapin, *Malaclemys Terrapin*. Department of Biological Sciences. Ohio University Athens, OH USA.
- Katherine Strafford 1998 - The effect of beach elevation on survivorship and sex ratio in the Diamondback Terrapin, *Malaclemys Terrapin*. Honor Tutorial College, Ohio University Athens, OH USA.

## TEACHING

### Courses Taught at Ohio University

BIOS 171 - Introduction to Anatomy and Physiology

BIOS 172 - Introduction to Ecology and Evolution

BIOS 1710 - Introduction to Ecology and Evolution (last 7 weeks of a full Semester Course)

BIOS 275 - Ecology (both majors and non-majors)

BIOS 297T - Tutorial - Freshman Level

BIOS 303 - Comparative Vertebrate Anatomy

BIOS 375 - Animal Ecology (new course I developed to establish separate courses for majors and non-majors)\

BIOS 3750 – Animal Ecology

BIOS 3880 – Undergraduate Research Immersion Program

BIOS 397T - Tutorial - Sophomore- Junior Level

BIOS 462/562 - Physiological Ecology - co-taught with Kelley Johnson and Lisa Crockett\

BIOS 4770/5770 – Population Ecology

BIOS 491 - Wildlife/Marine Biology/Environmental Biology Internship (Coordinator)

BIOS 4910 - Wildlife/Marine Biology/Environmental Biology Internship (Coordinator)

BIOS 682 - Advanced Topics - Various Topics

    Evolution of Life Histories

    Darwin and the Origin of Species (2)

    Maternal Effects and their Role in Evolutionary Process

BIOS 6820 – Topics in Ecology and Conservation

BIOS 7000 - EEB Colloquium

BIOS 794 - EEB Colloquium