

CURRICULUM VITAE

GREGORY WAYNE STUNZ

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Birth date: May 2, 1967

Birthplace: Houston, Texas

Education:

Institution:	Degree:	Date:	Field of Study:
University of Texas at San Antonio	B.S.	1990	Biology
Texas A&M University	M.S.	1995	Wildlife and Fisheries Sciences
Texas A&M University	Ph.D.	1999	Wildlife and Fisheries Sciences

Present Position:

2007 - present Endowed Associate Research Professor, Harte Research Institute for Gulf of Mexico Studies-Texas A&M University-Corpus Christi

2006 - present Associate Professor of Marine Biology - Texas A&M University-Corpus Christi

Professional Background:

2002 - 2006 Assistant Professor of Marine Biology - Texas A&M University-Corpus Christi

1999 - 2002 Research Fishery Ecologist, United States Department of Commerce, National Oceanographic and Atmospheric Administration, Galveston Laboratory Texas

2002 Adjunct Professor of Biology, Texas A&M University at Galveston

2001 Post-Doctoral Fellow, Texas A&M University/NOAA-Fisheries

1999 - 2001 Lecturer in Marine Biology, Texas A&M University at Galveston

1998 - 1999 Texas Institute of Oceanography Fellow, Texas A&M University at Galveston

1994 - 1998 Graduate Research/Teaching Assistant, Texas A&M Universities

1987 - 1994 Senior Research Assistant, Southwest Foundation for Biomedical Research, San Antonio, Texas

Areas of Specialization:

Research interests are in marine biology with an emphasis in fisheries and marine ecology. Specifically, my research centers on understanding the relative value of habitat for aquatic organisms. Much of this work is directed towards determining temporal and spatial distributions of fishes as well as the causes and consequences of habitat use.

Research Grants: (Cumulative Total - \$5,816,355)

* Please see Current and Pending appendix for details

- 2009-2012 Acquisition of equipment to quantify environmental conditions in estuarine systems. **National Science Foundation**. G. Stunz (Co-PI), L. Smee (PI), P. Montagna (Co-PI), A. Mestas (Co-PI), Overath (Co-PI).- \$389,542
- 2009-2011 CAMEO: Building the foundation- An integrative approach to managing the dewatering of estuaries. **National Science Foundation**. G. Stunz (Co-PI), P. Montagna (Co-PI), J. Gibeaut (Co-PI), T. Shirley (Co-PI), R. Mclaughlin (Co-PI), D. Yoskowitz (Co-PI). - \$454,180
- 2009-2011 Testing hypotheses on red snapper survival and stock and recruitment patterns. **Environmental Defense Fund**. G. Stunz (Co-PI), S. Diamond (PI) - \$66,582.
- 2009-2011 Texas Coastal Management Program Section 309 Assessment and Strategies Report 2011 - 2015. **Texas General Land Office - Coastal Management Program**. Stunz (Co-PI), R. Mclaughlin (PI), J. Gibeaut (Co-PI), P. Montagna (Co-PI), T. Shirley (Co-PI), D. Yoskowitz (Co-PI). - \$268,936.
- 2009-2010 Habitat use of spotted seatrout in Texas coastal waters: Using ultrasonic acoustic telemetry to determine movement patterns of this important recreational fishery. **Harvey-Weil Conservationist Trust**. G Stunz (PI) \$10,000.
- 2008-2011 Evaluation of ecosystem services of coastal habitats. **U.S. Environmental Protection Agency; Gulf of Mexico Program**. G. Stunz (Co-PI), D. Yoskowitz (PI), J. Gibeaut (Co-PI)- \$199,762.
- 2008-2010 Estuarine Habitat Loss: Impacts of essential nursery habitat fragmentation on marine fishes. **Norman Hackerman Advanced Research Program**. G. Stunz (PI), J. Holt (Co-PI)- \$150,000.
- 2008-2010 Assessing stock enhancement efficacy and the success of hatchery-reared fish using a combination of genetics and otolith chemistry. **National Oceanic and Atmospheric Association – Saltonstall-Kennedy**. G. Stunz (Co-PI)- \$96,945.
- 2008-2009 Gulf of Mexico Alliance: Identification and Characterization of Gulf Habitats Priority Issues Team. **National Oceanic and Atmospheric Association- Gulf of Mexico Alliance** G Stunz (Co-PI). J. Gibeaut (PI), P. Montagna (Co-PI), T. Shirley (Co-PI), R. Mclaughlin, L. McKinney (Co-PI), D. Yoskowitz (Co-PI) and 7 other Co-PIs. -\$2,436,113.
- 2007-2009 Is Padre Island National Seashore essential shark habitat?: Estimation of demographics feeding habitats, and nurseries for an important park fishery. **United States Department of the Interior/USGS**. G. Stunz (PI), Wildhaber (Co-PI)- \$34,066.
- 2007-2008 Are oyster reefs “essential” essential fish habitat for fishery species in Copano Bay, Texas? **National Oceanic and Atmospheric Association/Texas General Land Office/Coastal Management Program**. G. Stunz (PI), J Simons (Co-PI)- \$32,213.

- 2007-2009 Closure of the Port Mansfield Channel: impacts to recreational fisheries in the Laguna Madre, Texas. **Coastal Conservation Association**. G. Stunz (PI), D. Overath (Co-PI)- \$32,000.
- 2007-2008 Effects of hypoxia on estuarine fishes in their nursery habitats. **Texas A&M University System Texas Research Development Fund**. G. Stunz (PI)- \$35,196.
- 2007-2008 Silting and closure of Port Mansfield Channel: Impacts to a \$1.3 Billion fishing industry in Texas. **Texas A&M University System Texas Research Development Fund**. G. Stunz (PI)- \$11,000.
- 2006-2009 Effects of a tidal channel opening on nekton abundance. **Environmental Protections Agency - Coastal Bend Bays and Estuaries Program**. G. Stunz (PI), S. Holt (Co-PI) - \$90,000.
- 2006 - 2008 Recruitment, spatial distribution, and fine-scale movement patterns of red drum through major and shallow passes. **National Oceanic and Atmospheric Association - Sea Grant**. G. Stunz (PI), S. Holt (Co-PI) \$245,164.
- 2006 - 2007 Origins of spotted seatrout stocks: assessing contribution of nursery grounds to adult stocks? **Texas A&M University System Texas Excellence Fund**. G. Stunz (PI)- \$33,173.
- 2006 - 2007 Are oyster reefs “essential” Essential Fish Habitat for fishery species in Lavaca Bay, Texas? **United States Fish and Wildlife Service**. G. Stunz (PI), J. Simmons (Co-PI)- \$71,086.
- 2005 - 2007 Impact of new tidal inlet on estuarine fish growth. **Texas A&M University-Corpus Christi**. G. Stunz (PI)- \$3,076
- 2005 - 2007 Southern flounder decline in Texas. **Coastal Conservation Association**. G. Stunz (PI)- \$17,350.
- 2005 - 2006 Effects of a tidal channel opening on nekton abundance. **Environmental Protections Agency - Coastal Bend Bays and Estuaries Program**. G. Stunz (PI)- \$50,000.
- 2005-2006 Essential Nursery Habitat for red drum. **Texas A&M University-Corpus Christi**. G. Stunz (PI)- \$13,640
- 2005 Are estuaries critical “nurseries” for marine fishes? **Texas A&M University System Texas Excellence Fund**. G. Stunz (PI)- \$31,000.
- 2004 - 2006 The role of larval supply and post-settlement processes in recruitment variability of southern flounder populations. **National Oceanic and Atmospheric Association - Sea Grant**. **S. Holt (PI)**, G. Stunz (Co-PI) J. Rooker (Co-PI)- \$230,124
- 2004 - 2005 Catch and release mortality of spotted seatrout. **Coastal Conservation Association**. G. Stunz (PI)- \$15,000.
- 2004 - 2005 Recruitment of fishes through tidal passes. **Texas A&M University-Corpus Christi**. G. Stunz (PI)- \$5,778.
- 2003 - 2004 Catch and release mortality of spotted seatrout. **Coastal Conservation Association**. G. Stunz (PI)- \$12,000.
- 2003-2004 The role of oyster reef and Essential Fish Habitat. **Texas A&M University-Corpus Christi**. G. Stunz (PI)- \$12,650.

- 2001 - 2003 Origins of red drum stocks: assessing the contribution of different nursery grounds using biogeochemical fingerprints. **National Oceanic and Atmospheric Association - Sea Grant**. J. Rooker (PI), G. Stunz (Co-PI), S. Holt (Co-PI)- \$293,052.
- 2002 Characterization of tropical habitat types as essential fish habitat for Caribbean fishery species. **National Oceanic and Atmospheric Association - Coral Reef Initiative**. T. Minello (PI), G. Stunz (Co-PI) R. Hill (Co-PI), P. Sheridan (Co-PI)- \$125,000.
- 2002 Ecopath models for the Gulf of Mexico. **National Oceanic and Atmospheric Association - Marine Fisheries Initiative**. G. Stunz (Co-PI), T. Minello (Co-PI), J. Browder (Co-PI)- \$25,000.
- 2001 Rescue and integration of the most comprehensive data set available on commercially important shrimp species in the Gulf of Mexico. **National Oceanic and Atmospheric Association - Environmental Services Data and Information Management**. G. Stunz (PI), T. Minello (Co-PI), J. Ditty (Co-PI)- \$110,000.
- 2001 Ecopath models for the gulf of mexico. **National Oceanic and Atmospheric Association - Marine Fisheries Initiative**. G. Stunz (Co-PI), T. Minello (Co-PI), R. Zimmerman (Co-PI), J. Browder (Co-PI)- \$124,974.
- 1997 - 1999 Recruitment and post-recruitment of red drum in Galveston bay: what nursery habitats are critical? **National Oceanic and Atmospheric Association - Sea Grant**. P. Levin (PI), G. Stunz (Co-PI)- \$84,753.
- 1997 Habitat related mortality and growth of juvenile red drum in Galveston bay. **Texas A&M University**. G. Stunz (PI), W. Evans (Co-PI)- \$7000.

Publications:

Manuscripts in Preparation:

† Denotes student publications under mentorship of Stunz

† Burfeind, D.D., G.W. **Stunz**, R. Fikes, K. Withers. 2008. The effects of boat propeller scarring intensity on benthic infauna abundance in subtropical seagrass meadows. **Wetlands**

† Bushon, A.M., G.W. **Stunz**, M.M. Reese and S.A. Holt. 2008. Recruitment, spatial distribution, and fine-scale movement patterns of estuarine-dependent species through tidal inlets. **Fisheries Management and Ecology**

Stunz, G.W., T.J. Minello, L. Rozas. 2008. Oyster reef as essential fish habitat. **Marine Ecology Progress Series**

Stunz, G.W. A. Bushon, M. Reese, S. Nanez-James 2008. Early life history of red drum. **Marine Fisheries Review** (Review paper invited by Journal Editor, R. Stickney)

Stunz, G.W. and T.J. Minello. 2008. Habitat-specific growth of white shrimp (*Litopenaeus setiferus*) and brown shrimp (*Farfantepenaeus aztecus*) in a Texas estuary. **Marine Biology**

Stunz, G.W. and T.J. Minello. 2008. Factors controlling prey selection by southern flounder (*Paralichthys lethostigma*). **Marine Ecology Progress Series**

Stunz, G.W. M.M. Reese, and J. Simons 2008. Habitat value of subtidal oyster reef in Lavaca Bay, Texas. **Journal of Shellfish Research**

† **Wrast, J.L., J. Simons, and G.W. Stunz.** 2008. Spatiotemporal and habitat mediated food web dynamics in Lavaca Bay, Texas. **Marine Ecology Progress Series**

Manuscripts in Review/Revision:

† **Neahr, T.A., G.W. Stunz, and T.J. Minello.** 2009. Habitat use patterns of newly-settled spotted seatrout in western gulf coast estuaries. **Fisheries Management and Ecology (In Review)**

† **Froeschke, J., G.W. Stunz,** 2009. Hierarchical and interactive habitat selection in response to abiotic and biotic factors: The effect of hypoxia on habitat selection of juvenile estuarine fishes. **Ecology (In Revision)**

Larkin, P.D., K.L. Heideman, D.D. Burfeind, and G.W. Stunz. 2009. The effect of boat propeller scarring intensity on genetic variation in a subtropical seagrass species. **Botanica Marina (In Revision)**

Publications in National and International Journals:

† Denotes student publications under mentorship of Stunz

† **Nañez-James, S. E., G.W. Stunz, and S.A. Holt.** 2009. Nursery Habitat for Juvenile Southern Flounder, *Paralichthys lethostigma*, in Aransas Bay, Texas. **Estuaries and Coasts** 32:350-359

† **Reese, M.M., G.W. Stunz, and A.M. Bushon.** 2008. Recruitment of estuarine-dependent nekton through a new tidal inlet: the opening of Packery Channel in Corpus Christi, Texas. **Estuaries and Coasts** 31:1143-1157

† **Burfeind, D.D. and G.W. Stunz.** 2007. The effects of boat propeller scarring on nekton growth and size distribution in subtropical seagrass meadows. **Transactions of American Fisheries Society** 136:1546-1551

† **James, J.T., G.W. Stunz, D.A. McKee, and R.R. Vega.** 2007. Catch-and-release of spotted seatrout in Texas: the effect of tournaments, seasonality, and anatomical hooking location on mortality. **North American Journal of Fisheries Management** 27:900-907

† **Bushon, A.M., G.W. Stunz, and M.M. Reese.** 2007. Evaluation of visible implant elastomer for marking juvenile red drum in experimental studies. **North American Journal of Fisheries Management.** 27:460-464

Stunz, G.W. and D.A. McKee. 2006. Catch-and-release mortality of spotted seatrout (*Cynoscion nebulosus*) **North American Journal of Fisheries Management** 26:843-848

† **Burfeind, D.D. and G.W. Stunz.** 2006. The effects of boat propeller scarring intensity on nekton abundance in subtropical seagrass meadows. **Marine Biology** 148:953-962

Levin, P.S. and G. W. Stunz. 2005. Habitat triage for exploited fishes: Can we identify essential fish habitat? **Estuarine, Coastal and Shelf Science** 64:70-78

- Stunz, G.W., T.J. Minello, and P.S. Levin.** 2002. Growth of newly settled red drum (*Sciaenops ocellatus*) in different estuarine habitat types. **Marine Ecology Progress Series** 238:227-236
- Stunz, G.W., T.J. Minello, and P.S. Levin.** 2002. A comparison of early juvenile red drum densities among various habitat types in Galveston Bay, Texas. **Estuaries** 25:76-85
- Stunz, G.W. and T.J. Minello.** 2001. Habitat related predation on juvenile wild-caught and hatchery-reared red drum *Sciaenops ocellatus* (Linnaeus). **Journal of Experimental Marine Biology and Ecology** 260: 13-25
- Stunz, G.W., P.S. Levin and T.J. Minello.** 2001. Selection of estuarine nursery habitats by wild-caught and hatchery-reared red drum in laboratory mesocosms. **Environmental Biology of Fishes** 61:305-313
- Stunz, G.W., T.L. Linton, and R. L. Colura.** 2000. Age and growth of southern flounder in Texas waters, with emphasis on Matagorda Bay. **Transactions of the American Fisheries Society** 129:119-125
- Petrik, R. L., P.S. Levin, G.W. **Stunz** and J. Malone. 1999. Recruitment of Atlantic croaker, *Micropogonias undulatus*: Do post settlement processes disrupt or reinforce initial patterns of settlement? **Fishery Bulletin** 97:954-961
- Attanasio, R., G.W. **Stunz**, R.C. Kennedy. 1994. Folding pattern of immunoglobulin molecules identified by urea gradient electrophoresis. **Journal of Biological Chemistry** 269:1834-1838
- Attanasio, R., P. Kanda, G.W. **Stunz**, D.W. Buck, R.C. Kennedy. 1993. Anti-Peptide reagents identifies a primary-structure-dependent, cross-reactive idiotype expressed on heavy and light chains from a murine monoclonal anti-CD4. **Molecular Immunology** 30:9-17
- Warren, R.Q., H. Wolf, G.W. **Stunz**, R.C. Kennedy. 1993. Antibody reactivity to synthetic peptides representing the principal neutralizing determinant of HIV-1 in mouse strains following repeated immunization with recombinant gp160. **Experimental Clinical Immunogenetics** 10:168-175
- Wolf, H., R.Q. Warren, G.W. **Stunz**, K. Shuler, P. Kanda, R.C. Kennedy. 1992. Fine specificity of the murine antibody response to HIV-1 gp160 determined by synthetic peptides which define selected epitopes. **Molecular Immunology** 29:989-998
- Attanasio, R., R.E. Lanford, D. Dilley, G.W. **Stunz**, L. Notvall, A. B. Henderson, R.C. Kennedy. 1991. Immunogenicity of hepatitis B surface antigen derived from the baculovirus expression vector system: A mouse potency study. **Biologicals** 19:347-353

Abstracts, Proceedings, and Conference Publications/Presentations:

* Best Paper Presentation; † National; ^Δ Regional

- Bost, C., G. Stunz, B. Hale, and E. Billiot. 2009. Bioaccumulation of mercury in spotted seatrout, red drum, black drum, and southern flounder. Texas Academy of Science. Junction, TX^Δ

- Dominguez, I., and G. Stunz. 2009. Oysters as nekton habitat in estuarine ecosystems. American Association of Hispanics in Higher Education (AAHHE), Inc. San Antonio, TX^Δ
- Froeschke, J. and G. Stunz. 2009. Habitat selection patterns of coastal sharks in northwestern Gulf of Mexico. Benthic Ecology Meeting. Corpus Christi, TX[†]
- *Melendez, P., J. Froeschke, G. Jeffress, and G. Stunz. 2009. Using GIS to characterize shark distribution patterns along the Texas coast. Annual TAMUS Louis Stokes Alliances for Minority Participation (LSAMP) Symposium. Corpus Christi, TX^Δ
- Reese, M., G. Stunz, and M. Lopez. 2009. Density-dependent growth of red drum (*Sciaenops ocellatus*) in subtropical Texas estuaries. Benthic Ecology Meeting. Corpus Christi, TX[†]
- Stunz, G., S. Powers, and J. Fodrie. 2009. Basin-wide decrease in large sharks documented by a unique eight-decade data set from the Gulf of Mexico. Benthic Ecology Meeting. Corpus Christi, TX[†]
- Carrillo, M., G. Stunz, M. Reese, J. Froeschke. 2008. The closing of Port Mansfield Channel and its impact on recreational fisheries in the Laguna Madre, TX. 2008 Annual TAMUS LSAMP Symposium. Houston, TX^Δ
- * Froeschke, J. and G. Stunz. 2008. The effect of hypoxia on habitat selection of juvenile estuarine fishes. Texas Bays and Estuaries Meeting. Port Aransas, TX^Δ
- Froeschke, J. and G. Stunz. 2008. The effect of hypoxia on habitat selection of juvenile estuarine fishes. American Society of Ichthyologists and Herpetologists. Montreal, Canada[†]
- Reese, M, G. Stunz, and J. Simons. 2008. Subtidal oyster reef as nekton habitat in Matagorda Bay, Texas. Texas Bays and Estuaries Meeting. Port Aransas, TX^Δ
- Wrast, J, J. Simons, and G. Stunz. 2008. Spatiotemporal and habitat mediated food web dynamics in Lavaca Bay, Texas. Texas Academy of Science, Corpus Christi, TX^Δ
- Reese, M., G. Stunz, and A. Bushon. 2007. Impacts of a new tidal inlet on estuarine nekton: the opening of Packery Channel in Corpus Christi, Texas. Estuarine Research Federation, Providence, RI[†]
- Stanford, B., G. Stunz, and R. Thomas. 2007. Physiological responses of spotted seatrout: effect of recreational and tournament angling. American Society of Ichthyologists and Herpetologists, St. Louis, MO[†]
- Stunz, G., T. Minello, and L. Rozas. 2007. Oyster reef as essential habitat for finfishes and invertebrates. Estuarine Research Federation, Providence, RI[†]
- Wrast, J., J. Simons, and G. Stunz. 2007. Spatial and temporal variability in oyster reef food web structure compared to other estuarine habitats. Estuarine Research Federation, Providence, RI[†]
- Wrast, J., J. Simons, G. Stunz. 2007. Spatial and temporal food web analysis of potential, essential fish habitat types in Lavaca Bay, Texas. Texas Academy of Science, Waco, TX^Δ
- Ybanez, C., R. Thomas, and G. Stunz. 2007. Survival Advantage of Living in the Intertidal Zone: *Perkinsus marinus* (Dermo) and Heat Shock Survival in Eastern Oysters (*Crassostrea virginica*). Estuarine Research Federation, Providence, RI[†]
- * Bayer, S., G. Stunz, M. Reese, A. Bushon. 2006. Impacts of a New Tidal Inlet on Estuarine Nekton: The opening of Packery Channel in Corpus Christi, Texas. Ocean Science Meeting (ASLO, AGU, TOS), Honolulu, HI[†]

- *Bayer, S., G. **Stunz**, M. Reese, A. Bushon. 2006. Impacts of a New Tidal Inlet on Estuarine Nekton: The opening of Packery Channel in Corpus Christi, Texas. Society for the Advancement of Chicanos and Native Americans in Science. Tampa, FL[†]
- Bushon, A., G. **Stunz**, and M. Reese. 2006. Recruitment, spatial distribution, and fine-scale movement patterns of red drum (*Sciaenops ocellatus*) through major and shallow passes in Texas. Dauphin Island Sea Lab Graduate Student Symposium, Dauphin Island, AL^Δ
- Bushon, A., G. **Stunz**, and M. Reese. 2006. Recruitment, spatial distribution, and fine-scale movement patterns of red drum (*Sciaenops ocellatus*) through major and shallow passes in Texas. Southern Division American Fisheries Society. San Antonio, TX^Δ
- Cardona, A., G. **Stunz**, A. Bushon, M. Reese. 2006. Recruitment of an estuarine dependent fish from varying distances from a tidal inlet. Ocean Science Meeting (ASLO, AGU, TOS), Honolulu, HI[†]
- * Calderón, R., G. **Stunz**. 2006. A new method for sampling nekton on oyster reef habitat. Society for the Advancement of Chicanos and Native Americans in Science. Tampa, FL[†]
- Calderón, R., G. **Stunz**. 2006 A new method for sampling nekton on oyster reef habitat. Sixth Annual Undergraduate Research Symposium, Texas A&M-Corpus Christi, TX^Δ
- Reese, M., G. **Stunz**, A. Bushon. 2006. Impacts of a New Tidal Inlet on Estuarine Nekton: The Opening of Packery Channel in Corpus Christi, Texas. Southern Division American Fisheries Society. San Antonio, TX^Δ
- Reese, M., G. **Stunz**, A. Bushon. 2006. Impacts of a New Tidal Inlet on Estuarine Nekton: The Opening of Packery Channel in Corpus Christi, Texas. Dauphin Island Sea Lab Graduate Student Symposium, Dauphin Island, AL^Δ
- Lowe, B., G.W. **Stunz**, M. Kirilin, and T. Neahr. 2006. Habitat use patterns of juvenile spotted seatrout. Benthic Ecology Meeting, Quebec City, Canada[†]
- * Stanford, B., R. Thomas, G. **Stunz**. 2006. Physiological stress of spotted seatrout (*Cynoscion nebulosus*) following hook and line capture. Gulf Estuarine Research Society, Corpus Christi, TX^Δ
- ***Stunz**, G. T. Minello, L. Rozas. 2006. Oyster reef as essential fish habitat. Southern Division American Fisheries Society. San Antonio, TX^Δ
- * Ybanez, C., R. Thomas, G. **Stunz**, S. Ray. 2006. *Perkinsus marinus* (dermo) infection varies in intertidal vs. subtidal eastern oysters. Gulf Estuarine Research Society, Corpus Christi, TX^Δ
- Stunz**, G.W., J. Rooker, J. Holt, and S. Holt. 2005. Origins of red drum stocks: Assessing the contribution of different nursery grounds using chemical signatures. Gulf Estuarine Research Society, Pensacola, FL. ^Δ
- Stunz**, G. W. 2005. The status of southern flounder and future needs. Texas Aquaculture Association, Scientific Panelist. Corpus Christi, TX^Δ
- *Cardona, A., G.W. **Stunz**, and A. Bushon. 2005. Recruitment of an estuarine dependent fish from varying distances from a tidal inlet. American Society of Limnology and Oceanography, Salt Lake City, UT[†]
- *James, J., and G.W. **Stunz**. 2005. Catch and release mortality of spotted seatrout (*Cynoscion nebulosus*). Texas Bays and Estuaries Meeting, Port Aransas, TX^Δ

- James, J., and G.W. **Stunz**. 2005. Catch and release mortality of spotted seatrout (*Cynoscion nebulosus*). American Fisheries Society, Grapevine, TX^Δ
- Nanez-James, S., S. Holt, J. Rooker, and G.W. **Stunz**. 2005. Identification of nursery habitat for juvenile southern flounder in Aransas Bay, Texas. American Fisheries Society, Grapevine, TX^Δ
- Nanez-James, S., and G.W. **Stunz**. 2005. Identification of nursery habitat for juvenile southern flounder in Aransas Bay, Texas. American Society for Limnology and Oceanography, Salt Lake City, UT[†]
- *Nanez-James, S., G.W. Stunz, S. Holt, and J.R. Rooker. 2005. Identification of nursery habitat for juvenile southern flounder in Aransas Bay, Texas. Texas Bays and Estuaries, Port Aransas, Texas^Δ
- *Nanez-James, S., G.W. Stunz, S. Holt, and J.R. Rooker. 2005. Identification of nursery habitat for juvenile southern flounder in Aransas Bay, Texas. Gulf Estuarine Research Society, Pensacola, Florida^Δ
- ***Stunz**, G.W., J. Rooker, J. Holt, and S. Holt. 2005. Origins of red drum stocks: assessing the contribution of different nursery grounds using chemical signatures. American Fisheries Society, Grapevine, TX^Δ
- Burfeind, D.D., and G.W. **Stunz**. 2004. Effects of propeller scarring on seagrass associated fauna. Benthic Ecology Meeting, Mobile, AL[†]
- Burfeind, D.D., and G.W. **Stunz**. 2004. Effects of propeller scarring on seagrass associated fauna. American Society of Limnology and Oceanography, Savannah GA[†]
- Burfeind, D.D., and G.W. **Stunz**. 2004. Effects of propeller scarring on seagrass associated fauna. Texas Chapter of the American Fisheries Society, College Station, TX^Δ
- Burfeind, D.D., and G.W. **Stunz**. 2004. Effects of propeller scarring on seagrass associated fauna. Pathways in Research Symposium, Corpus Christi, TX
- Cardona, A., G.W. **Stunz**, N.T. Booker, and E.G. Lewis. 2004. Examinations of pond water quality at Orangeburg, South Carolina. Texas A&M University-Corpus Christi Undergraduate Symposium, Corpus Christi, TX^Δ
- James, J.T., G.W. **Stunz**, and D.A. McKee. 2004. Catch and release mortality of spotted seatrout (*Cynoscion nebulosus*). 2nd Annual TAMUS Pathways Research, Corpus Christi, TX^Δ
- Melody, K., G.W. **Stunz**, and D.D. Burfeind. 2004. Effects of propeller scarring on gastropod densities in Redfish Bay, Texas. NIH SURFER Program, Corpus Christi, TX^Δ
- Nanez-James, S., G.W. **Stunz**, J. Rooker, and S. Holt. 2004. Identification and characterization of nursery habitat for juvenile southern flounder in Aransas Bay, Texas. American Society for Limnology and Oceanography, Savannah, GA[†]
- Nanez-James, S., G.W. **Stunz**, J. Rooker, and S. Holt. 2004. Identification and characterization of nursery habitat for juvenile southern flounder in Aransas, Bay, Texas. Texas A&M University-Corpus Christi Pathways Symposium, Corpus Christi, TX^Δ
- Stunz**, G.W., and D.A. McKee. 2004. Catch and release mortality of spotted seatrout. American Fisheries Society, College Station, TX^Δ

- Stunz**, G.W., J. Rooker, J. Holt, and S. Holt. 2004. Origins of red drum stocks: assessing the contribution of different nursery grounds using chemical signatures. Sea Grant Researcher Conference, Port Aransas, TX^Δ
- Treece, E., G.W. **Stunz**, and J.T. James. 2004. Catch and release mortality of spotted seatrout (*Cynoscion nebulosus*). SURF Program, Corpus Christi, TX^Δ
- Young, K., G.W. **Stunz**, and S. Nanez-James. 2004. Identification of nursery habitat for juvenile bay whiffs (*Citharichthys spilopterus*) in Aransas Bays, Texas. NIH SURFER Program, Corpus Christi, TX^Δ
- Burfeind, D.D. and G.W. **Stunz**. 2003. Effects of propeller scarring on seagrass associated fauna. Pathways in Research Symposium, Galveston, TX^Δ
- Bushon, A., and G.W. **Stunz**. 2003. Catch and release mortality of spotted seatrout (*Cynoscion nebulosus*). SURF Program, Corpus Christi, TX^Δ
- Levin, P.S., R.W. Zabel, and G.W. **Stunz**. 2003. Habitat triage for transient estuarine fishes. Estuarine Research Federation, Seattle, WA[†]
- Reese, M., G.W. **Stunz**, and D.D. Burfeind. 2003. The effects of varying levels of propeller scarring on seagrass associated fauna. SURFER Program, Corpus Christi, TX^Δ
- * **Stunz**, G.W., T. Minello, P.S. Levin. 2003. Selection of estuarine nursery habitats by wild-caught and hatchery-reared juvenile red drum. American Fisheries Society, Galveston, TX^Δ
- Stunz**, G.W., T. Minello, and R. Zimmerman. 2001. Ecopath models for the Gulf of Mexico. Marine Fisheries Initiative (MARFIN) 13th Annual Conference, Tampa, FL^Δ
- * **Stunz**, G.W., T. Minello, and P.S. Levin. 1999. Recruitment, growth, and predation of red drum, a seagrass dependent fish, in the absence of seagrass. American Fisheries Society, College Station, TX^Δ
- * **Stunz**, G.W., T. Minello, and P.S. Levin. 1999. Recruitment, growth, and predation of red drum, a seagrass dependent fish, in the absence of seagrass. Gulf Estuarine Research Society/Benthic Ecology Meeting, Baton Rouge, LA[†]
- Stunz**, G.W., T. Minello, and P.S. Levin. 1999. Nursery habitat for red drum in Galveston Bay. Estuarine Research Federation, New Orleans, LA[†]
- Stunz**, G.W., and P.S. Levin. 1997. Critical nursery habitat for red drum in Galveston Bay. Texas Sea Grant Researcher Conference, College Station, TX
- Stunz**, G.W., and P.S. Levin. 1997. Recruitment patterns and habitat preference of red drum in Galveston Bay. Benthic Ecology Annual Meeting, Portland, ME[†]
- Stunz**, G.W., R. Colura, and T. Linton. 1996. Age, growth, and mortality of southern flounder in Texas Bays. Benthic Ecology Annual Meeting, Columbia, NC[†]
- Stunz**, G.W., R. Colura, and T. Linton. 1996. Age and growth of southern flounder in Texas Bays. American Society of Ichthyologist and Herpetologist Annual Meeting, New Orleans, LA[†]
- Stunz**, G.W., R. Colura, and T. Linton. 1995. Age and growth of southern flounder. American Fisheries Society, College Station, TX^Δ

Technical Reports:

- Reese M.M., J.L. Wrast, **G.W. Stunz**, and J. Simons. 2009. Characterizing oyster reefs in Lavaca Bay. Final Report to State Wildlife Grants Program Texas. Submitted Feb. 9, 2009.
- Stunz G.W.** and M.M. Reese. 2008. Impacts of a new tidal inlet on estuarine nekton: Fisheries recruitment assessment of Packery Channel post-opening in Corpus Christi, Texas. Final Report to Coastal Bend Bays and Estuaries Program. Submitted Dec 18, 2008.
- Stunz G.W., **M.M. Reese**, A.M. Bushon. 2006. Impacts of a new tidal inlet on estuarine nekton: The opening of Packery Channel in Corpus Christi, Texas. Final Report to Coastal Bend Bays and Estuaries Program. Submitted Aug. 17, 2006.

Theses Titles:

- 1995 - 1999 Ph.D. Dissertation: Causes and consequences of recruitment patterns in red drum (*Sciaenops ocellatus*): The significance of settlement and post-settlement loss.
- 1994 - 1995 Master's Thesis: Age and Growth of Southern Flounder (*Paralichthys lethostigma*) from Matagorda Bay, Texas.

Editorships:

- 2006 - 2008 Associate Editor, American Midland Naturalist

Journal and Grant Reviewer:

- 2009 - present NOAA - National Estuarine Research Reserve
- 2008 - present ICES - Journal of Marine Science
- 2008 - present Maryland Sea Grant
- 2007 - present North Carolina Sea Grant
- 2006 - present Southwestern Naturalist
- 2006 - present Southeastern Naturalist
- 2005 - present Marine Ecology Progress Series
- 2005 - present Marine and Freshwater Research
- 2005 - present Gulf of Mexico Science
- 2005 - present Gulf and Caribbean Research
- 2004 - present National Science Foundation
- 2003 - present Bulletin of Marine Science
- 2002 - present Fishery Bulletin
- 2002 - present Water Resources Research Institute
- 2002 - present Wetlands
- 2001 - present North American Journal of Fisheries Management
- 2001 - present Copeia
- 2001 - present Estuarine Coastal and Shelf Science
- 2001 - present Canadian Foundation for Innovation
- 2001 - present NOAA Coastal Ocean Program
- 1999 - present Transactions of the American Fisheries Society
- 1999 - present NOAA Sea Grant College Program
- 1999 - present NOAA Marine Fisheries Initiative (MARFIN)

1998 - present Journal of Fish Biology

Review Panels:

2002 NOAA - Marine Fisheries Initiative
 2007 NOAA - North Carolina Sea Grant
 2008 NOAA – Cooperative Research Program

Teaching Experience (Evaluation Average 4.57/5.0; College Mean 4.27):

*Teaching portfolio available.

Courses (Graduate):

Environmental Biology - Texas A&M University-Corpus Christi - 2 Sections
 Marine Ecology - Texas A&M University-Corpus Christi - 4 Sections
 Fisheries Biology - Texas A&M University-Corpus Christi - 2 Sections

Courses (Undergraduate):

Marine Fish Management - Texas A&M University at Galveston - 3 Sections
 Ichthyology - Texas A&M University at Galveston - 1 Section
 Introduction to Biology I - Texas A&M University (Corpus/Galveston) - 5 Sections
 Introduction to Biology II - Texas A&M University (Corpus/Galveston) - 5 Sections
 Field and Sampling Techniques - Texas A&M University-Corpus Christi - 1 Section
 Fisheries - Texas A&M University-Corpus Christi - 2 Sections

Doctor of Philosophy - Dissertation Advisor:

2006 - present John Froeschke, Current student
 2008 - present Judd Curtis, Current student

Master of Science - Thesis Advisor (Name/Current Position):

2008 - present Laura Bivins, Fall 2008
 2008 - present Jason Williams, Fall 2008
 2008 - present Isis Dominguez, Current Student
 2008 - present Jason Slocum, Current Student
 2006 - 2008 Jenny Wrast - Research Assoc., Univ. of Houston Environ. Inst.
 2004 - 2006 Amanda Bushon- Fishery Biologist, West Virginia DNR
 2004 - 2006 Megan Reese - Research Specialist, TAMU-CC
 2004 - 2006 Todd Neahr - Texas Parks and Wildlife Department
 2003 - 2006 Suraida Nanez-James - Research Specialist, TAMU-CC
 2003 - 2006 Jason James - Biology Teacher May 2006 - Corpus Christ ISD
 2002 - 2004 Dana Burfeind - Ph.D. Student, University of Queensland
 2002 - 2004 Michael Mahala - Research Associate, University of Kentucky

Mentoring Programs:

2009 - present McNair Scholars Program (1 student intern)
 2007 - present National Science Foundation Research Experience for
 Undergraduates (BUENO) (2 student interns)
 2003 - present National Science Foundation Summer Undergraduate

- 2002 - present Research Focus (SURFers) (11 student interns)
 Alliance for Minority Participation in the Sciences (5 student interns)
- 2002 - present Faculty Mentors, Project Connection, TAMUCC
 2004 Undergraduate Mentoring in Environmental Biology, NSF (2 student interns)

Undergraduate Research Project Mentor (Independent Studies):

- 2009 Lew Lampton – Effect of salinity and temperature on captive red drum
 2008 Courtney Lee - Historical trends in fisheries based on 70 years of tournament data
 2008 Rachel Brewton - Fish habitat use of oyster reef
 2007 Michael Carrillo - The closure of a tidal inlet fisheries recruitment
 2007 Miranda Lopez - Growth of fishes in a new tidal inlet
 2006 Rafael Calderon - Oyster reef as essential fish habitat
 2006 Sarah Bayer – Opening of Packery Channel
 2006 Jason Hart - Overview of temporary threshold shift in bottlenose dolphins
 2005 Lynne Shearer - Habitat selection pattern for spotted seatrout
 2005 Ramiro Cervantes - Impacts of Packery Channel on nekton
 2005 Mollie McIver - Survey of reef fishes in Florida Keys National Marine Sanctuary
 2005 Ryan Fikes - Impact of propeller scars on benthic infauna
 2004 Annette Cardona - Monitoring and assessment of water quality in fish hatchery
 2004 Crystal Sanders - Techniques for otolith examination
 2004 Paul Gonzales - Effect of propeller scars on invertebrates
 2004 Ramiro Cervantes - Distribution and abundance of fishes in a lowland rainforest
 2004 Paul Gonzales - Age and growth of tropical fishes of Corcovado, Costa Rica
 2003 Edward Sardoni - Oyster reef as essential fish habitat
 2003 Ramiro Cervantes - Characterization of decapod crustaceans on oyster reefs
 2001 Adam Cohen - Systematic studies of *Fundulus singularis*
 2000 Michael Lowe - An examination of growth rate of white shrimp in Galveston Bay
 1998 Klayre Simon - Growth of red drum in various estuarine habitat types
 1998 Marissa Weber - Examining habitat preferences for juvenile Sciaenids
 1997 Laura Payne - Estuarine habitat preferences for red drum
 1997 Cori Kretzschmar - Selection of estuarine habitat by juvenile red drum
 1997 Todd Barron - Critical habitat of red drum in Galveston Bay
 1997 Christina Davis - Habitat preferences for Atlantic croaker and red drum

Bench Tutorials – High School Advanced Placement Students:

- 2002 Torey McBeth – Fish use of oyster reefs
 2001 Kelly Finn – Collection of red drum otoliths for microchemistry studies
 2001 Larry Perez - Growth of red drum under different salinities and temperatures

Teaching Assistantships:

- 1997 Marine Fish Management - Texas A&M University at Galveston
 1997 Mariculture - Texas A&M University at Galveston
 1996 Fish Population Dynamics - Texas A&M University at Galveston
 1996 Marine Fish Management - Texas A&M University at Galveston (Spring)
 1996 Marine Fish Management - Texas A&M University at Galveston (Fall)

1995 Animal Ecology - Texas A&M University
 1995 Ecology for Teachers - Texas A&M University
 1995 Microbiology Laboratory - Texas A&M University at Galveston
 1995 Marine Fish Management - Texas A&M University at Galveston
 1994 Microbiology Laboratory - Texas A&M University
 1994 Ecology for Teachers - Texas A&M University
 1994 Animal Ecology - Texas A&M University

University Service:

2009- present McNair Scholar Program Mentor
 2008 Department Chair Search - Texas A&M University at Galveston
 2008 Curriculum Committee - Coastal and Marine System Science
 2008 - present Department of Life Sciences - Graduate Program Committee
 2008 - present Science and Technology Field Trip Committee
 2007 - present Texas Science Technology Engineering, Math Initiative instructor
 2007 - present Science and Technology Distinguished Lecturer Series, Chair
 2006 - present Marine Biology MS/Ph.D. Degree Development Committee, Chair
 2006 Department Chair Search Committee, Life Sciences
 2005 Dean Search Committee
 2005 - present Chair, Institutional Animal Care and Use Committee
 2005 Momentum 2015, Excellence and Engagement Committee
 2005 Harte Research Institute, Strategic Planning Committee
 2005 Harte Research Institute, PhD Handbook Committee
 2005 - present Center for Coastal Studies, Scholarship Committee
 2005 - present Harte Research Institute, PhD Library Committee
 2005 Faculty Search Committee, 3 positions,
 2004 Chair, Faculty Search Committee, Physiologist
 2003 - present Faculty Mentors Program, Texas A&M-Corpus Christi
 2003 - present Institutional Animal Care and Use Committee
 2002 - present Faculty Advisor, Texas A&M-Corpus Christi
 2000 - 2002 Academic Advisor - Texas A&M at Galveston
 2000 - 2002 Texas A&M Aggie Mentor
 2000 - 2001 Steering Committee for the Office of Academic Enhancement
 1996 - 1998 President-Graduate Student Association-Texas A&M University
 1996 - 1998 Academic Advisory Committee - Texas A&M at Galveston
 1996 - 1998 Texas A&M University at Galveston-CEO/Vice President's
 Program Council
 1996 - 2000 Graduate Student Coordinator- Graduate Student Association
 1996 Selection Committee: Campus Dean/CEO and Vice President-
 Texas A&M University at Galveston

Awards:

2008 Coastal Bend Bays Foundation, Conservation and Environmental
 Stewardship Award in Higher Education

2007 - 2008	Excellence in Scholarly/Creative Activity, TAMUCC – nominee from the College of Science Technology
2006	Best Paper/Oral Presentation. American Fisheries Society - San Antonio, Texas
2005	Best Paper/Oral Presentation. American Fisheries Society - Grapevine, Texas
2003	Best Paper/Oral Presentation. American Fisheries Society - College Station, Texas
1999 - 2000	Texas Institute of Oceanography Fellow
1997	Best Paper/Oral Presentation. Gulf Estuarine Research Society/Benthic Ecology Meeting - Baton Rouge, Louisiana
1999	Best Paper/Oral Presentation. American Fisheries Society - College Station, Texas
1997	Academic Excellence Award, Ellison Miles, Texas A&M University, College Station, Texas
1996	Academic Excellence Award, George and Mary Lewis, Texas A&M University, College Station, Texas

Professional Organizations:

2004 - present	Council on Undergraduate Research
1999 - present	Sigma Xi, The Scientific Research Society
1997 - present	Gulf Estuarine Research Society (Secretary/Treasurer 2004-2006)
1997 - present	Estuarine Research Federation
1995 - present	The Honor Society of Agriculture, Gamma Sigma Delta
1995 - present	American Society of Ichthyologist and Herpetologists
1994 - present	American Fisheries Society
1990 - present	Coastal Conservation Association

Professional/Community Service:

2008	Invited Speaker – Coastal Conservation Association (Brenham and LaGrange Tx. Chapters)
2008	Invited Speaker - TAMU-CC; Employee Development Day
2007	Program Chair - Estuarine Research Federation, Providence RI
2007	Invited Speaker - Dauphin Island Sea Lab
2006	Program Chair - Gulf Estuarine Research Society Meeting
2004 - present	Coastal Bend Bays and Estuaries Program, Scientific Advisory Panel – Habitat and Living Resources Team
2004 - present	Lower Colorado River Authority/San Antonio Water System, Blue Ribbon Scientific Panel
2003 - 2007	Nueces County Beach Management Advisory Committee
2002 - present	Coastal Conservation Association, Board Member, Corpus Christi Chapter
2002 - 2003	The Cabeza De Vaca Center, Inc., Board Member
2003	Corpus Christi Independent School District, science fair judge

- 2002 West Oso Elementary, Corpus Christi, Texas. Introduction to marine biology at Texas A&M at Corpus Christi
- 2001 Mentor- Ball High School, Galveston Texas. Mentor high school student in the sciences
- 2001 - 2002 Friends of Galveston Island State Park Texas, Board Member
- 2000 Seacamp, Career Seacamp, Texas A&M University at Galveston.
- 1999 - 2002 Delegate Trustee, Galveston Bay Foundation. Galveston, Texas
- 1996 - 2001 Science Fair Judge, Galveston Independent School District
- 1993 Assistant to the chairman of the San Antonio City Council
HIV/AIDS commission
- 1993 Advisory Committee of the Texas Branch of the American Cancer Society, San Antonio, Texas