
JIM ARMACOST, JR.

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Last updated: October 2013

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

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.

Manuscripts in revision

Armacost, Jr., J. W. 2012. Interspecific aggression among three sympatric species of *Synallaxis* spinetails. Ornithologia Neotropical.

Presentations at scientific conferences (last five years)

Gifford, K. L., and **J. W. Armacost, Jr.** 2011. Use of monotypic Chinese tallow tree stands by resident and migrant birds in Southeast Texas. Presented at the 2011 Texas Invasive Plant & Pest Conference, 8 November, Austin, Texas.

Gifford, K. L., and **J. W. Armacost, Jr.** 2011. Use of monotypic Chinese tallow tree stands by resident and migrant birds in Southeast Texas. Presented at the 129th Stated Meeting of the American Ornithologists' Union, 29 July, Jacksonville, Florida.

Ayers, A. J., and **J. W. Armacost, Jr.** 2010. Assessing avian mortality rates and population impacts associated with an electrical transmission line in Jefferson Co., TX. Presented at the 128th Stated Meeting of the American Ornithologists' Union, 8 February, San Diego, California.

Armacost, Jr., J. W., and A. P. Capparella. 2008. Colonization of mainland agricultural habitats by avian river-island specialists along the Amazon River in Peru. Presented at the 126th Stated Meeting of the American Ornithologists' Union, 5 August, Portland, Oregon.

Grants received (last five years)

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
Bio 4409/5409	Ornithology	lecture and lab
Biol 4302/5302	Conservation Biology	lecture only
Bio 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
Bio 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
Biol 5101	Avian Ecology

Committee chair for thesis Master's students

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

Alicia Rodriguez – 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 *Hemiphysalis 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.

Committee member for non-thesis Master's students

Joseph Guyote	graduated 2013
Isla Cameron	graduated 2013
Kathryn	graduated 2013
Joe Parish	graduated 2001
Kathy Krotzer	graduated 2011
Bill Manhart	graduated 2010
Hunter Keeney	graduated 2010
Ashley Walthall	graduated 2009

Undergraduate research students

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

2008. Kyle Mead

2008. Trevor Armstrong.

2008, 2009. Kathryn Johnson.

2009, 2010. Mattie Jordan.

2009. Brett Cormier.

2009, 2010. Cody Conway.

2010. Jon Price.

2011. Christopher Mays.

2011-2013. Paige Pritchard.

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

2009, 2010. Cody Conway.

Recovery of marshland bird populations following Hurricane Ike.

2010. Emily Ford.

2010. Corey Cox.

Undergraduate Honors Students

2010. Erin Binagia – Honors Ornithology (Bio 4409)

SERVICE

Service to Biology Department

2007-2013. Curator, ornithological collections.

2009-2013. Chair, Dujay Wildlife Fund Committee.

2008-2013. Member, Ramsey and Ohmstede Award Committees.

2008-2009. Member, toxicology/molecular biology search committee.

2008-2013. Member, Graduate Curriculum Committee.
2007-2008. Member, Undergraduate Curriculum Committee.
2011-2013. Weave coordinator for Biol 2401.
2007-2012. Reader for SACS student evaluations.
2007-2013. Twenty-seven letters of recommendation written for 20 students.

Service to College of Arts and Sciences/Lamar University

2013. Director of Sustainability, Lamar University
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.
2007-2012. Member, Graduate Faculty.

Service to professional societies

2012. Reviewed paper for PLOS One.
2011-2012. Member, expert list for Institute for the Study of Invasive Species.
2010. Reviewed student research grant applications for Texas Academy of Science.
2005-2011. Member, Editorial Assistance Program, Association of Field Ornithologists.
2008, 2012. Reviewed papers for Texas Journal of Science.

Service to local community

2012. Board Member, Golden Triangle Audubon Society.
2010-2011. President, Golden Triangle Audubon Society.
2012. Research profiled in "Chinese tallow growth negative for native birds."
Cardinal Cadence 40 (1): 36.
2011. Quoted in "Fleeting sights: fishermen, hunters join Audubon society to learn about nature and help collect data". The Beaumont Enterprise. 24 February.
2010. Quoted in (and my photographs used in) "Bird alert: spring brings out the sun and the rain, but it also brings a time to watch the flock of feathered friends fly and flutter". The Beaumont Enterprise. 22 April.
2009. Quoted in "Rec room: Village Creek could double in size with state panel vote". The Beaumont Enterprise. 4 November.
2008-2009. Vice-president, Golden Triangle Audubon Society.
2008. Quoted in "Honk if you love geese". The Beaumont Enterprise. 14 December.

Public lectures for local community

Armacost, Jr., J. W., and K. L. Gifford. 2010. Use of monotypic Chinese tallow tree stands by resident and migrant birds in Southeast Texas. Presented to the Golden Triangle Audubon Society, 20 January, Beaumont, TX.

Armacost, Jr., J. W. 2010. Ornithology. Presented to the Sabine-Neches Chapter of the Texas Master Naturalist Program, 25 September, Village Creek State Park, TX.

Armacost, Jr., J. W. 2009. Ornithology. Presented to the Sabine-Neches Chapter of the Texas Master Naturalist Program, 1 October, Village Creek State Park, TX.

Armacost, Jr., J. W. 2009. Avian community responses to vegetative recovery following Hurricane Rita. Presented to the Golden Triangle Audubon Society, August 20, Beaumont, TX.

Armacost, Jr., J. W. 2008. Colonization of mainland agricultural habitats by avian river-island specialists along the Amazon River in Peru. Presented to the Lower Trinity Valley Bird Club, 11 October, Liberty, TX.

Armacost, Jr., J. W. 2008. Life on the Amazon: ecology and conservation of Amazonian river-island birds. Presented to the Golden Triangle Audubon Society, May 22, Beaumont, TX.

Armacost, Jr., J. W. 2008. Warblers of Village Creek State Park. Presented to the Village Creek State Park Volunteers' Association, April 17, Village Creek State Park, TX.

PROFESSIONAL LICENSES

Master Banding Permit, Bird Banding Laboratory, U.S. Geological Survey
Special Purpose Salvage Permit, Migratory Bird Permit Office, U.S. Fish and Wildlife Service
Scientific Research Permit, Texas Parks and Wildlife Department