

## **Lori Tolley-Jordan, Ph.D.**

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## **Professional Preparation**

- 2008 The University of Alabama, Biology, Ph.D.
- 2000 Texas State University, Aquatic Biology, M.Sc.
- 1997 University of Arkansas, Biology, B.S.

## **Professional Appointments**

- 2011-pres. Assistant/Associate Professor, Department of Biology, Jacksonville State University.
- 2009-2010 Instructor, Department of Biology, Birmingham-Southern College,
- 2001-2003 Fisheries Biologist, US Fish and Wildlife Service: National Fish Hatchery and Technology Center, San Marcos, Texas.

## **Publications**

1. **Tolley-Jordan, L. R.**, and M. A. Chadwick. 2019. Effects of parasite infection and host body size on habitat associations of aquatic invasive snails: Implications for environmental monitoring. *Journal of Aquatic Animal Health*. DOI 10.1002/11h.10059
2. **Tolley-Jordan, L.**, A. D. Huryn, and A. E. Bogan. 2015. Effects of land-use change on a diverse pleurocerid snail assemblage. *Aquatic Conservation: Marine and Freshwater Ecosystems*. 25: 235-249.
3. Allen, H. and L. **Tolley-Jordan**. 2013. The influence of substrate heterogeneity on benthic macroinvertebrate diversity in Choccolocco Creek, Alabama. *The Alabama Academy of Sciences*. 84: 167-182.
4. Invited Contributor: **Tolley-Jordan, L.** and M. A. Chadwick. 2012. The Asian gill- fluke *Centrocestus formosanus*, Nishigori 1924. *In A Handbook of Global Freshwater Invasive Species*. R. A. Francis, Ed. Earthscan Press, London, UK.
5. Wooten, J. A. and **L. R. Tolley-Jordan**. 2009. Validation of the Phylogenetic Signals in AFLP Data: Testing the Utility and Reliability of AFLP in Closely Related Taxa. *BMC Research Notes* 2:26
6. **Tolley-Jordan, L. R.** 2008. Freshwater Pleuroceridae (Gastropoda: Coenogastropoda) of the Cahaba River Basin, Alabama, USA. Ph.D. Dissertation. The University of Alabama.
7. **Tolley-Jordan, L. R.**, and J. M. Owen. 2008. Habitat influences snail community structure and trematode infection levels in a spring-fed river, Texas, USA. *Hydrobiologia* 600: 29-40.
8. Oxley, F. M., A. Echlin, P. Power, **L. Tolley-Jordan**, and M. L. Alexander. 2008. Travel of pollen in experimental raceways in the endangered Texas wildrice (*Zizania texana*). *The Southwestern Naturalist* 53(2): 169-174.
9. **Tolley-Jordan, L. R.**, and P. Power. 2007. Effects of temperature on the federally endangered Texas wildrice (*Zizania texana*). *The Southwestern Naturalist* 52(2): 201-208.

## **Extramural Funding**

1. Helms, B., Wheelan, N., Halanych, K., **Tolley-Jordan, L** (CO-PI). "Population structure of the Round Rocksnail (*Leptoxis ampla*) in the Cahaba River." Sponsored by the Alabama Department of Conservation and Natural Resources, \$24,933

2. **Tolley-Jordan, L.** (PI), Chadwick, M. and J. Wooten. “Improved monitoring of the invasive freshwater snail, *Melanoides tuberculata* and associated trematode pathogens in Florida waters.” Sponsored by the US Fish and Wildlife Service, Aquatic Nuisance Species Panel, \$24,966
3. **Tolley-Jordan, L.** (PI), Wooten, J. Helms, B. and Holt, R. “Documenting freshwater snail and trematode parasite diversity in the Wheeler Refuge Complex: baseline inventories and implications for animal health.” Sponsored by the US Fish and Wildlife Service, Inventory and Monitoring Network, \$20,000
4. **Tolley-Jordan, L.** Meade, M., Murdock, C., and J. Triplett, “Active Science for Active Minds: Hands-on Science in the AL Outdoors.” Sponsored by Legacy, Inc. Partners in Environmental Education, \$9,995.00.

### Synergistic Activities

1. Teaching and Student Mentoring: I teach a variety of Undergraduate and Graduate natural science courses including: Intro to Biology I/II, General Ecology, Entomology, Invertebrate Zoology, Freshwater Biology, and a Seminar in Urban Ecology at JSU. During the past five years at JSU, I have mentored 20 undergraduate students in a variety of research projects as well as directed five theses of Masters Degree Students.
2. Outreach: JSU faculty are very committed to serving the community. I have conducted workshops for Teachers through the JSU Field Schools, visited local schools to give presentations on biodiversity. I have received funding from Legacy, Inc. to direct hands-on field biology for underserved elementary and middle school aged students. I have also participated in a variety of workshops for area schools organized by JSU field schools. I have given invited talks on Alabama freshwater snails to the Audobon Society. I actively participate in STEM programs aimed at giving high-school students opportunities to conduct research projects with faculty. I also regularly judge student poster/oral presentations at regional and international meetings. I also serve on the Board of Trustees for the Forever Wild Land Trust.
3. Professional Service: I have conducted *ad hoc* reviews for 6 journals in the last 5 years and reviewed documents pertaining to threatened and endangered snails for the US FWS. I have served as a Gastropod Identification Expert for The Nature Conservancy and their monitoring efforts of freshwater snails in the Cahaba River. I have participated in the Non-Game Wildlife Committee for Aquatic Snail Diversity for the state of Alabama and the Alabama Biological Condition Gradient panel, an expert panel developing state-level stream biomonitoring and assessment criteria. I organized the Aquatic Biodiversity session at the Alabama Fisheries Association Meeting in 2012 and I was a co-organizer of the Alabama Department of Conservation and Natural Resources Annual Mollusk and Crayfish Meeting in January 2016.