

KIM WITHERS
Department of Life Sciences
Texas A&M University -- Corpus Christi
6300 Ocean Drive
Corpus Christi, Texas 78412

August 2019

EDUCATION:

- Ph.D. 1994 Texas A&M University, College Station, Texas. Wildlife and Fisheries Sciences. Dissertation: "The Relationship of Macro-benthic Prey Availability to Shorebird Use of Blue-Green Algal Flats in the Upper Laguna Madre."
- M.S. 1989 Northern Arizona University, Flagstaff, Arizona. Quaternary Studies. Thesis: "Late Quaternary Vegetation and Climate of Forty-Mile Canyon and Willow Gulch, in the Central Colorado Plateau."
- B.S. 1985 Corpus Christi State University, Corpus Christi, Texas. Biology with Geology minor.

CURRENT POSITION

September 2014-present – Assistant Professor and BS Biology Program Coordinator, Department of Life Sciences, Research Associate, Center for Coastal Studies, Texas A&M University-Corpus Christi

- Coordinate the Bachelor's Degree Program in Biology
- Coordinated the Master's Degree Program in Biology through August 2018
- Direct and conduct research in coastal ecosystems, with emphasis on faunal dynamics of seagrasses, wind-tidal flats and mangroves and its relationship to biotic and abiotic factors.
- Write proposals for external funding.
- Direct graduate research as chair or co-chair of graduate advisory committees (63 MS GACs chaired/co-chaired).
- Support graduate programs as member of graduate advisory committees (member on 49 MS & PhD GACs)
- Participate in graduate programs in PENS and LSCI
- Teach undergraduate and graduate courses in biology

Courses Taught at Texas A&M University-Corpus Christi

- Current/Ongoing Teaching Assignment
 - BIOL 4444/5415/MARB 6444 – Biology of Estuarine Organisms (Spring, since 1996)
 - BIOL 3414 – Vertebrate Zoology (Spring, since 2014)
 - BIOL 4411/5411 – Animal Behavior (Fall, since 2015)
 - BIOL 4425/5425 – Ornithology (odd Fall, since 2015)
 - BIOL 4410/5410 – Mammalogy (even Fall, since 2016)
- Past Teaching Assignments
 - BIOL 4446/MARB 6446 – Tropical Ecology (Fall, 2012-2014)
 - Environmental Biology (2012)
 - Environmental Science Graduate Seminar (various)
 - Professional Skills for Scientists (2005-2011)
 - Issues in Environmental Science (2011)
 - Introduction to Environmental Science (numerous falls and summers)
 - Environmental Science II: Systems and Applications (numerous springs and summers)
 - Advanced Environmental Biology (2000)
 - Shorebird Ecology & Management (1998)
 - Principles of Zoology (1995-1998)

PREVIOUS ACADEMIC POSITIONS

- September 2013 - August 2014 – Professional Associate Professor and MS Biology Program Coordinator, Department of Life Sciences, Texas A&M University-Corpus Christi
- September 2012 - August 2013 – Professional Associate Professor and Assistant to the Chair, Department of Life Sciences, Texas A&M University-Corpus Christi
- May 1995 - August 2012. Associate Research Scientist and Technical Reports Editor, Center for Coastal Studies, and Adjunct Professor of Biology and Environmental Science, Member of Graduate Faculty and CMSS Ph.D. Faculty, Texas A&M University-Corpus Christi. Graduate committees: Research advisor – 30; Member – 21.
- August 1994 - May 1995 – Assistant Professor, Department of Ecology and Evolutionary Biology, University of West Florida, Pensacola, Florida. Classes: Wetland Ecology, Ornithology, Coastal Plant Communities, Plant Evolution and Taxonomy, Zoogeography. Graduate Committees: Chair (1).

PEER-REVIEWED PUBLICATIONS (* denotes student authors)

- M. Harwell, J. Gentile, L. D. McKinney, J. W. Tunnell, Jr., J. Dennison, R. W. R. Kelsey, K. Stanzel, G. Stunz, **K. Withers**, J. Tunnell. 2019. Conceptual framework for assessing the ecosystem health of the Gulf of Mexico. *Integrated Environmental Assessment and Management*. 15: 544-564
- *L. Schoech, R. *R. Fern, **K. Withers**, and P. Zimba. 2018. Scope for growth of Texas bay scallop *Argopecten irradians amplicostatus*. *Journal of Applied Aquaculture* 31(2): 140-152.
- *R. R. Fern, R.R., **Withers, K.** and Schoech, L.A., 2016. Reproductive success of nesting terns on the central Texas coast. *Regional Studies in Marine Science* 8: 14-19.
- P. V. Zimba, E. M. Hill, and **K. Withers**. 2016. Benthic microalgae serve as the major food resource for porcelain crabs (*Petrolisthes* spp.) in oyster reefs: digestive track content and pigment evidence. *Journal of Experimental Marine Biology and Ecology* 483: 53-58.
- A. S. Baxter, E. M. Hill, and **K. Withers**. 2013 (published 2016). Texas diamondback terrapin (*Malaclemys terrapin littoralis*) in Nueces Estuary, Texas. *Texas Journal of Science* 65 (3):51-63.
- K. Withers** and A. Baxter. 2015. Documentation of a Plain Chachalaca in Nueces Bay, Nueces County, Texas. *Bulletin of the Texas Ornithological Society* 48(1-2): 37-40.
- *R. Fern, **K. Withers**, P. Zimba, T. Wood, and L. Schoech. 2015. Toxicity of three dispersants alone and in combination with crude oil in blue crab *Callinectes sapidus* megalopae. *Southeastern Naturalist* 14 (4): G82-G92.
- *J. Lawrence and **K. Withers**. 2015. Composition and distribution of marine debris along three jetties in Corpus Christi, Texas. *Shore and Beach* 83(4): 29-34.
- *R. R. Ubias, **K. Withers**, and G. Hickman. 2013. Nesting characteristics of the Texas Seaside Sparrow (*Ammodramus maritimus sennetti*) on Mustang Island, Texas. *Southwestern Naturalist* 58:488-492.
- E. Arias, H. Bonilla Reyes, E. Chávez, D. Fenner, R. Garza, R. Gomez-Lozano, M. Hardt, R. Iglesias, E. Jordán Dahlgren, M. McField, G. Paredes, R. Rodríguez-Martínez, P. Sanchez-Naverro, B. Steneck, W. Tunnell, **K. Withers**, AGRAA, CARICOMP, and Reef Check. 2013. Mexico. Pages 254-259 in J. Jackson, M. Donovan, K. Cramer, and V. Lam (eds.) *Status and Trends of Caribbean Coral Reefs: 1970-2012*. Washington, D.C.: Global Coral Reef Monitoring Network and International Union for the Conservation of Nature.

- K. S. Miller, E. M. McCarthy, M. C. Woodin, and **K. Withers**. 2013. Nest success and reproductive ecology of the Texas Botteri's Sparrow (*Peucaea botterii texana*) in exotic and native grasses. *Southeastern Naturalist* 12: 387-398.
- *K. McGlaun and **K. Withers**. 2012. Metabolism, consumption rates, and scope for growth of porcelain crab (*Petrolithes galathinus*). *Gulf of Mexico Science* 30: 1-6.
- E. Williamson, K.B. Strychar, and **K. Withers**. 2011. Populations of the gorgonian genus *Leptogorgia* at two jetties in the northwestern Gulf of Mexico. *Gulf of Mexico Science* 29: 126-130.
- E. Williamson, K.B. Strychar, **K. Withers**, B. Sterba-Boatwright. 2011. Effects of salinity and sedimentation on the gorgonian coral, *Leptogorgia virgulata* (Lamarck 1815). *Journal of Experimental Marine Biology and Ecology* 409: 331-338.
- *M. D. Schweitzer and **K. Withers**. 2010. Size and distribution of blue crabs (*Callinectes sapidus*) with regard to salinity in the upper Nueces Estuary, Texas. *Gulf of Mexico Science* 27: 131-134.
- *J. Jones, **K. Withers**, and J. W. Tunnell, Jr. 2010. Comparison of benthic communities on six coral reefs in the Veracruz Reef System (Mexico). Pages 757-760 in *Proceedings of the 11th International Coral Reef Symposium* (B. M. Riegl and R. E. Dodge, eds.). Nova Southeastern University and National Coral Reef Institute, Ft. Lauderdale, Florida.
- K. Withers** and M. Hubner. 2009. Distribution and abundance of bay scallops, *Argopecten irradians*, in the northwestern Gulf of Mexico (Alabama, Mississippi, Louisiana, Texas). *Marine Fisheries Review* 71(3):8-16.
- *S. R Rowell-Garvon and **K. Withers**. 2009. Shorebird behavior and habitat use in an urban wetland complex. *Southwestern Naturalist* 54: 127-139.
- *K. D. Tunnell and **K. Withers**. 2009. Macrofauna associated with ungrounded prop roots of *Rhizophora mangle* in Veracruz and Quintana Roo, Mexico. *Gulf and Caribbean Research* 21: 67-72.
- M. Campbell, **K. Withers** and J. Tolan. 2008. Occurrence of larval and juvenile fish in mangrove habitats in the Sian Ka'an Biosphere Reserve, Quintana Roo, Mexico. *Gulf and Caribbean Research* 20: 81-86.
- *R. E Gibbons, and **K. Withers**. 2006. Habitat preferences of surface-diving waterbirds and American White Pelicans wintering in Redfish Bay, Texas. *Southwestern Naturalist* 51: 103-107.
- K. Withers** and T. S. Brooks. 2004. Diet of Double-crested Cormorants (*Phalacrocorax auritus*) wintering on the central Texas coast. *Southwestern Naturalist* 49: 48-53.
- K. Withers**. 2002. Shorebird use of coastal wetland and barrier island habitat in the Gulf of Mexico. *The Scientific World Journal* 2: 514-536
- L. J. Hyde, **K. Withers**, and J. W. Tunnell, Jr. 1999. Coastal high marsh oil spill clean-up by burning: five-year evaluation. Pages 1257-1260 in *Proceedings of the 1999 International Oil Spill Conference*. American Petroleum Institute, Washington, D.C.
- K. Withers** and B. R. Chapman. 1993. Seasonal abundance and habitat use of shorebirds on an Oso Bay mudflat, Corpus Christi, Texas. *Journal of Field Ornithology* 64:382-392.
- K. Withers** and J. I. Mead. 1993. Late Quaternary vegetation and climate in the Escalante River basin, on the central Colorado Plateau. *Great Basin Naturalist* 53:145-161.

BOOK CHAPTERS & SPECIES ACCOUNTS

- K. Withers.** 2019. Red Knot. Pages 121-122 *in* B. R. Chapman and W. I. Lutterschmidt (eds.), *Texans on the brink: The state's threatened and endangered fauna*. College Station: Texas A&M Press.
- K. Withers.** 2019. Piping Plover. Pages 123-124 *in* B. R. Chapman and W. I. Lutterschmidt (eds.), *Texans on the brink: The state's threatened and endangered fauna*. College Station: Texas A&M Press.
- K. Withers.** 2019. Prairie Chickens. Pages 128-132 *in* B. R. Chapman and W. I. Lutterschmidt (eds.), *Texans on the brink: The state's threatened and endangered fauna*. College Station: Texas A&M Press.
- †J. R. Tweedley, S. R. Dittmann†, A. K. Whitfield†, **K. Withers**†, S. D. Hoeksema, and I. C. Potter. 2019. Hypersalinity: global distribution, causes, and effects on the biota of estuaries and lagoons. Pages 523-541 *in* E. Wolanski, J. Day, M. Elliott, and R. Ramachandran (eds.), *Coasts and Estuaries – The Future*. Elsevier. (†These authors made an equal contribution)
- E. H. Smith, A. Banda, J. W. Tunnell, Jr., and **K. Withers.** 2013. Ecosystem-based management in the Laguna Madre, western Gulf of Mexico. Pages 131-152 *in* J. Day and A. Yáñez-Arancibia (eds.), *Ecosystem-based Management, Gulf of Mexico: Origin, Waters, and Biota*, vol. 4, Texas A&M University Press, College Station, Texas.
- K. Withers.** 2010. Shells in Texas Coastal History. Pages 5-13 *in* J. W. Tunnell, Jr., J. Andrews, N. Barrera, and F. Moretzsohn, *Encyclopedia of Texas Seashells: Identification, Distribution, Ecology and History*. Texas A&M Press, College Station, Texas.
- K. Withers** and J. W. Tunnell, Jr. 2007. Reef biodiversity. Pages 68-86 *in* J. W. Tunnell, Jr., E. Chávez and **K. Withers** (eds.), *Coral Reefs of the Southern Gulf of Mexico*. Texas A&M Press, College Station, Texas.
- E. Chávez, J. W. Tunnell, Jr. and **K. Withers.** 2007. Coral reef zonation and ecology: Veracruz shelf and Campeche Bank. Pages 41-67 *in* J. W. Tunnell, Jr., E. Chávez and **K. Withers** (eds.), *Coral Reefs of the Southern Gulf of Mexico*. Texas A&M Press, College Station, Texas.
- K. Withers.** 2002. Seagrass meadows. Pages 85-101 *in* J. W. Tunnell, Jr. and F. W. Judd (eds.), *The Laguna Madre of Texas and Tamaulipas*. Texas A&M Press, College Station, Texas.
- K. Withers.** 2002. Open bay. Pages 102-113 *in* J. W. Tunnell, Jr. and F. W. Judd (eds.), *The Laguna Madre of Texas and Tamaulipas*. Texas A&M Press, College Station, Texas.
- K. Withers.** 2002. Wind-tidal flats. Pages 114-126 *in* J. W. Tunnell, Jr. and F. W. Judd (eds.), *The Laguna Madre of Texas and Tamaulipas*. Texas A&M Press, College Station, Texas.
- K. Withers.** 2002. Shorebirds and wading birds. Pages 198-210 *in* J. W. Tunnell, Jr. and F. W. Judd (eds.), *The Laguna Madre of Texas and Tamaulipas*. Texas A&M Press, College Station, Texas.
- K. Withers** and S. J. Dilworth. 2002. Fish and invertebrate fisheries organisms. Pages 223-254 *in* J. W. Tunnell, Jr. and F. W. Judd (eds.), *The Laguna Madre of Texas and Tamaulipas*. Texas A&M Press, College Station, Texas.
- K. Withers.** 2002. Brown and red tide. Pages 255-258 *in* J. W. Tunnell, Jr. and F. W. Judd (eds.), *The Laguna Madre of Texas and Tamaulipas*. Texas A&M Press, College Station, Texas.
- J. W. Tunnell, Jr., **K. Withers** and E. H. Smith. 2002. Conservation issues and recommendations. Pages 275-288 *in* J. W. Tunnell, Jr. and F. W. Judd (eds.), *The Laguna Madre of Texas and Tamaulipas*. Texas A&M Press, College Station, Texas.

K. Withers. 1996. Seagrass meadows. Pages 175-249 *in* Tunnell, J. W., Jr., Q. R. Dokken, E. H. Smith, and K. Withers (eds.) Status and Trends of the Estuarine Living Resources Within the Corpus Christi Bay National Estuary Program Study Area. CCBNEP-06A. Corpus Christi, Texas.

K. Withers. 1996. Tidal flats. Pages 294-356 *in* Tunnell, J. W., Jr., Q. R. Dokken, E. H. Smith, and K. Withers (eds.) Status and Trends of the Estuarine Living Resources Within the Corpus Christi Bay National Estuary Program Study Area. CCBNEP-06A. Corpus Christi, Texas.

TECHNICAL REPORTS:

McKinney, L., M. Besonen, and **K. Withers** (eds.). 2018. Proceedings: The Gulf of Mexico Workshop on International Research. Bureau of Ocean Energy Management (BOEM), OCS Study, BOEM 2018-045.

Besonen, M. R., **K. Withers**, and G. Gold-Bouchot. 2018. The GOMWIR (Gulf of Mexico Workshop on International Research) inventory. Pages 162-179 *in* L. McKinney, M. Besonen, and **K. Withers** (eds.). 2018. Proceedings: The Gulf of Mexico Workshop on International Research. Bureau of Ocean Energy Management (BOEM), OCS Study, BOEM 2018-045.

Withers, K., M. R. Besonen, and G. Gold-Bouchot. 2018. Knowledge gaps identification. Pages 189-197 *in* L. McKinney, M. Besonen, and **K. Withers** (eds.). 2018. Proceedings: The Gulf of Mexico Workshop on International Research. Bureau of Ocean Energy Management (BOEM), OCS Study, BOEM 2018-045.

Lewis, M. **K. Withers**, P. V. Zimba, and T. Wood. 2017. Reduction of dispersed oil toxicity through the synergistic application of hydrocarbon digesting microbial solutions: final report. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-1801-CCS. 22 pp.

Withers, K. 2016. Macrobenthic invertebrate abundance and community structure in coastal intertidal habitats of selected US Fish & Wildlife Service refuges in Texas: final report of the baseline survey. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-CC-1701-CCS. 50 pp.

Withers, K. 2016. Data summary—tidal stream macrobenthos identification/enumeration: Arroyo Colorado final report. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech Rept. TAMUCC-1602-CCS. 4 pp.

Simons, J. D., **K. Withers**, and T. Weatherall. 2015. Assessment of mercury in selected game fish food webs in the Texas coastal zone: final report. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech Rept. TAMUCC-1501-CCS. 96 pp. (A report funded by a Texas Coastal Management Program grant approved by the Texas Land Commissioner pursuant to National Oceanic and Atmospheric Administration award No. NA12NOS4190164).

Withers, K. 2014. Spatial and temporal abundance of non-breeding piping plovers within designated critical habitat associated with Naval Air Station-Corpus Christi (Texas Units 11 and 12). Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-1403-CCS. 20 pp.

Withers, K. and J. Staggs. 2008. Data summary: benthic invertebrates, Texas Coastal Assessment 2007. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0803. Corpus Christi, Texas. 36 pp.

Withers, K. and J. Staggs. 2008. Data summary: benthic invertebrates, NCA 2006 – Texas. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0804. Corpus Christi, Texas. 35 pp.

Withers, K. and J. Staggs. 2008. Data summary: benthic invertebrates, NCA 2005 – Texas. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0805. Corpus Christi, Texas. 39 pp.

- Withers, K.** and S. Lyle. 2007. Post-construction seagrass monitoring, John F. Kennedy Causeway: year 3 and summary. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-0704-CCS. 30 pp.
- Withers, K.** and S. Lyle. 2006. Post-construction seagrass monitoring, John F. Kennedy Causeway year 2: July 2006. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-0605-CCS. 26 pp.
- Withers, K.** and G. Jeffress. 2005. Post-construction seagrass monitoring, John F. Kennedy Causeway year 1: June 2005. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-0505-CCS. 18 pp.
- Withers, K.** and M. Kolar. 2004. Census of nesting snowy and Wilson's plover on the Texas Coast, 2004. Prepared for Coastal Bend Bays and Estuaries Program Inc. Texas A&M University-Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-0403-CCS. 43 pp.
- Withers, K.** and J. W. Tunnell, Jr. 2004. Data summary: benthic invertebrates, NCA 2003. Texas A&M University-Corpus Christi, Center for Coastal Studies Technical Report. Corpus Christi, Texas. 28 pp.
- Withers, K.**, E. H. Smith, O. Gomez, and J. Wood. 2004. Assessment of coastal water resources and watershed conditions at Padre Island National Seashore. US Department of Interior, National Park Service, Water Resources Division Technical Report NPS/NRWRD/NRTR-2004/323. Denver, Colorado. 126 pp.
- Dokken, Q. R., I. R. MacDonald, J. W. Tunnell, Jr., T. Wade, **K. Withers**, S. J. Dilworth, T. W. Bates, C. R. Beaver, and C. M. Rigaud. 2003. Long-term monitoring at the East and West Flower Garden Banks National Marine Sanctuary, 1998-2001: Final Report. US Department of Interior, Mineral Management Service, Gulf of Mexico OCS Region, OCS Study MMS 2003-031. New Orleans, Louisiana. 90 pp.
- Withers, K.** 2003. Data summary: benthic invertebrates, NCA 2002 - Texas. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0308-CCS. Corpus Christi, Texas. 30 pp.
- Withers, K.** 2003. Data summary: benthic invertebrates, NCA 2001 - Texas. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0304-CCS. Corpus Christi, Texas. 46 pp.
- Withers, K.**, Q. R. Dokken, and C. R. Beaver. 2003. Bay shrimping in the Coastal Bend: a summary of current conditions. CCBNEP-37. Corpus Christi, Texas. 114 pp.
- Tunnell, J. W., Jr., N. Hilbun and **K. Withers**. 2002. Comprehensive bibliography of the Laguna Madre of Texas and Tamaulipas. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0202-CCS. Corpus Christi, Texas. 120 pp.
- K. Withers**. 2001. Data summary: benthic invertebrates, Coastal 2000. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0104-CCS. Corpus Christi, Texas. 31 pp.
- Dokken, Q. R., I. R. MacDonald, J. W. Tunnell, Jr., T. Wade, C. R. Beaver, S. A. Childs, **K. Withers** and T. W. Bates. 2001. Long-term monitoring at the East and West Flower Garden Banks, 1998-1999. OCS Study, MMS 2001-101. US Department of the Interior, Gulf of Mexico OCS Region, New Orleans, Louisiana. 119 pp.
- Dokken, Q. R., **K. Withers**, S. Childs and T. Riggs. 2000. Characterization and comparison of platform reef communities off the Texas Coast. Texas A&M University – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMUCC-0007-CCS. Corpus Christi, Texas. 53 pp.
- Withers, K.** 2000. Instructions for authors: Center for Coastal Studies technical reports. 30 pp.

- Withers, K** and J. W. Tunnell, Jr. 1998. Identification of tidal flat alterations and determination of effects on biological productivity of these habitats within the Coastal Bend. CCBNEP-26. Corpus Christi, Texas. 171+ pages.
- Hyde, L. J., **K. Withers**, and J. W. Tunnell, Jr. 1998. Coastal high marsh oil spill clean-up by burning: five-year evaluation. Texas A&M Univ. – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-9811-CCS. Corpus Christi, Texas. 50 pages.
- Withers, K.** 1998. Biological productivity of southerly wind-tidal flats within Padre Island National Seashore. Texas A&M Univ. – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-9810-CCS. Corpus Christi, Texas. 46 pages.
- Withers, K.** and E. H. Smith. 1998. A comparison of benthic and nektonic communities in created and natural salt marshes, Mesquite-Ayres Bay, Texas. Texas A&M Univ. – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-9809-CCS. Corpus Christi, Texas. 39 pages.
- Engelhard, T. K. and **K. Withers.** 1997. Biological effects of mechanical beach raking in the upper intertidal zone on Padre Island National Seashore, Texas. Texas A&M Univ. – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-9706-CCS. Corpus Christi, Texas. 41 pages.
- Tunnell, J. W., Jr., **K Withers**, and B. Hardegee. 1997. Environmental impact and recovery of the Exxon pipeline oil spill and burn site, upper Copano Bay, Texas: final report. Texas A&M Univ. – Corpus Christi, Center for Coastal Studies Tech. Rept. TAMU-CC-9703-CCS. Corpus Christi, Texas. 81 pages.
- Withers, K.** 1996. An evaluation of recovery of benthic invertebrate communities in vehicle tracks and restored oil and gas impacted areas on wind-tidal flats in the upper Laguna Madre, Padre Island National Seashore, Texas. Padre Island National Seashore Contract 144PX749050162. Corpus Christi, Texas. 12 pages.
- K. Withers**, D. Rocha, S. Alvarado, and J. W. Tunnell. 1995. Benthic invertebrate abundance and community structure in Gulf beach habitats on Padre Island National Seashore, Texas following the *M/T Berge Banker* oil spill. Prepared for Eastham, Watson, Dale, and Forney LLP and submitted to D. Kane, Beak Consultants, Kirkland, Washington.
- Smith, E. H., **K. Withers**, and K. Jenkins. 1995. Evaluation of beach management methodologies and their effects on natural resources of barrier islands. Texas A&M Univ. - Corpus Christi Center for Coastal Studies Tech. Rept. TAMU-CC-9506-CCS. Corpus Christi, Texas. 120 pages.
- Tunnell, J. W., Jr., B. Hardegee, **K. Withers**, and D. Hicks. 1995. Environmental impact and recovery of the Exxon pipeline oil spill and burn site, upper Copano Bay, Texas: Year 2. Texas A&M Univ.-Corpus Christi Center for Coastal Studies Tech. Rept. TAMU-CC-9501-CCS. Corpus Christi, Texas. 42 pages.

PUBLISHED ABSTRACTS

- *Schoech, L. and **K. Withers.** 2014. Scope for growth of Texas bay scallop (*Argopecten irradians amplicostatus*). Page 651 in Abstracts of Technical Papers Presented at the 106th Annual Meeting of the National Shellfisheries Association, Jacksonville, Florida March 29-April 2, 2014. Journal of Shellfish Research 33: 567-667.
- *Gain, J. and **K. Withers.** 2010. Prevalence of *Hematodinium* in *Callinectes sapidus* in Corpus Christi and Aransas bay systems. Pages 13-14 in 9th Annual Sea Grant Research Conference. TAMU-SG-10-113. College Station, TX.

*Engelhard, T. and **K. Withers**. 1999. Biological effects of mechanical beach raking in the upper intertidal zone on Padre Island National Seashore, Texas. *Gulf Research Reports* 10:73-74.

BOOKS EDITED:

Tunnell, J. W., F. W. Judd, **K. Withers**, and B. R. Chapman. *In prep*. The Laguna Madre of Texas and Tamaulipas, 2nd ed. Texas A&M University Press.

Withers K. and M. Nipper. 2008. Environmental Analysis of the Gulf of Mexico (English translation of Diagnostico Ambiental del Golfo de México, edited by Margarita Caso, Irene Pisanty, and Exequiel Ezcurra [in Spanish]). Texas A&M University – Corpus Christi, Harte Research Institute of Gulf of Mexico Studies Special Publication 1.

Tunnell, J. W., Jr., E. Chávez and **K. Withers**. 2007. Coral Reefs of the Southern Gulf of Mexico. Texas A&M University Press

Tunnell, J. W., Jr., Q. R. Dokken, E. Smith and **K. Withers**. 1996. Status and Trends of the Estuarine Living Resources within the Corpus Christi Bay National Estuary Program Study Area. CCBNEP-06A. Corpus Christi, Texas.

BOOK REVIEWS

Withers, K. 2007. Review "Pelicans, Cormorants, and Their Relatives: Pelecanidae, Sulidae, Phalacrocoracidae, Anhingidae, Fregatidae, Phaethontidae," by J B Nelson. *Quarterly Review of Biology* 82:287-288

PRESENTATIONS (SINCE 2004)

(* = graduate student; ** = undergraduate student; † = student received an award for the presentation)

2019

*Partain, M. and **K. Withers** (March 2019). The effects of sediment type and moisture on decomposition in black mangrove (*Avicennia germinans*) sediment using the Tea Bag Index (TBI). TBI Symposium, Älgsalen, Umeå, Sweden.

2018

*Partain, M. and **K. Withers**. (November 2018). Evaluation of Tea Bag Index (TBI) in predicting decomposition rates in black mangrove (*Avicennia germinans*) sediment. Texas Society for Ecological Restoration, San Antonio, Texas.

*Zimmermann D., **K Withers**, and J. Beseres Pollack. (March 2018). Effects of extreme freshwater events and *Perkinsus marinus* on *Crassostrea virginica* stress response. Benthic Ecology Meeting, Corpus Christi, TX.

2017

*Lewis, M., P. V. Zimba, **K. Withers**, and T. Wood (December 2017). Reducing dispersed oil toxicity by applying hydrocarbon digesting microbes. Clean Gulf Conference, Houston, TX.

*Zimmermann D., **K. Withers**, and J. Beseres Pollack. (November 2017). Effects of extreme freshwater events and *Perkinsus marinus* on stress response in *Crassostrea virginica*. Coastal and Estuarine Research Federation. Providence, RI.

2016

*Ramirez, L., A. Baxter, **K. Withers**, and P. V. Zimba (October 2016). Does elevated salinity induce a physiological response in Texas diamondback terrapin (*Malaclemys terrapin littoralis*)? Diamondback Terrapin Working Group, 7th Symposium on the Ecology, Status, and Conservation of the Diamondback Terrapin, Fairhope, AL.

- *Swierc, S. L., **K. Withers**, J. D. Hogan, and M. R. J. Forstner. (October 2016). Demographics, distribution, and genetic variation in the Texas diamondback terrapin (*Malaclemys terrapin littoralis*) within the Corpus Christi and Aransas Bay systems. Diamondback Terrapin Working Group, 7th Symposium on the Ecology, Status, and Conservation of the Diamondback Terrapin, Fairhope, AL.
- *Ramirez, L., A. Baxter, **K. Withers**, and P. V. Zimba (July 2016). Does elevated salinity induce a physiological response in Texas diamondback terrapin (*Malaclemys terrapin littoralis*)? Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA.
- *Swierc, S. L., **K. Withers**, J. D. Hogan, and M. R. J. Forstner. (July 2016). Demographics, distribution, and genetic variation in the Texas diamondback terrapin (*Malaclemys terrapin littoralis*) within the Corpus Christi and Aransas Bay systems. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA
- **Castillo-Torres, G. and **K. Withers** (April 2016). A population assessment of Plain Chachalaca (*Ortalis vetula*) transplants in South Texas. 13th Annual Pathways Symposium, Commerce, TX.
- ** Sanchez, A., P. S. Rose, and **K. Withers**. (April 2016). Assessing terrestrial and freshwater inputs to Copano Bay, Texas. LSAMP (Louis Stoke Alliance for Minority Participation) Annual Symposium, Corpus Christi, TX.
- *Ramirez, L., Baxter, A., **Withers, K.**, and P. V. Zimba. (April 2016). Does elevated salinity induce a physiological response in Texas diamondback terrapin (*Malaclemys terrapin littoralis*)? Texas Bays and Estuaries Meeting, University of Texas Marine Science Institute, Port Aransas, TX.
- *Swierc, S. L., **K. Withers**, and A. Baxter. (April 2016). Demographics, distribution, and genetic variation in the Texas diamondback terrapin (*Malaclemys terrapin littoralis*) within the Corpus Christi and Aransas Bay systems. Texas Bays and Estuaries Meeting, University of Texas Marine Science Institute, Port Aransas, TX.
- *Delgado, J., P. S. Rose, and **K. Withers**. (February 2016). The trophic ecology of porcelain *Petrolisthes* spp. on oyster reefs. 2016 Ocean Sciences Meeting – Joint Meeting of AGU, ASLO, and The Oceanography Society, New Orleans, LA.
- *Ramirez, L., A. Baxter, **Withers, K.**, and P. V. Zimba. (January 2016). Does elevated salinity induce a physiological response in Texas diamondback terrapin (*Malaclemys terrapin littoralis*)? Marine Biology IDP Retreat 2016, Texas A&M University-Corpus Christi, Corpus Christi, TX.
- 2015**
- ** Johnson, K. P. S. Rose, and K. Withers. (November 2015). Estimating freshwater inflows using the stable isotopic composition of oxygen in *Rangia cuneata* shells. 12th Annual Pathways Symposium, Texas A&M University-Corpus Christi, Corpus Christi, TX.
- **Lopez, J. and K. **Withers**. (November 2015). Do adult royal terns displaying nonbreeding plumage exhibit breeding behaviors during summer in South Texas? LSAMP Symposium, Texas A&M University-Corpus Christi, Corpus Christi, TX.
- 2014**
- *Schoech, L. and **K. Withers** (March-April 2014). Scope for growth of Texas bay scallop (*Argopecten irradians amplicostatus*). 106th Annual Meeting of the National Shellfisheries Association, Jacksonville, FL.
- 2013**
- *†Fern, R., **Withers, K.**, Zimba, P., Wood, T. and Schoech, L. (2013). Toxicity of three dispersants alone and in combination with crude oil on blue crab *Callinectes sapidus* megalopae. Gulf of Mexico Oil Spill and Ecosystem Conference. New Orleans, LA.

2012

Withers, K. (April 2012). Shorebird food resources. Anahuac National Wildlife Refuge Shorebird Workshop, Winnie, Texas. (Invited).

2011

Rafalski, A., M. Savage, **K. Withers**, and P. Zimba. (November 2011). The effect of euglenophycin on copepod species *Schizopera knabeni*. Sixth Symposium on Harmful Algae in the United States, Austin, Texas.

*McGlaun, K. and **K. Withers**. (March 2011). Porcelain crab (*Petrolisthes galathinus*) feeding behaviors and metabolism. 40th Annual Benthic Ecology Meeting, Mobile, Alabama.

Withers, K. (February 2011). Macrobenthos: what they are and why they are important. USFWS Texas Coastal Zone Biologists Meeting, Aransas National Wildlife Refuge (Austwell), Texas. (invited)

2010

*McGlaun, K. and **K. Withers**. (November 2010). Metabolism and feeding behavior of porcelain crabs (*Petrolisthes galathinus*). Gulf Estuarine Research Society Biennial Meeting, Port Aransas, Texas.

*Gain, J. and **K. Withers**. (November 2010). Incidence and prevalence of *Hematodinium* in Corpus Christi and Aransas bays. Gulf Estuarine Research Society Biennial Meeting, Port Aransas, Texas.

Withers, K. (November 2010). Salinity tolerance of *Argopecten irradians amplicostatus*. Gulf Estuarine Research Society Biennial Meeting, Port Aransas, Texas.

Withers, K. (March 2010). Salinity tolerance of Texas bay scallops *Argopecten irradians amplicostatus*. Aquaculture 2010, San Diego, CA.

*Gain, J. and **K. Withers**. (September 2010). Prevalence of *Hematodinium* in *Callinectes sapidus* in Corpus Christi and Aransas bays. Texas SeaGrant Researchers Annual Conference, College Station, Texas.

*Gain, J. and **K. Withers**. (March 2010). Prevalence of *Hematodinium* in blue crab (*Callinectes sapidus*) in Corpus Christi and Aransas Bay Systems. 39th Annual Benthic Ecology Meeting, Wilmington, NC.

2009

Withers, K. and *J. Staggs. (March 2009). Salinity tolerance of *Argopecten irradians amplicostatus* from the upper Laguna Madre, Texas. 101st Annual Meeting of the National Shellfisheries Association, Savannah, GA.

*Staggs, J. and **K. Withers**. (March 2009). Larval development and survival of the bay scallop *Argopecten irradians amplicostatus* in relation to salinity. 38th Annual Benthic Ecology Meeting, Corpus Christi, TX.

2009

*Jones, J., **K. Withers** and J. W. Tunnell, Jr. (July 2008). Comparison of benthic communities on four coral reefs in the Veracruz Reef System (Mexico). 11th International Coral Reef Symposium, Fort Lauderdale, FL.

*Staggs, J. and **K. Withers**. (April 2008). trophic status and community structure of Laguna Madre, Texas: a characterization. 37th Annual Benthic Ecology Meeting, Providence, RI.

*Schweitzer, M. and **K. Withers**. (April 2008). Distribution of adult blue crabs *Callinectes sapidus* along a salinity gradient in a South Texas estuary. 37th Annual Benthic Ecology Meeting, Providence, RI.

Withers, K. and M. Hubner. (April 2008). Status of bay scallops (*Argopecten irradians*) in Texas (USA). A Century of Shellfish, National Shellfisheries Association Annual Conference, Providence, RI, April 6-10. (Invited)

Withers, K. and R. Fikes. (March 2008). Land crabs and leaf litter in the Sian Ka'an Biosphere Reserve, Quintana Roo, Mexico. Texas Academy of Science, Corpus Christi, TX.

*McIver, M. K., **K. Withers** and R. Lehman. (March 2008). Growth of black mangrove (*Avicennia germinans* (L.) L.) along the South Texas Coast. Texas Academy of Science, Corpus Christi, TX.

*Schweitzer, D. M. and **K. Withers**. 2008. Distribution of adult blue crabs *Callinectes sapidus* along a salinity gradient in the Nueces Estuary, Texas. Texas Academy of Science, Corpus Christi, TX.

*Staggs, J. E. and **K. Withers**. (March 2008). Characterization of Laguna Madre in terms of trophic status and community structure. Texas Academy of Science, Corpus Christi, TX.

2007

*Landaberde, K. and **K. Withers**. (November 2007). Reproductive success of Black Skimmers on a dredge material island in Nueces Bay, Texas. Texas Colonial Waterbird Society 2007 Symposium, Corpus Christi, TX.

*Metcalf, J. and **K. Withers**. (November 2007). Community composition and behavior of birds on South Texas beaches: a comparison of driving sites and non-driving sites. Texas Colonial Waterbird Society 2007 Symposium, Corpus Christi, TX.

*Metcalf, J. L. and **K. Withers** (July 2007). Does unrestricted vehicle access on beaches disturb shorebirds on the central Texas Gulf Coast? Association of Field Ornithologists, 2007 Annual Meeting, Bangor, ME.

2006

*†Hubner, M. and **K. Withers**. (November 2006), Recruitment of bay scallops (*Argopecten irradians*) in the upper Laguna Madre. Gulf Estuarine Research Society Annual Meeting, Corpus Christi, TX.

*Miller, K. S., M. W. Woodin, and **K. Withers**. (October 2006), Nesting success of the Botteri's Sparrow (*Aimophila botterii texana*) in southern Texas. IV North American Ornithological Conference, Veracruz, Mexico.

Withers, K. (October 2006), Assessing the value of wind-tidal flats for wintering shorebirds. IV North American Ornithological Conference, Veracruz, Mexico.

*Landaberde, K., and **K. Withers** (October 2006), Reproductive success of black skimmers (*Rhynchops niger*) on a dredge material island in Nueces Bay, Texas. IV North American Ornithological Conference, Veracruz, Mexico.

2005

*Harding, M. and **K. Withers, K.** (February 2005). Effects of hydrology and prey density on shorebird distribution in the Blind Oso, Oso Bay, Corpus Christi, Texas. Southeastern Partners in Flight Meeting, McAllen, TX.

*Kolar, M. and **K. Withers**. (February 2005). Nesting success and ecology of the Snowy Plover at two localities in the Texas Coastal Bend. Southeastern Partners in Flight Meeting, McAllen, TX.

Miller, K., Woodin, M. and **K. Withers**. (February 2005). Nesting ecology of the Texas Botteri's Sparrow in South Texas. Southeastern Partners in Flight Meeting, McAllen, TX.

2004

*Rowell-Garvon, S. and **K. Withers**. (August 2004). The relationship of shorebird and invertebrate abundance among five estuarine habitats in Corpus Christi, Texas. 122nd Meeting of the American Ornithologists Union in conjunction with the Annual Meeting of the Society of Canadian Ornithologists, Montreal, Quebec, Canada.

*Gibbons, R. and **K. Withers**. (August 2004). Abundance and distribution of selected wintering waterbirds in Redfish Bay, Texas. 122nd Meeting of the American Ornithologists Union in conjunction with the Annual Meeting of the Society of Canadian Ornithologists, Montreal, Quebec, Canada.

*Rowell-Garvon, S. and **K. Withers**. (August 2004). Wading bird (Ardeidae) habitat use along the central Texas coast. 122nd Meeting of the American Ornithologists Union in conjunction with the Annual Meeting of the Society of Canadian Ornithologists, Montreal, Quebec, Canada.

GRANTS AND AWARDS:

Federal

BOEM, 2015-2019, \$250,000 (project total with match = \$360,000). “Gulf of Mexico – Workshop on International Research.” PI – Larry McKinney, with 6 Co-PI’s (my part = ~\$30,000).

USACOE, 2013-2014, \$24,000. “Baseline survey of Piping Plover at NAS Corpus Christi.”

USFWS, 2012-2016, \$60,000. “Establishing a Macrobenthic Invertebrate Baseline for the Texas Coastal Wildlife Refuge Complex.

USFWS, 2011-2013, \$35,000. “Establishing a Macrobenthic Invertebrate Baseline for the Texas Coastal Wildlife Refuge Complex.

National Park Service, 2010-2013, 50,000. “Effects of Vehicle Disturbance on Shorebirds.”

National Park Service, 2009-2011, \$21,670. “Beach Invertebrate Responses to Disturbance.”

USEPA Gulf of Mexico Program, 2008-2009, \$59,000 (subcontract). “System-Level Monitoring of Bahia Grande Restoration”. With David W. Hicks (University of Texas-Brownsville).

USEPA Gulf of Mexico Program, 2007-2008, \$55,000 (subcontract). “System-Level Monitoring of Bahia Grande Restoration”. With David W. Hicks (University of Texas-Brownsville).

National Park Service (Cooperative Ecosystems Study Unit), 2004, \$47,000. “Water Resources Assessment, Padre Island National Seashore. With Elizabeth H. Smith

Padre Island National Seashore, 1997, \$10,000. “Biological Effects of Mechanical Beach Raking”. Contract 1443PX749070058.

Padre Island National Seashore, 1997, \$10,000. “Biological Productivity of Southerly Wind-Tidal Flats. Contract 144PX7305097163.

State

Texas General Land Office, 2016-2017, \$80,441. “Reduction of dispersed oil toxicity through synergistic application of hydrocarbon digesting microbial solutions.” Co-PI with Tony Wood and Paul Zimba.

Texas Parks and Wildlife Department, 2014-2016, \$27,000. “Tidal Stream Invertebrates – Arroyo Colorado.”

Texas Commission on Environmental Quality Commissioners, 2012-2013, \$26,000 (my part; ~\$100,000 total). “Biological resources in Texas and Potential Harm from Deepwater Horizon.

Texas SeaGrant, 2012. \$154, 420. “The toxin(s) of the Texas Brown Tide Organism *Aureoumbra lagunensis* and its Impact on Shellfish. With Paul Zimba

Texas Coastal Management Program, 2012-2015. \$80,098. Assessment of Mercury in Selected Game Fish Food Webs in the Texas Coastal Zone. With Jim Simons.

Texas Seagrant, 2009. \$10,000. “Infection of Blue Crabs by *Hematodinium* in Corpus Christi and Aransas Bays”

Texas Parks and Wildlife Department, 2008-2009. \$27,000. “Tidal Stream Invertebrates”

Texas Parks and Wildlife Department, 2008. \$115,000. “Texas Coastal Assessment – Field and Laboratory Support”

Texas Parks and Wildlife Department, 2007. \$18,000. “National Coastal Assessment – Analysis of Benthic Invertebrates”

Texas Parks and Wildlife Department, 2006. \$17,800. “National Coastal Assessment – Analysis of Benthic Invertebrates”

Texas Parks and Wildlife Department, 2005. \$16,250. “National Coastal Assessment – Analysis of Benthic Invertebrates” (EPA pass through money)

Texas Department of Transportation, 2005-2007. \$66,000 (total). “Seagrass Monitoring of the JFK Kennedy Causeway Project (Post-construction)”. With Gary Jeffress.

Texas Parks and Wildlife Department, 2003, 2004. \$70,000 (total). “Stream Assessment – Analysis of Benthic Invertebrates and Aquatic Insects”.

Texas Parks and Wildlife Department, 2000, 2001, 2002, 2003, 2004. \$30,000 per year. “National Coastal Assessment – Analysis of Benthic Invertebrates” (EPA pass through money)

Texas Parks and Wildlife Department, 1991-93 – \$24,000 for dissertation research, "The Relationship of Macrobenthic Prey Availability to Shorebird Use of Blue-green Algal Flats in the Upper Laguna Madre.

Non-Governmental Organization

Coastal Bend Bays and Estuary Program, *Pending*. \$25,000. “Functionality of Oso Wind Tidal Flats. With Paul Zimba and Hua Zhang. (awarded, contract has not been finalized)

Coastal Bend Bays and Estuary Program, 2006. \$10,000. “Breeding Ecology of Black Skimmers on New Island”.

Coastal Bend Bays and Estuary Program, 2005. \$10,000. “Breeding Ecology of Black Skimmers on New Island”.

Coastal Bend Bays and Estuaries Program, 2004, \$10,000. “Coastwide Snowy Plover Breeding Survey” (TPWD pass through money).

Coastal Bend Bays and Estuaries Program, 2000, \$50,000. “Mollie Beattie Coastal Habitat Community: Public Education & Access Infrastructure”. With Suzanne Dilworth.

Coastal Bend Bays and Estuaries Program, 2000, \$50,000. “Bay and Bait Shrimping Industries of the Coastal Bend: Status, Challenges, and Management”. With Quenton R. Dokken.

Corpus Christi Bay National Estuary Program, 1996, \$40,000. “Natural and Human-Related Alterations of Wind-Tidal Flats in the Corpus Christi Bay National Estuary Program Study Area and Their Effects on Biological Productivity and Functioning”.

University

TAMU-CC, Research Enhancement, 2019. \$1500. Using eDNA to detect Texas Diamondback Terrapin.

TAMU-CC, Texas Excellence Program, 2005. \$7000. Enhancement of federal funding opportunities.

University of West Florida Small Grants Program, 1995. \$1998.00. Summer research project “Abundance and Community Structure of Macrobenthic Invertebrates Inhabiting Nearshore and Rear Reef Areas, Southern Quintana Roo, Mexico”.

Foundation

Welder Wildlife Foundation Fellowship, 1992-93 – \$10,000 for dissertation research, “The Relationship of Macrobenthic Prey Availability to Shorebird Use of Blue-green Algal Flats in the Upper Laguna Madre.”

SERVICE

State – Higher Education Coordinating Board

Natural Resources Field of Study Advisory Committee – Term=2019-2023

University Committees/Service

Faculty Senate – 2015-2019

Member, Faculty Affairs Committee 2015-2019

Member, Academic Affairs Committee, 2018-2019

Ex officio – CPIRA, 2017-2018

Ex officio – University Parking Committee – 2018-2019

Scholarship Committee – 2016–2017

College (COSE) Committees/Service

Center for Coastal Studies Scholarship Selection Committee – 2004-present (Chair)

Integrated Science BS (was General Science) Development Committee – 2011- present

Search Committee – Conservation Biologist – 2019

Search Committee – Coastal Botanist – 2018

Curriculum Committee – 2016 – 2017

Search Committee – Visiting Anatomist – 2017

Search Committee – LSCI Department Chair – 2015

Search Committee – Coastal Botanist – 2015

Search Committee – Fisheries Biodiversity – 2012

MARB Policy Committee- 2010 – 2013

CMSS Policy Committee – 2007-2014

CMSS Ph.D. Handbook Committee – 2005 (K. Cammarata, Chair)

CMSS Library Committee – 2005-2014

Departmental (LSCI) Committees/Service

LSCI Graduate Committee – 2010-2013 (Chair, disbanded)

S&E Field Trip Committee – 2008- 2013 (disbanded)

Catalog Copy Coordinator (PALS) – 2004, 2005, 2006

Other Committees/Service within the University

Technical Writing Committee (English Department) – 2002

National Committees/Panels

National Science Foundation Graduate Fellowship Review Panel – Ecology, 2004, 2005, 2006

GRADUATE COMMITTEES:

Co-Chair or Chair – Biology, TAMUCC

Graduates

1. **Marina Partain** – 2019, “decomposition in mangroves using Tea Bag Index methods”
2. **Ariana Kavandi** – 2018, “Diets of offshore fish collected during the ‘Texas Fish Gut Roundup’” (professional paper)
3. **Meghan Cordero** – 2018, “Righting behavior in green and brown anoles (professional paper)
4. **Martin Donnelly** – 2018, “Shark scales and swimming speed”
5. **Amy Cuvelier** – 2017, “Dr. Henry H. Hildebrand: Understanding his Papers...” (professional paper)
6. **Tyler Macha** – 2017, “Education and outreach – plastic pollution” (professional paper)
7. **Elizabeth Ahern** – 2016, “Morphometrics of sea robins” (professional paper)
8. **Wesley Franks** – 2015, “Biofouling communities in upper Laguna Madre” (professional paper)
9. **Debra Hoekel** – 2014, “Evaluation of selected physiological parameters in *Scolecopsis squamata* and *Emerita talpoida* for use in determination of sublethal effects associated with environmental stressors”
10. **Ariane Frappier** – 2014, “Fish communities: evaluating response to natural and anthropogenic disturbances under different management regimes”
11. **Lee Schoech** – 2013 “Scope for growth of two ecologically important bivalves: bay scallop (*Argopecten irradians amplicostatus*) and cross-barred venus (*Chione elevata*)”
12. **Jon Gain** – 2011 “Prevalence of *Hematodinium* in the blue crab (*Callinectes sapidus*) in the Corpus Christi and Aransas Bay systems, Texas, U.S.A.”
13. **Kim McGlaun** – 2011 “Metabolism and feeding behavior of porcelain crab (*Petrolisthes galathinus*) and their potential role within oyster reefs”
14. **Amanda Ruddy** – 2009 “Comparison of biodiversity in burned vs unburned habitats on NAS Kingsville”
15. **Isis Dominguez** – 2009 “Oyster trophic relationships”
16. **Jason Jones** – 2008, “Coral cover on selected Veracruz Reefs”
17. **Heather Butler** – 2008, “Coral monitoring at Sian Ka’an, 2006 and 2007” (non thesis)
18. **Mollie McIver** – 2008, “Black mangrove community characterization”
19. **Matt Schweitzer** – 2008, “Blue crab and sex-ratios in Nueces River”
20. **Heidi Cyr** – 2007, “Wading bird habitat use and behavior at Indian Point”
21. **Kristie Landaberde** – 2007; “Black skimmer nesting ecology on New Island, Nueces Bay”
22. **Judy Metcalf** – 2007, “Does disturbance affect shorebird behavior?”
23. **Matt Hubner** – 2007, “Bay scallop recruitment in Laguna Madre”
24. **Jeffrey Landgraf** – 2005, “Distribution of larval fish in Laguna Madre”
25. **Jason Zeplin** – 2005, “Effects of Seagrass Scarring on Juvenile Fish in Redfish Bay”
26. **Maren Harding** – 2004, “Seasonal abundance & habitat use of shorebirds in Blind Oso”
27. **Shannon Garvon** – 2004, “Seasonal abundance & habitat use of shorebirds at Sunset Lake”
28. **Amy Thurkill** – 2004, “Effects of adjacent land use on seagrasses in upper Laguna Madre”
29. **Richard Gibbons** – 2003, “Abundance and habitat preferences of wintering waterbirds in Redfish Bay” (professional paper)
30. **Jennifer Pearce** – 2003, “Relationship of seagrasses to benthic community structure, upper Laguna Madre & Baffin Bay, Texas”
31. **Jennifer Davidson** – 2002, “Effects of propeller scarring on molluscan community structure in seagrass Meadows of Redfish Bay, Texas”
32. **Matt Campbell** – 2001, “A dry season analysis of larval and juvenile assemblages of the Sian Ka’an Biosphere Reserve, Quintana Roo, Mexico”
33. **Kathryn Harvey-Tunnell** – 2001, “Epibiont flora and fauna associated with prop roots of two *Rhizophora mangle* forests, Vera Cruz and Quintana Roo, Mexico”
34. **Jace Tunnell** – 2001, “Differential use of seagrass habitats by juvenile fish”
35. **Teresa Barrera-Carrillo** – 2000, “Abundance & habitat use of birds in Blind Oso”
36. **Tammy White** – 2000, “Snowy plover breeding at Sunset Lake” (professional paper).
37. **Amy Koltermann** – 2000, “Ecological characterization of northwestern Caribbean ironshores, Quintana Roo, Mexico”
38. **Lucinda Sohn** – 1999, “Predator and prey relationship between *Perna perna* and *Stramonita haemastoma*”

39. **Tannika Engelhard** – 1998, “Biological effects of mechanical beach raking in the upper intertidal zone of Padre Island National Seashore, Texas”

In Progress

Shantel Sweirc “Diamondback terrapin genetics”

Danielle DeVacque – disturbance effects on shorebirds

Arras Wiedorn – turkey vulture roosting ecology

Marie Pendleton – visitor attitudes toward captive animals at TSA

Member - Biology

Graduates

1. **Jennifer Whitt** – 2019, “Benthic community composition in a watershed”
2. **Abby Williams** – 2019 “Faunal dynamics on a large restored oyster reef”
3. **Andrew Scerbo** – 2018, “Tracheal morphology of deer and bottlenose dolphin”
4. **Jacob Loveless** – 2017, “Insect communities in mixed mangrove/cordgrass marshes”
5. **Meredith Diskin** – 2016, “Comparison of faunal communities in mixed mangrove marshes and saltmarshes
6. **James Sanchez** – 2015, “ Macrobenthic and nektonic communities of mixed mangrove/marsh communities”
7. **I-Shou Huang** – 2014, “Brown tide toxins and their toxicological effects”
8. **Alex Rafalski** – 2012, “Evaluation of brevetoxin accumulation and degradation in coastal mammals, birds, and fish found moribund on Texas beaches during red tide blooms”
9. **Valerie Chilton** – 2011, “Unique assemblages of bacteria in *Halodule beaudettei* epiphytic biofilms from Corpus Christi Bay and the Upper Laguna Madre”
10. **Jennifer Sweatman** – 2010, “Accumulation of epiphytes on *Halodule wrightii* in response to nutrient enrichment in East Flats, Corpus Christi Bay and Nighthawk Bay, upper Laguna Madre, Texas”
11. **Emily Williamson** – 2008, “Soft corals on the Texas Coast”
12. **Katherine Miller** – 2006, “Nesting ecology of Botteri’s Sparrow
13. **Leslie Smith** – 2005, “Bird use of Oso Creek wetlands”
14. **Krista Storey** – 2005, “Seagrass genetics”
15. **Maria Brayfield** – 2004, “Byssal threads of *Perna perna* and *Perna viridis*”
16. **Dana Burfeind** – 2004, “Effects of seagrass scarring on juvenile fish communities”
17. **Addie Reid** – 2004, “Implementation of a long-term coral reef monitoring plan, Sian Ka’an Biosphere Reserve, Quintana Roo, Mexico”
18. **Chris Ledford** – 2003, “Comparison of Coral Species Diversity and Abundance Between Patch Reefs and Shallow Reefs of the Sian Ka’an Biosphere Reserve, Quintana Roo, Mexico”
19. **Tom Bates** – 2002, “Locomotory behavior of intertidal molluscs on rocky shores of the Sian Ka’an Biosphere Reserve, Quintana Roo, Mexico”
20. **W. Jay Tarkington** – 2002, “Kayaking guide to Aransas Bay” (professional paper)
21. **Traci Darnell** – 1998, “The influence of landscape features on bird use of marsh habitat created for whooping cranes (*Grus americana*) through beneficial use of dredged material”

Chair/CoChair – Environmental Science

Graduates

1. **Logan Anderson** – 2019, “feral cat communities and effects on avian faunas”
2. **Blake Bosch** – 2018, “Distribution of microplastics in soil and water in the Coastal Bend” (professional paper)
3. **Michael Lewis** – 2018, “Synergistic effects of dispersants and microbial remediation solutions on grass shrimp”
4. **Kristin Livingston** – 2016, “Rapid Assessment Method for Beach Dune Restoration Projects” (professional paper)

5. **Jennifer Klidies** – 2014, “Distribution and relationship of drift macroalgae & seagrass in the upper Laguna Madre, Texas” (professional paper)
6. **Kelly Breiden** – 2014, “Creating a rapid assessment method for compensatory mitigation on the Texas coast” (professional paper)
7. **Jennifer Lawrence** – 2014, “Composition and distribution of marine debris along three jetties in Corpus Christi, Texas (professional paper)
8. **Jose Torres** – 2013 “Compiling a compensatory mitigation project database/GIS” (professional paper)
9. **Frank McDaniel** – 2011 “Wintering shorebirds in Blind Oso (professional paper)
10. **Ryan Ubias** – 2010 “Nest Architecture of Texas Seaside Sparrow” (professional paper)
11. **Jackie Staggs** – 2008 “Trophic Status of Laguna Madre”
12. **Michelle Kolar** – 2005, “Breeding Ecology of Snowy Plovers”
13. **Alex Nunez** – 2004, “A Characterization of the Benthic Macroinvertebrate Communities in the Mission-Aransas and Nueces Estuaries”
14. **Kim Halbrook** – 2003, “Population estimate of Texas Diamondback Terrapin (*Malaclemys terrapin littoralis*) in Nueces Estuary and Assessment of Nesting Habitat Suitability”

Member – Environmental Science

Graduates

1. **Ben Lawson** – 2016, “Quantifying productivity in various compartments in saltmarshes”
2. **Maria Rodriguez** – 2015, “Incidence of Dermo in Copano Bay oysters” (professional paper)
3. **Michael Rittenhouse** – 2015, “*Sargassum* effects on dune sedimentation processes”
4. **David Franklin** – 2014, “Current and potential impacts of global warming & ocean acidification on mollusks & polychaetes (professional paper)
5. **Sara Smith** – 2014, “Using benthic communities to evaluate disturbance at McMurdo Station, Antarctica”
6. **Paniz Bighash** – 2013 “Evaluation of groundwater contributions to Oso Creek, South Texas”
7. **Jacalyn Gorczynski** – 2012 “Paleotemperature of Indianola”
8. **Boris Radosovic** – 2012 “Accretionary processes on Mustang Island”
9. **Michael Barajas** – 2010 “Benthic communities before and after Packery Channel opening”
10. **LeAnn Kincaid** – 2010, “Coral reef education program” (professional paper)
11. **Holly Hardaway** – 2001, “Characterization of benthic macroinvertebrate communities in the Texas Coastal Bend in relation to salinity”
12. **Erin Albert** – 2001, “Benthic community response to bioremediation experiments on the San Jacinto River, Houston, Texas”

Chair/Co-Chair – FAMA

Graduates

1. **Adriana Leiva** – 2018, “Cow nose ray diet” (professional paper)
2. **Phil Fowler** – 2017, “Blue crab megalopae distribution”
3. **Tyler Schnacht** – 2017, “Preconditioning hatchery raised red drum to habitat structure”
4. **Dale Cochran** – 2013, “Length-at-age relationship of oversized red drum (*Sciaenops ocellatus*) from the northwestern Gulf of Mexico” (professional paper)

Member – FAMA

Graduates

1. **Kat Mendenhall** – 2015, “Black drum starvation in Baffin Bay”
2. **Patrick Graham** – 2015, “Evaluating community development in restored oyster reefs”
3. **Brandon Klim** – 2009, “The effect of a short chain fructooligosaccharide prebiotic on the growth, survival and immune response of adult pacific white shrimp *Litopenaeus vannamei*”
4. **Rodrigo Almeida** – 2006 “Shrimp feed chemo-attractants”

5. **Jason T. Fricker** – 2004, “Growth and nutrient uptake of *Gracilaria tikvahiae* in a continuous flow, recirculating shrimp (*Litopenaeus vannamei*) production system”

Chair/Co-chair - MARB M.S.

Graduates

1. **Danielle Zimmerman** – 2018, “Scope for Growth and Dermo disease in oysters”
2. **Lindsey Ramirez** – 2017, “Hypersalinity effects on terrapin physiology”
3. **Josette Delgado** – 2016, “Trophic position of porcelain crabs in oyster reef using stable isotopes”
4. **Geoffrey Purtle** – 2014, “Characterization of the macrofauna communities inhabiting drifting offshore and nearshore *Sargassum* on the central Texas Gulf of Mexico coast (professional paper)”
5. **Rachel Fern** – 2013, “Reproductive success of nesting terns and black skimmers on the central Texas coast”

Member – MARB M.S.

Graduates

1. **Danielle Aguilar** – 2017, “Development of benthic communities on oyster reefs”
2. **Kevin DeSantiago** – 2015, “Evaluating oyster community establishment on differing substrate types used in restoration projects”
3. **Meredyth Herdener** – 2015, “Salinity effects on macrobenthos in Nueces Estuary”
4. **Katie Sharp** – 2014, “Fatty acids in emaciated black drum from Baffin Bay, Texas” (professional paper).

In Progress

Abe Margo – BIBI for tidal streams
Megan Martinez – oyster restoration

Member - MARB Ph.D.

Graduates

1. **I-Shou Huang** – 2018, “Algal toxins and bioactive properties”
2. **Michael Reuscher** – 2013 “Biodiversity, ecology, and natural history of polychaetous annelids from the Gulf of Mexico”
3. **Adrian Bandolon** – 2014 “Development of a methodology for evaluation of dietary feeding stimulants for the sea urchin *Lytechinus variegatus* (Lamarck)”

Member - CMSS Ph.D.

Graduates

Keith Johnson – 2011 “The effects of predation and predator diversity on oyster reef community structure”

In Progress

Terry Palmer – disturbance effects of benthos of Antarctica

Other Institutions

Chair – Biology, University of West Florida

Lara Coburn – 1995, “Reproductive Success of Black Skimmers in Florida”

Member – Biology, University of Louisville

Kyle Anderson – 2015, “No Effect of Hydrocarbon and Salinity Disturbance on Marine Meiofauna Diversity and Community Structure”

Member – Marine Science, University of Southern Alabama

Meredith Diskin – “bottom up effects in mixed cordgrass/mangrove marshes and climate change”