

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.

2012

Browning, J. S. and **S. C. Landers**. 2012. Exuviotrophic apostome ciliates from freshwater decapods in southern Alabama (USA) and a description of *Hyalophysa clampi* n. sp. European Journal of Protistology (accepted).

2011

Billington, N., C. Wilson, and B. L. Sloss. 2011. Distribution, and population genetics of walleye and sauger. Pages 105-132 (Ch. 4) in B. A. Barton, editor. Biology, management, and culture of walleye and sauger. American Fisheries Society, Bethesda, Maryland. (Invited)

Billington, N. and B. L. Sloss. 2011. Molecular Systematics of *Sander*, and hybridization between walleye and sauger. Pages 85-104 (Ch. 3) in B. A. Barton, editor. Biology, management, and culture of walleye and sauger. American Fisheries Society, Bethesda, Maryland. (Invited)

Diamond, A. R. Jr. 2011. A checklist of the vascular flora of Crenshaw County, Alabama. Castanea 76(1), 62-82.

Kral, R., **A. R. Diamond, Jr.**, S. L. Ginzburg, C. J. Hansen, R. R. Haynes, B. R. Keener, M. G. Lelong, D. D. Spaulding, and **M. Woods**. 2011. Annotated Checklist of the Vascular Plants of Alabama. Botanical Research Institute of Texas Press, Fort Worth, Texas.

Kral, R., **A. R. Diamond**, S. L. Ginzburg, C. J. Hansen, R. R. Haynes, B. R. Keener, M. G. Lelong, D. D. Spaulding and **M. Woods**. 2011. Alabama Plant Atlas. [S. M. Landry and K. N. Campbell (original application development), Florida Center for Community Design and Research. University of South Florida]. University of West Alabama, Livingston, AL.

Landers, S. C. 2010/2011. The fine structure of the tropho-tomont of the parasitic apostome *Chromidina* (Ciliophora, Apostomatida). Protistology, 6: 271-279.

Landers, S. C. 2011. Improving TEM fixation with additives. Microscopy Today 19(1): 40-42.

Stewart, P. M., J. B. Sawyer, F. Parauka, and E. G. Reategui-Zirena. 2011. Summer holding areas of the Gulf sturgeon within the Conecuh/Escambia River system, Alabama and Florida. *Watersheds: Processes, Management and Impact*, Nova Publishers, Hauppauge, NY. In press.

Yu, K. W. and J. Rinklebe. 2011. Advancement in soil microcosm apparatus for biogeochemical research. *Ecological Engineering* 37: 2071-2075.

Yu, K. W. 2011. Redox potential control on cumulative global warming potentials from irrigated rice fields, In *Understanding Greenhouse Gas Emissions from Agricultural Management*, edited by Gui, L., et al.; ACS Symposium Series; American Chemical Society: Washington, DC, 2011, Chapter 7, pp121-134 (Invited).

2010

Graeb, B. D. S., D. W. Willis, **N. Billington**, R. N. Koigi, and J. A. VanDeHey. 2010. Age-structured assessment of walleye, sauger and naturally produced hybrids in Missouri River reservoirs. *North American Journal of Fisheries Management* 30: 887-897.

Landers, S. C. 2010. The fine structure of the hypertrophont of the parasitic apistome *Synophrya* (Ciliophora, Apistomatida). *European Journal of Protistology* 46: 171-179.

Landers, S. C. 2010. The fine structure of the developing oocyst of *Pterospora floridiensis* (Apicomplexa, Urosporidae). *European Journal of Protistology* 46: 1-9.

Whatley, A., and I. K. Cho. 2010. Mutagenicity of Walnut Creek and Troy (Alabama) Wastewater Plant Influent and Effluent. *Southeastern Naturalist* 9(3): 497-506.

Whatley, A., I. K. Cho, **C. Magrath, P. M. Stewart,** and R. W. Li. 2010. Cytochrome P450 Induction in Channel Catfish (*Ictalurus punctatus*) Following Exposure to Troy (Alabama) Wastewater Treatment Plant Effluent in Field and Laboratory Settings. *Journal of Environmental Protection*. Vol 1, 362-373.

Woods, M. and L. Leverett. 2010. The genus *Indigofera* (Fabaceae) in Alabama. *Journal of the Alabama Academy of Science* 81(1): 36-43.

Yu, K., D. Seo, and R. DeLaune. 2010. Incomplete acetylene inhibition of nitrous oxide reduction in potential denitrification assay as revealed by using ¹⁵N-nitrate tracer. *Communications in Soil science and Plant Analysis* 41: 2201-2210.

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Blankinship, L. A. 2009. Comparison of Methods for the Extraction of Genomic DNA from Aerobic Digest. *Journal of the Alabama Academy of Science* 80(3-4): 186-197.

Carter, R., W. Baker, and **M. W. Morris.** 2009. Contributions to the flora of Georgia. *Vulpia* 8: 1-54.

- Diamond, A. R.** and **M. Woods.** 2009. Noteworthy collections from Alabama. *Castanea* 74(4): 440-443.
- Heath, W. H., **P. M. Stewart**, T. P. Simon, and J. M. Miller. 2009. Distributional survey of crayfish (CRUSTACEA: DECAPODA) in wadeable streams in the coastal plains of southeastern Alabama. *Southeastern Naturalist* 9(Special Issue 3): 139-154.
- Landers, S. C.** and R. D. Jones. 2009. Pathology of the trematode *Alloglossidium renale* in the freshwater grass shrimp *Palaemonetes kadiakensis*. *Southeastern Naturalist* 8: 599-608.
- Stewart, P. M.,** J. M. Miller, W. H. Heath, and T. P. Simon. 2009. Macrohabitat partitioning of crayfish assemblages in wadeable streams in the coastal plains of southeastern Alabama. *Southeastern Naturalist* 9(Special Issue 3): 245-246.
- Stewart, P. M.,** A. D. McKenzie, T. P. Simon, and A. F. Baker. 2009. Agonistic interactions among size-matched form I and form II male *Procambarus suttkusi* (Choctawhatchee Crayfish). *Southeastern Naturalist* 9(Special Issue 3): 231-244.
- Whatley, A., P. M. Stewart,** S. S. Bhattarai, and **C. Magrath.** 2009. Cytochrome P450 in channel catfish (*Ictalurus punctatus*) following exposure to Troy (Alabama) wastewater treatment plant effluent. *Aquatic Ecosystem Health and Management* 12(2): 206-214.
- Witmer, P. L., **P. M. Stewart,** and C. K. Metcalf. 2009. Development and use of a sedimentation risk model for unpaved road stream crossings. *Journal of the American Water Resources Association (JAWRA)* 45(3): 734-747.
- Woods, M.** and J. Key. 2009. The genus *Rhynchosia* (Fabaceae) in Alabama. *Phytologia*. 91(1): 3-17.
- Yu, K. W.** and G. X. Chen. 2009. Nitrous oxide emissions from terrestrial plants: observations, mechanisms and implications. *Nitrous Oxide Emissions Research Progress* (Eds Sheldon AI, Barnhart EP), Nova Science Publishers, Inc. (Invited) 85-104.

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- Baker, A. F., **P. M. Stewart,** and T. P. Simon. 2008. Life history study of *Procambarus suttkusi* in southeastern Alabama. *Journal of Crustacean Biology* 28(3):451-460.
- Collins, C. L., M. W. Mullen, **P. M. Stewart,** and E. C. Webber. 2008. Application and validation of an invertebrate community index for urban streams in the Choctawhatchee and Pea Rivers watersheds. *Journal of the American Water Resources Association (JAWRA)*, 44(3): 663-669.

- Palmer, G., M. Culver, D. Dutton, B. R. Murphy, E. M. Hallerman, **N. Billington**, and J. Williams. 2008. Distinct walleye stocks in Claytor Lake and the upper New River, Virginia. Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies, in press.
- Pilarczyk, M. M., H. Blalock-Herod, and **P. M. Stewart**. 2008. Life history and preliminary host fish identification of *Quincuncina burkei* and *Pleurobema strodeanum*. American Malacological Bulletin 24: 121-125.
- Pisani, K. A., **S. C. Landers**, and **E. Pappanastos**. 2008. Salinity tolerance in *Hyalophysa chattoni* (Ciliophora, Apostomatida), a symbiont of the estuarine grass shrimp *Palaemonetes pugio*. European Journal of Protistology 44: 141-148.
- Rothrock, P. E., T. P. Simon, and **P. M. Stewart**. 2008. Development, calibration, and validation of a littoral zone plant index of biotic integrity (PIBI) for lacustrine wetlands. Ecological Indicators 8: 79-88.
- Spokas, E. G., S. Harshman, **G. M. Cohen**, C. Jiang, J. M. Levine, A. Rodriguez, J. Foglein, and B. W. Spur. 2008. Release of the lipid peroxidation marker 8-epi-PGF_{2a} from isolated gill pavement cells. Environmental Toxicology and Chemistry 27: 1569-1575
- Sucaet, Y. and **C. Magrath**. 2008. MOTIFA (Motif Analyzer): examination of interregional and intraregional distribution of short DNA motifs. Online Journal of Bioinformatics 9(2): 121-129.
- Woods, M.** 2008. The Genera *Desmodium* and *Hylodesmum* (Fabaceae) in Alabama. Castanea 73(1): 46-69.
- Woods, M.** and **A. R. Diamond**. 2008. Pteridophytes of southeastern Alabama: Dichotomous Keys, Illustrations and Distribution Maps. Journal Alabama Academy Science 79(3-4): 200-237.

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- Landers, S. C.** 2007. Symbiotic and attached ciliated protozoans. In: The Light & Smith Manual: Intertidal Invertebrates from Central California to Oregon. J. Carlton, Ed. Fourth Edition. University of California Press, Berkeley and Los Angeles. Pp. 70-80.
- Landers, S. C.**, J. Gómez-Gutiérrez, and W. T. Peterson. 2007. The fine structure of the phoront of *Gymnodinioides pacifica*, a ciliated protozoan (Ciliophora, Apostomatida) from euphausiids of the Northeastern Pacific. European Journal of Protistology 43: 239-249.

Morris, C. C., **P. M. Stewart**, and T. P. Simon. 2007. Development of an index of biotic integrity for a southeastern coastal plain watershed, USA. *Journal of the American Water Resources Association (JAWRA)* 43(2): 1-13.

Smith, L., A. DiTommaso, J. Lehmann and **S. Greipsson**. 2007. Locally associated arbuscular mycorrhizal fungi (AMF) and growth of the invasive vine *Vincetoxicum rossicum*. *Invasive Plant Science and Management* 1: 142-152.

2006

Billington, N., R. N. Koigi, A. M. Barr, **J. Gaston**, R. E. Creech, and J. Xiong. 2006. Use of isozyme markers to document genetic variation in sauger. *Gene Families and Isozymes Bulletin* 39: 10.

Diamond, A. R., H. El Mayas, and R. S. Boyd. 2006. *Rudbeckia auriculata* infected with a Pollen-mimic Fungus in Alabama. *Southeastern Naturalist* 5(1): 103-112.

Diamond, A. R., D. R. Folkerts, and R. S. Boyd. 2006. Pollination Biology, Seed Dispersal, and Recruitment in *Rudbeckia auriculata* (Perdue) Kral, a Rare Southeastern Endemic. *Castanea* 71(3): 226–238.

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Leander, B. S., S. A. J. Lloyd, W. Marshall, and **S. C. Landers**. 2006. Phylogeny of Marine Gregarines (Apicomplexa)- *Pterospora*, *Lithocystis*, and *Lankesteria*- and the Origin(s) of Coelomic Parasitism. *Protist* 157: 45-60.

Morris, C. C., **P. M. Stewart**, and T. P. Simon. 2006. Development of an index of biotic integrity for fish communities of the Chocktawhatchee River Watershed, southern Alabama. *Journal of the American Water Resources Association (JAWRA)* 43(2): 1-13.

Palmer, G., M. Culver, D. Dutton, B. R. Murphy, E. M. Hallerman, **N. Billington**, and J. Williams. 2006. Distinct walleye stocks in Claytor Lake and the upper New River, Virginia. *Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies* 60: 125-131.

Pilarczyk, M. M., **P. M. Stewart**, D. N. Shelton, H. N. Blalock-Herod, and J. D. Williams. 2006. Current and recent historical freshwater mussel assemblages in the Gulf coastal plains. *Southeastern Naturalist* 5(2): 205-226.

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- Simon, T. P., and **P. M. Stewart** (editors). 2006. Coastal Wetlands of the Laurentian Great Lakes: Health, Habitat, and Indicators. Authorhouse, Bloomington, IN. pp. 523.
- Simon, T. P., and **P. M. Stewart**. 2006. Introduction: coastal wetlands of the Laurentian Great Lakes and the development of indicators of condition. Pp. 3-16 (Ch. 1) *in* T. P. Simon & **P. M. Stewart** (editors). Coastal Wetlands of the Laurentian Great Lakes: Health, Habitat, and Indicators. Authorhouse, Bloomington, IN.
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