**JIM ARMACOST, JR.**

*Associate Professor of Biology*

*Director of Environmental Science*

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**EDUCATION**

Ph.D. Biology Illinois State University 2007

M.S. Biology Mississippi State University 1998

B.S. Zoology Louisiana State University 1993

**RESEARCH**

**Peer-reviewed publications**

Brobey, B., Kucknoor, A., and **J. Armacost**. 2017. Prevalence of *Trichomonas*, *Salmonella*, and *Listeria* in wild birds from Southeast Texas. Avian Diseases 61: *in press*.

Gifford, K. L., and **J. W. Armacost, Jr.** 2012. Year-round bird use of monotypic Chinese tallow tree, *Triadica sebifera*, stands in Southeast Texas. The Condor 114: 689-697.

**Armacost, Jr., J. W.**, and A. P. Capparella. 2012. Colonization of mainland agricultural habitats by avian river-island specialists along the Amazon River in Peru. The Condor 114: 1-6.

Ayers, A. J., and **J. W. Armacost, Jr.** 2010. Marsh Wren eats small fish. Wilson Journal of Ornithology 122: 623-624.

**Armacost, Jr., J. W.** 2006. Birds of palm-dominated *terra firme* forest: habitat heterogeneity and avian diversity in the Neotropics. Cotinga 25: 33-37.

**Armacost, Jr., J. W.** 2004. The nest, eggs, and nestlings of the Castlenau’s Antshrike (*Thamnophilus cryptoleucus*), with notes on its ecology and conservation. Wilson Bulletin 116: 262-266.

Fujioka, M., **Armacost, Jr., J. W.**, Yoshida, H. and T. Maeda. 2001. Value of fallow farmlands as summer habitats for waterbirds in a Japanese rural area. Ecological Research 16: 555-567.

Wood, D. R., Vilella, F. J., Burger, Jr., L. W., and **J. W. Armacost, Jr.** 2001. Surveying

nocturnal bird communities of the Southeast with silent and playback methods. Proceedings of the Southeastern Association of Fish and Wildlife Agencies 55: 528-533.

**Recent grants received**

2010. Coastal Management Program. The recovery of the coastal ecosystem of Southern Jefferson County, Texas from the storm surge of Hurricane Ike. In collaboration with Drs. Haiduk, Hoch, and Nicoletto. $144,192.

2008-2012. Golden Pass LNG Terminal LLC. Monitoring bird collisions along the Entergy Gulf States transmission lines adjacent to the J. D. Murphree Wildlife Management Area, Jefferson Co., TX: estimating mortality and population impacts. $150,000.

**TEACHING**

**Courses taught at Lamar University**

Biol 5110 Graduate seminar seminar

Biol 4409/5409 Ornithology lecture and lab

Biol 4302/5302 Conservation Biology lecture only

Biol 4401/5401 Tropical Forest Ecology lecture and field study abroad

Biol 2402 Anatomy and Physiology II lecture and lab

Biol 2401 Anatomy and Physiology I lecture and lab

Biol 2306 Environmental Biology lecture only

Biol 1406 General Biology lab only

**Special topics courses taught at Lamar University**

Biol 5101 Marsh Bird Management

Biol 5101 Avian Ecology

Biol 4300 Bird Conservation

Biol 4101 Invasion Ecology

**Committee chair for thesis Master’s students**

Heather Boothby - Effect of beneficial use dredge material on marsh bird communities. Graduated August 2017.

Britni Brobey - Prevalence of *Trichomonas*, *Listeria*, and *Salmonella* in birds of Southeast Texas. Graduated August 2013.

Alicia Rodriquez – Recovery of marshland bird populations following Hurricane Ike. Graduated December 2011.

Andrea Ayers – Effect of an electrical transmission line adjacent to the J. D. Murphree Wildlife Management Area on avian mortality and population densities. Graduated May 2011.

Katy Gifford – Use of invasive Chinese tallow tree stands as foraging and nesting habitat by native birds. Graduated December 2010.

**Committee member for thesis Master’s students**

Kristina Radivojevich-Cross – A tale of two brittle stars: a comparison of the effects of hypercapnia, decreased pH, and increased temperature on the respiration and regeneration rates of *Hemipholis elongata* and *Amphiura atra* (Echinodermata, Ophiuroidea). Graduated May 2012.

Amanda Posey - The effects of salinity on the reproductive biology of the guppy, *Poecilia reticulata*. Graduated May 2010.

**Undergraduate research students**

The effect of beneficial use of dredged material on marsh bird communities.

2017 Jeffery Moore

2016 Zac Holt

2016 Charis Outlaw

Recovery of marshland bird populations following Hurricane Ike.

2010 Corey Cox

2010 Emily Ford

Use of invasive Chinese tallow tree stands as foraging and nesting habitat by native birds.

2009, 2010 Cody Conway

Effect of an electrical transmission line adjacent to the J. D. Murphree Wildlife Management Area on avian mortality and population densities.

2011-2013 Paige Pritchard

2011 Christopher Mays

2010 Jon Price

2009, 2010 Cody Conway

2009, 2010 Mattie Jordan

2009 Brett Cormier

2008, 2009 Kathryn Johnson

2008 Trevor Armstrong

2008 Kyle Mead

**SERVICE**

**Service to Biology Department**

2014-2017 Director, BS Environmental Science Program

2009-2017 Chair, Dujay Wildlife Fund Committee

2008-2016 Member, Ramsey and Ohmstede Award committees

2008-2017 Member, Graduate Curriculum Committee

2007-2017 Curator, ornithological collections

2014-2017 Weave coordinator for BS Environmental Science

2016-2017 Weave coordinator for Biol 2306

2011-2014 Weave coordinator for Biol 2401

2008-2009 Member, toxicology/molecular biology search committee

2007-2008 Member, Undergraduate Curriculum Committee

**Service to College of Arts and Sciences/Lamar University**

2017 Chair, Search Committee for Chair of Biology

2017 Member, Arts and Sciences Promotion and Tenure Committee

2017 Mentor, Cardinal Community

2015, 2016 Mentor, Freshman Interest Group

2014-2016 Member, Faculty Senate

2013-2015 Director of Sustainability

2011-2012 Member, Faculty Learning Community on Sustainability

2009, 2010 Member, Mirabeau Scholarship Committee, Arts and Sciences

2008-2009 Member, Arts and Sciences Faculty Committee

2007-2017 Member, Graduate Faculty

**Service to local community**

2012 Board Member, Golden Triangle Audubon Society

2010-2011 President, Golden Triangle Audubon Society

2008-2009 Vice-president, Golden Triangle Audubon Society