

Curriculum Vitae

Jennifer Beseres Pollack

Harte Research Institute for Gulf of Mexico Studies

Department of Life Sciences

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Professional Preparation

2021	Certificate	Women in Leadership	Cornell University
2006	Ph.D.	Marine Science	University of South Carolina
2002	M.S.	Marine Science	University of South Carolina
1999	B.A.	Environmental Science	Northwestern University

Appointments

2022-present	Endowed Chair for Coastal Conservation and Restoration, Harte Research Institute for Gulf of Mexico Studies, Texas A&M Univ-Corpus Christi
2022-present	Professor, Department of Life Sciences, Texas A&M Univ-Corpus Christi
2018-2022	Chair for Coastal Conservation and Restoration, Harte Research Institute for Gulf of Mexico Studies, Texas A&M University-Corpus Christi
2017-2022	Associate Professor, Department of Life Sciences, Texas A&M University-Corpus Christi
2017-2019	Coordinator, Marine Biology Doctoral and Master's Program, Texas A&M University-Corpus Christi
2013-2018	Ruth Campbell Professorship in Coastal and Marine Systems Science, Texas A&M University-Corpus Christi
2011- 2017	Assistant Professor, Department of Life Sciences, Texas A&M University-Corpus Christi
2011-2015	Fisheries and Mariculture Master's Program Coordinator, Texas A&M University-Corpus Christi Peace Corps Master's International Program Coordinator, Texas A&M University-Corpus Christi
2011-2012	Visiting Research Fellow, Université de La Rochelle, La Rochelle, France
2011-2011	Professional Assistant Professor, Department of Life Sciences, Texas A&M University-Corpus Christi
2009-2011	Assistant Research Scientist, Harte Research Insititute for Gulf of Mexico Studies, Texas A&M University-Corpus Christi
2007-2009	Postdoctoral Research Associate, Harte Research Insititute for Gulf of Mexico Studies, Texas A&M University-Corpus Christi
2002-2006	Graduate Research Fellow, University of South Carolina & North Inlet-Winyah Bay National Estuarine Research Reserve
2000-2002	Graduate Research Assistant, University of South Carolina

Research Grants

2023. Index of Biotic Integrity (IBI) for the Texas Coast. J. Beseres Pollack. **Texas Commission on Environmental Quality** - \$281,567 (2 years).
2023. Developing methods for restoration of cyanobacterial mats on wind-tidal flats. J. Beseres Pollack (PI), K. Withers (Co-PI). **SpaceX** - \$525,139 (\$416,602 Pollack share) (2 years).
2023. Post-nourishment beach benthic invertebrate monitoring. J. Beseres Pollack (PI), K. Withers (Co-PI). **Texas General Land Office** - \$340,750 (1.5 years).
2023. Habitat assessment in oyster conservation areas. E. Pettis (PI), J. Beseres Pollack (PI), C. Ledford (PI). **Texas Parks and Wildlife Department State Wildlife Grant** - \$139,218 (\$49,459 Pollack share) (2 years).
2023. Measuring shell proteins to understand growth potential and improve site selection for oyster farms in Texas. J. Beseres Pollack (PI), Z. Liu (Co-PI). **Texas Sea Grant** - \$329,493 (\$109,857 Pollack share) (2 years).
2023. DECORATE: Developing an Ecosystem-based Conservation framework for Oyster Reefs Across Texas Estuaries. S. Brandl (PI), K. Bahr (PI), D. Coffey (Co-PI), J. Beseres Pollack (Co-PI), K. Nielsen (Co-PI), J. Casey (Co-PI), C. Biggs (Co-PI). **RESTORE Science Program** – \$1,899,460 (\$113,312 Pollack share) (5 years).
2023. Synthesizing environmental and biological monitoring data to assess how fisheries resources along Texas coasts are impacted by severe weather events, using a total ecosystem approach. C. Biggs (PI), Z Liu (PI), H Liu (Co-PI), E. Buskey (Co-PI), Z. Hu (Co-PI), M. Fisher (Co-PI), J. Beseres Pollack (Co-PI), A. Quigg

- (Co-PI), J. Garland (Co-PI), A. Hilmy (Co-PI), J. Du (Co-PI), P. Montagna (Co-PI), Z. Olsen (Co-PI), C. Jensen (Co-PI). **Gulf Ecosystem Initiative** – \$125,000 for team travel to NCEAS. (2 years).
2023. Refining field methods for oyster reef carbon sequestration: implications for conservation, restoration, and mitigation of atmospheric CO₂. J. Beseres Pollack and K. Savage. **Harvey Weil Sportsman Conservationist Award** - \$10,000 (1 year).
2023. Science to inform resource management: Understanding oyster population response to harvest closures and restoration actions in Mesquite Bay. J. Beseres Pollack. **Coastal Conservation Association** - \$225,000 (3 years).
2023. Advancing Oyster Reef Restoration in the Mesquite Bay Complex. J. Beseres Pollack. **Coastal Bend Bays and Estuaries Program** - \$78,796 (1 year).
2022. Padre Island wind tidal flat restoration. K. Withers (PI), J. Beseres Pollack (Co-PI) **Department of Interior – National Park Service** - \$297,939 (\$228,491 Pollack share) (2 years).
2022. Pre-nourishment beach benthic invertebrate monitoring. J. Beseres Pollack (PI), K. Withers (Co-PI). **Texas General Land Office** – \$128,751 (\$120,850 Pollack share). (1.5 years)
2022. NRT-HDR: Stakeholder-Guided Environmental Science (STAGES). D. Murgulet, X. Hu, C. Liu, J. Beseres Pollack, P.E. Tissot. **National Science Foundation** - \$2,000,000 (\$76,430 Pollack portion). (4 years).
2022. Tidal Index of Biotic Integrity (IBI) for the Texas Coast. J. Beseres Pollack. **Texas Commission on Environmental Quality** - \$104,697 (1 year).
2022. Evaluating effects of oyster restoration reef design on habitat enhancement and ecology. J. Beseres Pollack. **Texas Parks and Wildlife Department** - \$153,810 (\$110,397 Pollack share; 3 years)
2022. Restoring oyster reef habitat in Tres Palacios Bay and developing best practices for future restoration. J. Beseres Pollack. **Matagorda Bay Mitigation Trust** - \$399,816 (\$142,493 Pollack share; 3 years).
2022. Oyster habitat investigations for rookery island enhancement. J. Beseres Pollack. **Coastal Bend Bays and Estuaries Association** - \$43,986 (1 year).
2021. Understanding oyster reef living shoreline carbon cycling in support of climate-smart conservation practices. J. Beseres Pollack & X. Hu. **USDA-Natural Resource Conservation Service** - \$350,000 (\$256,127 Pollack portion) (3 years).
2021. Oyster reef carbon sequestration: implications for conservation, restoration, and mitigation of atmospheric CO₂. J. Beseres Pollack & X. Hu. **Coastal Conservation Association** - \$250,000 (\$125,000 Pollack portion) (3 years).
2021. NOAA Cooperative Science Center for Coastal and Marine Ecosystems-II. Montagna, P.A. (PI), Gawlik, D. (Co-PI), Gibeaut, J. (Co-PI), Hu, X. (Co-PI), Beseres Pollack, J. (Co-PI), Stunz, G. (Co-PI), Wetz, M. (Co-PI). **National Oceanic and Atmospheric Administration #NA21SEC4810004** via subcontract from Florida A&M University #C-5116 - \$1,218,060 (1 year; Pollack portion \$115,938).
2021. Freshwater Inflows to Texas Bays and Estuaries: A State-Wide Review, Synthesis, and Recommendations. P.A. Montagna (PI), J. Gibeaut (Co-PI), X. Hu (Co-PI), J. Beseres Pollack CoPI, G. Stunz (Co-PI), M. Wetz (Co-PI). **Texas General Land Office 21-155-007-C879** - \$1,325,449; (2 years; Beseres Pollack share \$52,389).
2021. Living shoreline master planning. J. Beseres Pollack & J. Gibeaut. **USDA-Natural Resource Conservation Service** - \$187,233 (\$99,168 Pollack portion) (3 years).
2021. Supporting conservation of Mesquite Bay reefs. J. Beseres Pollack. **Coastal Bend Bays and Estuaries Program** - \$60,000 (1 year).
2021. Evaluating the use of living shorelines to improve water quality. J. Beseres Pollack. **USDA-Natural Resource Conservation Service** - \$178,293 (3 years).
2021. Influence of an extreme cold air outbreak on food web dynamics in Baffin Bay: phase 2. J. Beseres Pollack. **Coastal Bend Bays and Estuaries Program** - \$60,000 (1 year).
2021. Closing the loop: Recycling shells and restoring reefs for resilience and recovery. J. Beseres Pollack. **Texas General Land Office Coastal Management Program** - \$355,289 (2 years).
2021. Influence of an extreme cold air outbreak on food web dynamics in Baffin Bay: near term sampling. J. Beseres Pollack. **Coastal Bend Bays and Estuaries Program** - \$24,060 (1 year).

2021. Oyster reef restoration in Aransas Bay, Texas. J. Beseres Pollack. **Environmental Protection Agency** - \$198,690 (1 year).
2020. Atlantic and Gulf Shellfish Seed Biosecurity Collaborative. Rowe P, Bushek D, Carnegie R, Calvo L, Rheault B, Marxen L, Sturmer L, Walton WC, La Peyre J, Beseres Pollack J. **NOAA Advanced Aquaculture Program** - (\$66,825 Pollack portion) (2 years).
2020. A road-map for developing resilient oyster populations: using spatialized and process-based modelling for restoration under current and predicted future water quality conditions. M La Peyre, J Beseres Pollack, R Lavaud, B Couvillion. **South Central Climate Adaptation Center** - \$299,185 (\$76,000 Pollack portion) (2 years).
2020. Coupled restoration of intertidal and subtidal oyster reef to rebuild habitat and fisheries. J. Beseres Pollack. **NOAA Community Restoration Program** - \$353,456 (3 years).
2020. Shell Bank: Enhancing coastal resiliency via shell recycling, restoration and community partnerships. J. Beseres Pollack. **Texas General Land Office Coastal Management Program** - \$125,000 (1.5 years).
2019. Living shoreline restoration in the Mission-Aransas Estuary. J. Beseres Pollack. **Texas Parks and Wildlife Department** - \$300,000 (3 years).
2019. Tidal Index of Biotic Integrity (IBI) for the Texas Coast. J. Beseres Pollack. **Texas Commission on Environmental Quality** - \$299,977 (2 years).
2019. Shell Bank: coastal resiliency through shell recycling, community engagement and habitat restoration. **Texas General Land Office Coastal Management Program** - \$99,891 (1.5 years).
2019. Restoring Serpulid Reef Habitat in Baffin Bay. J. Beseres Pollack. **Coastal Conservation Association** - \$75,000 (2 years).
2019. A multi-disciplinary ecosystem assessment of West Matagorda Bay to inform conservation of threatened and endangered species G.W. Stunz, J.C. Gibeaut, E.L. Oborny, P.T. Plotkin, J. Beseres Pollack, J.R. Rooker, R.J. David Wells, M.S. Wetz. **Texas Comptroller of Public Accounts** - \$326,850 (Pollack portion; 2 years).
2019. Greening oyster reef restoration in the Gulf: evaluating biodegradable alternatives to traditional plastic mesh bagging methods. J. Beseres Pollack. **Environmental Protection Agency Gulf of Mexico Program** - \$235,662 (2 years).
2018. Evaluating the relative habitat value of intertidal and subtidal oyster reefs to improve restoration methods. J. Beseres Pollack, G. Stunz, M. Streich, J. Curtis. **Texas SeaGrant** - \$116,105 (2 years).
2018. Shell Bank: Oyster shell recycling, restoration resources, and reef resilience. J. Beseres Pollack. **Texas General Land Office Coastal Management Program** - \$99,607 (1.5 years).
2018. Assessment of Baffin Bay Serpulid reef communities as critical habitat for black drum prey resources. J. Beseres Pollack, N. Breaux. **Coastal Bend Bays and Estuaries Program** - \$30,000 (1 year).
2018. Baffin Bay's unique Serpulid reef habitat: science to advance conservation. J. Beseres Pollack, N. Breaux. **Coastal Conservation Association** - \$60,000 (1 year).
2018. Collaborative Research: Testing for local adaptation and responses to multiple stressors among populations of eastern oysters inhabiting a natural salinity gradient. J. Beseres Pollack, J. Scarpa. **National Science Foundation** - \$259,364 (3 years).
2017. Tidal Index of Biotic Integrity (IBI) for the Texas Coast. J. Beseres Pollack. **Texas Commission on Environmental Quality** - \$245,658 (2 years).
2017. A roadmap for restoration success in Texas. J. Beseres Pollack, G. Sutton. **Coastal Conservation Association** - \$120,000 (1 year).
2017. Shell Bank: oyster shell recycling, citizen engagement, hands-on learning, & reef characterization. J. Beseres Pollack. **Texas General Land Office Coastal Management Program** - \$99,942 (1.5 years).
2017. An ecosystem-based approach to assess Baffin Bay's Black Drum in different hydrological conditions. J. Beseres Pollack, T. Palmer. **Coastal Bend Bays and Estuaries Program** - \$30,000 (1 year).
2016. Connecting youth to coastal habitat restoration in Texas. J. Beseres Pollack, G. Sutton, V. Dulip, B. Almaraz, T. Palmer. **National Fish and Wildlife Foundation**. - \$249,292 (2 years).
2016. Copano Bay oyster reef restoration. J. Beseres Pollack. **HDR Engineering, Inc.** - \$22,798 (1 year).

2016. Oyster reef restoration to support fish, waterbirds, and marsh in St. Charles Bay. J. Beseres Pollack. **Coastal Conservation Association** - \$75,000 (2 years).
2016. Shell Bank: Oyster shell recycling, community involvement, student institute, and oyster response to environmental change. J. Beseres Pollack. **Texas General Land Office Coastal Management Program** - \$99,169 (1.5 years).
2015. Shell Bank: Oyster shell recycling, community engagement, teacher institute, and oyster health. J. Beseres Pollack. **Texas General Land Office Coastal Management Program** - \$99,289 (1.5 years).
2015. Freshwater inflow needs for conserving Texas oyster reefs. J. Beseres Pollack. **Harvey Weil Sportsman Conservationist Grant** - \$8,500 (1 year).
2014. Why are Black Drum starving in Baffin Bay? An ecosystem-based approach to develop community resilience and sustainable fisheries in a hypersaline estuary. G. Stunz, J. Beseres Pollack, M. Ajemian. **Texas Sea Grant**. \$120,000 (2 years).
2014. An ecosystem-based approach to why black drum are starving in Baffin Bay: phase 2. G. Stunz, J. Beseres Pollack, M. Wetz, M. Ajemian. **Coastal Bend Bays and Estuaries Program**- \$30,000 (1 year).
2014. Half Moon Reef restoration and monitoring. J. Beseres Pollack. **The Nature Conservancy** - \$125,959 (2 years).
2014. Shell Bank: Oyster shell recycling, teacher engagement, environmental stewardship, and scientific inquiry. J. Beseres Pollack. **Texas General Land Office Coastal Management Program** - \$99,482 (1.5 years).
2013. Half Moon Reef oyster reef restoration: phase 1. J. Beseres Pollack. **The Nature Conservancy** - \$335,106 (5 years).
2013. Oyster reef restoration: improving fish habitat and water quality. J. Beseres Pollack and B. Froeschke. **National Fish and Wildlife Federation**. \$127,432 (1.5 years).
2013. Oyster reef restoration: assessing the benefits to food resources in Texas Bays. J. Beseres Pollack. **Texas State Aquarium** - \$15,000 (1 year).
2013. Why are black drum starving in Baffin Bay? An ecosystem-based approach. G. Stunz, P. Montagna, J. Beseres Pollack, M. Wetz, M. Ajemian, M. Sluis. **Coastal Bend Bays and Estuaries Program**- \$60,000 (1 year).
2013. Why are Black Drum starving in Baffin Bay? J. Beseres Pollack. **Harvey Weil Sportsman Conservationist Award** - \$10,000 (1.5 years).
2013. Shell Bank: Improving oyster reef restoration through oyster shell recycling, education, and scientific inquiry. J. Beseres Pollack. **Texas General Land Office Coastal Management Program** - \$99,228 (1.5 years).
2013. A comparison of food web structure on standing versus cutoff oil rigs in the Gulf of Mexico. J. Beseres Pollack. **TAMUCC University Research Enhancement Grant** - \$5,000 (1 year).
2013. Oyster reef restoration to restore fish habitat on Lap Reef in Copano Bay. J. Beseres Pollack. **Coastal Conservation Association** - \$75,000. (2 years).
2013. Oyster reef restoration in Texas: enhancing water filtration capacity and recreational fishing in Aransas Bay near Goose Island State Park. J. Beseres Pollack. **Coastal Conservation Association** - \$75,000. (2 years).
2012. Oyster reef restoration in Texas: enhancing water filtration capacity. J. Beseres Pollack. **Gulf of Mexico Foundation-NOAA Community-based Restoration Program** - \$80,000 (1.5 years).
2012. Shell Bank: an oyster shell recycling, habitat selection and outreach program for the Texas Coastal Bend. J. Beseres Pollack. **Texas General Land Office Coastal Management Program** - \$99,825 (2 years).
2012. Applying stable isotopes to compare food webs associated with restored versus natural habitats. J. Beseres Pollack. **Texas Research Development Fund** - \$25,000 (1 year).
2012. Utilizing mineral accretion technology for oyster reef restoration. J. Beseres Pollack, S.D. Lyle, L. Lloyd, J. Adams. **Ed Rachal Foundation** - \$25,000 (1 year).
2012. Development of *Perkinsus marinus* infection on a restored oyster reef. J. Beseres Pollack. **TAMUCC Faculty Research Enhancement Grant** - \$2,200 (1 year).

2012. Improving southern flounder sport fisheries in Texas. J. Beseres Pollack. **Harvey Weil Sportsman Conservationist Award** - \$4,000 (1.5 years).
2012. Research development grant. J. Beseres Pollack. **TAMUCC New Faculty Research Development Program** - \$2,500 (1 year).
2011. Oyster reef restoration to restore fish habitat in Texas. J. Beseres Pollack and L. Smee. **Fish America Foundation / NOAA Community-based Restoration Partnership** - \$75,908 (2 years).
2011. Characterizing the oyster reef community of Sabine Lake: a before-after-control-impact study. J. Beseres Pollack and G.W. Stunz. **Texas Parks and Wildlife Department** - \$68,990 (2 years)
2011. Shell Bank: An oyster shell recycling, reef planning, and education program for the Texas Coastal Bend. J. Beseres Pollack. **Texas General Land Office Coastal Management Program** - \$99,647 (2 years).
2011. Oyster reef restoration for increasing fish habitat on Lap Reef in Copano Bay. J. Beseres Pollack. **Texas General Land Office Kills and Spills Team** - \$19,500 (1 year).
2010. Oyster reef restoration in the Texas Coastal Bend using reclaimed oyster shells to restore habitat on Lap Reef in Copano Bay. J. Beseres Pollack. **NOAA/ EPA / Gulf of Mexico Program, Gulf of Mexico Community-based Restoration Partnership** - \$95,000 (2 years).
2010. Shell Bank: An Oyster Shell Recycling Program for the Texas Coastal Bend. J. Beseres Pollack. **Texas General Land Office Coastal Management Program** - \$99,784 (2 years).
2010. Assessment of changing ecosystem services provided by marsh habitat in the Galveston Bay region. D. Yoskowitz, C. Carollo, J. Beseres Pollack. **Gulf of Mexico Foundation / NOAA** - \$73,133 (1 year).
2009. CAMEO: Building the Foundation – An Integrative Approach to Managing the Dewatering of Estuaries. P.A. Montagna, J. Gibeaut, R. McLaughlin, T. Shirley, G. Stunz, D. Yoskowitz, H.-C. Kim, and J. Beseres Pollack. **NSF / NOAA** - \$430,000 (2 years).
2009. Assessment and Prioritization of Gulf of Mexico Coastal Ecosystems Affected by Alterations in Freshwater Inflow. P.A. Montagna and J. Beseres Pollack. **EPA / Gulf of Mexico Alliance** - \$210,680 (2 years).
2009. Shell Bank: An Oyster Shell Reclamation, Storage and Recycling Program for Oyster Reef Restoration. P.A. Montagna, J. Beseres Pollack, and J. Fox. **Texas General Land Office Coastal Management Program** - \$97,034 (2 years).
2003. Regulation of macrobenthos by juvenile white shrimp, *Litopenaeus setiferus*, in southeastern salt marshes. J.J. Beseres. **NOAA / National Estuarine Research Reserve System Graduate Research Fellowship** - \$60,000 (3 years).
2003. White shrimp as predators on macrobenthos in salt marshes. J.J. Beseres. **Slocum-Lunz Foundation** - \$955 (1 year).
2002. Pacific white shrimp (*Litopenaeus vannamei*) gut passage time as a function of feed quality: comparing field versus laboratory. J.J. Beseres. **Southeastern Estuarine Research Society Crustacean Workgroup Travel Grant** - \$1,250 (1 year).
2002. Field and laboratory feeding dynamics of penaeid shrimp. J.J. Beseres. **Slocum-Lunz Foundation** - \$1,450 (1 year).

Publications

Beseres Pollack-mentored graduate student*; undergraduate student**

In review

Neffinger AJ, Breaux NJ, Margo AD, Palmer TA, Trackenberg SN, Beseres Pollack J (in 2nd review).

Developing a bioassessment framework to inform tidal stream management along a hydrologically variable coast. *Ecological Indicators* (Resubmitted January 2024).

In print

- Savage KN, Palmer TA, Montagna PA, **Beseres Pollack J** (in press). Effects of climate-driven salinity regimes on oyster disease dynamics and local and regional scales. In: Montagna PA (ed.), *Freshwater Inflows to Texas Bays and Estuaries - A Regional-Scale Review, Synthesis, and Recommendations*.
- Lavaud, R, La Peyre MK, Couvillion B, **Beseres Pollack J**, Brown V, Palmer TA, Keim B (2024). Predicting restoration and aquaculture potential of eastern oysters through an eco-physiological mechanistic model. *Ecological Modelling* 489, 110603. DOI: 10.1016/j.ecolmodel.2023.110603
- Breaux N, Avalos A, Gilmore J, Palmer TA, **Beseres Pollack J** (2023). Recruitment dynamics of Serpulid worms in Baffin Bay, Texas: implications for habitat restoration in a hypersaline estuary. *Estuaries and Coasts*. <https://doi.org/10.1007/s12237-023-01233-7>.
- Beseres Pollack J**, Breaux N, Withers K (2023). Open Bay. In: *The Laguna Madre of Texas and Tamaulipas. Revised Edition*. Withers K, Chapman BR, Tunnell JW Jr., Judd FW (eds.). Pp 136-150.
- Fitzsimmons-Doolan S, **Beseres Pollack J** (2023). Shifting linguistic patterns in oyster restoration news articles surrounding the Deepwater Horizon disaster. *Frontiers in Conservation Science: Human-Wildlife Interactions*. Accepted March 2023. Awaiting DOI.
- Montagna PA, Palmer TA, **Beseres Pollack J** (2022). Effect of temporarily opening and closing the marine connection of a river estuary. *Estuaries and Coasts*. <https://doi.org/10.1007/s12237-022-01159-6>.
- Comba D*, Palmer TA, Breaux NJ, **Beseres Pollack J** (2022). Evaluating biodegradable alternatives to plastic mesh for small-scale oyster reef restoration. *Restoration Ecology*. DOI: 10.1111/rec.13762.
- Palmer TA*, Klein AG, Sweet, ST, Frazier AJ, Montagna PA, Wade TL, **Beseres Pollack J** (2022). Using epibenthic fauna as biomonitors of local marine contamination adjacent to McMurdo Station, Antarctica. *Marine Pollution Bulletin* 178: 113621. <https://doi.org/10.1016/j.marpolbul.2022.113621>.
- Martinez MJ*, Palmer TA, Breaux NJ, **Beseres Pollack J** (2022). Dynamics of restored and natural oyster reefs after a hurricane. *Frontiers in Ecology and Evolution: Conservation and Restoration Ecology*. <https://doi.org/10.3389/fevo.2022.791739>.
- Clarkson E*, **Beseres Pollack J** (2021). Using aerial imagery to quantify faunal-habitat associations across multiple spatial scales in a south Texas estuary: a cost-effective approach to informing fisheries management. *Marine Ecology Progress Series*. <https://doi.org/10.3354/meps13948>.
- Palmer TA*, Klein AG, Sweet ST, Montagna PA, Hyde LJ, **Beseres Pollack J** (2021). Anthropogenic effects on the marine environment adjacent to Palmer Station, Antarctica. *Antarctic Science*. <https://doi.org/10.1017/S0954102021000535>.
- Marshall DA, Casas S, Walton W, Rikard F, Palmer TA, Breaux N, La Peyre M, **Beseres Pollack J**, La Peyre J (2021). Divergence in salinity tolerance of northern Gulf of Mexico eastern oysters under field and laboratory exposure. *Conservation Physiology*. <https://doi.org/10.1093/conphys/coab065>.
- Palmer TA, Breaux N, Lebreton B, Guillou G, **Beseres Pollack J** (2021). Importance of Serpulid reef to the functioning of a hypersaline estuary. *Estuaries and Coasts*. DOI: 10.1007/s12237-021-00989-0.
- Beseres Pollack J**, Palmer TA, Williams AE* (2021). Medium-term monitoring reveals effects of El Niño Southern Oscillation climate variability on local salinity and faunal dynamics on a restored oyster reef. *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0255931>.
- Marshall DA, Coxe NC, La Peyre MK, Walton W, **Beseres Pollack J**, Kelly M, La Peyre JF (2021). Tolerance of northern Gulf of Mexico eastern oysters to chronic warming at extreme salinities. *Journal of Thermal Biology*; <https://doi.org/10.1016/j.jtherbio.2021.103072>.
- Marshall DA, La Peyre MK, Palmer TA, Guillou G, Sterba-Boatwright BD, **Beseres Pollack J**, Lebreton B (2021). Freshwater inflow and responses from estuaries across a climatic gradient: An assessment of northwestern Gulf of Mexico estuaries based on stable isotopes. *Limnology and Oceanography* 66: 3568-3581. DOI: 10.1002/lno.11899.
- Harris LA, Grayson T, Neckles HA, Emrich CT, Lewis KA, Grimes KW, Williamson S, Garza C, Whitcraft CR, **Beseres Pollack J**, Talley DM, Fertig B, Palinkas CM, Park S, Vaudrey JMP, Fitzgerald AM, Quispe J (2021). A socio-ecological imperative for broadening participation in coastal and estuarine research and management. *Estuaries and Coasts*. <https://doi.org/10.1007/s12237-021-00944-z>.

- Hajovsky P, **Beseres Pollack J**, Anderson J (2021). Morphological assessment of the Eastern oyster *Crassostrea virginica* throughout the Gulf of Mexico. *Marine and Coastal Fisheries* 13: 309-319. <https://doi.org/10.1002/mcf2.10156>.
- Lebreton B, **Beseres Pollack J**, Blomberg B*, Palmer TA, Montagna PA (2020). Oyster growth across a salinity gradient in a shallow, subtropical Gulf of Mexico estuary. *Experimental Results* 2: e10. <https://doi.org/10.1017/exp.2020.72>.
- Clarkson E*, **Beseres Pollack J** (2020). Characterizing fish-habitat associations through paired fisheries-independent and in-situ habitat assessments. *North American Journal of Fisheries Management*. DOI: 10.1002/nafm.10530.
- Palmer TA*, Klein AG, Sweet S, Montagna PA, Serciano J, Hyde LJ, Wade T, Kennicutt MC, **Beseres Pollack J** (2020). Long-term changes in contamination and macrobenthic communities adjacent to McMurdo Station, Antarctica. *Science of the Total Environment*. <https://doi.org/10.1016/j.scitotenv.2020.142798>.
- De Santiago K*, Palmer TA, Wetz MS, **Beseres Pollack J** (2020). Response of macrobenthic communities to changes in water quality in a subtropical, microtidal estuary (Oso Bay, Texas). *Experimental Results*; <https://doi.org/10.1017/exp.2020.44>
- Beseres Pollack J**, Palmer TA (2020) *Crassostrea virginica* dredge efficiency in Texas estuaries. *Experimental Results*; <https://doi.org/10.1017/exp.2019.2>.
- Aguilar D*, Palmer TA, Lebreton B, **Beseres Pollack J** (2019). Salinity disturbance affects faunal community structure and organic matter on a restored *Crassostrea virginica* oyster reef. *Estuarine, Coastal and Shelf Science*; <https://doi.org/10.1016/j.ecss.2019.106267>.
- Breaux N*, Lebreton B, Palmer TA, Guillou G, **Beseres Pollack J** (2019). Ecosystem resilience following salinity change in a hypersaline estuary. *Estuarine, Coastal and Shelf Science*; <https://doi.org/10.1016/j.ecss.2019.106258>.
- Lebreton B, Rivaud A, Picot L, Prevost B, Barillé, Sauzeau T, **Beseres Pollack J**, Lavaud J (2019). From ecological relevance of the ecosystem services concept to its sociopolitical use. The case study of intertidal bare mudflats in the Marennes-Oléron Bay, France. *Ocean & Coastal Management* 172: 41-54. <https://doi.org/10.1016/j.ocecoaman.2019.01.024>
- De Santiago K*, Palmer TA, Dumesnil M, **Beseres Pollack J** (2019). Rapid development of restored oysters facilitates habitat provision for resident fauna. *Restoration Ecology*; doi: 10.1111/rec.12921.
- Rezek RJ*, Lebreton B, Palmer TA, Stunz GW, **Beseres Pollack J** (2018). Structural and functional similarity of epibenthic communities on standing and reefed platforms in the northwestern Gulf of Mexico. *Progress in Oceanography* 168: 145-154. <https://doi.org/10.1016/j.pocean.2018.09.020>
- Blomberg BN*, Palmer TA, Montagna PA, **Beseres Pollack J** (2018). Habitat assessment of a restored oyster reef in South Texas. *Ecological Engineering* 122: 48-61.
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Popular science publications

Beseres Pollack J (2022) A case for conserving oyster reefs in Texas. Texas Saltwater Fishing Magazine. February 2022.

Beseres Pollack J (2022) A case for conserving oyster reefs in Texas. Reprinted in Tide Magazine. May 2022.

Beseres Pollack J (2022) A case for conserving oyster reefs in Texas. Reprinted in Texas Wildlife Magazine. August 2022.

Archived datasets

Pollack, J. B., Palmer, T., Breaux, N., Kelly, M., La Peyre, J. (2023) Salinity tolerance of oysters without acclimation in lab conditions: mortality. Biological and Chemical Oceanography Data Management Office (BCO-DMO). (Version 1) Version Date 2023-02-24. doi:10.26008/1912/bco-dmo.870210.1

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Beseres Pollack J, Breaux N, Palmer TA, Savage KB, DeSantiago K, Downey D (2022) Monitoring of *Perkinsus marinus* (Dermo disease) infection intensity in *Crassostrea virginica*, and water quality in the Mission-Aransas Estuary, 2014-2021. Distributed by: Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC), Harte Research Institute, Texas A&M University–Corpus Christi. doi:10.7266/JJZYJ9AT

Martinez MJ, **Beseres Pollack J**, Palmer TA, Breaux N (2021) Monitoring of oyster and epifauna populations at a constructed oyster reef (Big Tree Reef), St Charles Bay, Texas from 2017 to 2019. Distributed by: Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC), Harte Research Institute, Texas A&M University–Corpus Christi. doi:10.7266/4M7E26BH

Beseres Pollack J, Palmer TA, De Santiago K, Marshall D, Williams A, Breaux N (2021) Monitoring of oyster and epifauna populations at a constructed oyster reef (Half Moon Reef), Matagorda Bay, Texas from 2014 to 2019. Distributed by: Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC), Harte Research Institute, Texas A&M University–Corpus Christi. doi:10.7266/BQ5QBXJ0

Lebreton B, **Beseres Pollack J**, Blomberg B, Palmer TA, Montagna PA (2020). Oyster growth in a shallow subtropical estuary (Mission-Aransas Estuary, Texas, USA) 2010-11-24 to 2011-08-17. Distributed by: Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC), Harte Research Institute, Texas A&M University-Corpus Christi. doi: 10.7266/AC120KMV.

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Beseres Pollack J, Palmer T, Breaux N (2019). Comparison of oyster populations sampled by dredge and quadrat. Distributed by: Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC), Harte Research Institute, Texas A&M University-Corpus Christi. doi:10.7266/DRCEDRM3

Reisinger A, **Beseres Pollack J**, Gibeaut J (2020). Oyster Reef Restoration Habitat Suitability Index of Texas Bays & Estuaries. Distributed by: Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC), Harte Research Institute, Texas A&M University–Corpus Christi. doi:10.7266/n7-htxh-3g51

Beseres Pollack J, Palmer T, Breaux N, Rubio K (2019) Benthic macrofauna abundance and biomass data collected in Baffin Bay and Laguna Madre, Texas from 2014-03-20 to 2017-07-11. Distributed by: Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC), Harte Research Institute, Texas A&M University-Corpus Christi. doi:10.7266/ZNMDE1P0

Beseres Pollack J, Palmer T, Lebreton, B, Breaux N, Rubio K (2019) Stable isotope composition of organic matter, benthic macrofauna, and fish in Baffin Bay and Laguna Madre, Texas, from 2015-04-21 to 2017-08-11. Distributed by: Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC), Harte Research Institute, Texas A&M University-Corpus Christi. doi:10.7266/PJ139ZRD

Presentations

Beseres Pollack-mentored graduate student*; undergraduate student**

Invited

- Beseres Pollack J.** 2023. Oyster research, restoration, and support for resource management in Texas. Coastal Carolina University, Conway, SC.
- Beseres Pollack J.** 2023. U.S. Coast Guard Women's Panel. USCG Sector Corpus Christi, TX.
- Beseres Pollack J, Hale C, Wetz M, Yoskowitz D.** 2023. Bridging the gap between fisheries research and natural resource management. Texas Chapter of the American Fisheries Society Meeting. Corpus Christi, TX.
- Beseres Pollack J, Breaux N, Palmer T.** 2021. Importance of Serpulid reefs to the functioning of a hypersaline estuary. Laguna Madre Seminar: Towards a Binational Conservation Project Between Texas and Tamaulipas, Virtual.
- Beseres Pollack J, Sugla M*, Palmer T, Breaux N.** 2021. Raising the reef: updates on new and upcoming oyster reef restoration. Coastal Conservation Association Aransas Bay Meeting. Rockport, TX.
- Beseres Pollack J.** 2021. Oyster reef restoration and research in the Texas Coastal Bend. NOAA Restoration Center. Virtual.
- Beseres Pollack J, Breaux N.** 2021. Serpulid reef fauna of Baffin Bay. Texas SeaGrant. Corpus Christi, TX.
- Beseres Pollack J, Margo A*, Neffinger A*, Palmer TA, Breaux N.** 2020. Developing indices of biotic integrity (IBIs) for tidal streams along the Texas coast. Surface Water Quality Monitoring Annual Meeting, Texas Commission on Environmental Quality. Austin, TX.
- Beseres Pollack J.** 2020. Coastal conservation and habitat restoration: A Gulf of Mexico perspective. Stony Brook Southampton University, Southampton, NY.
- Beseres Pollack J.** 2020. Ecosystem services and benefits of created reefs. San Antonio Bay Partnership 10th Anniversary Conference, Victoria. TX.
- Beseres Pollack J.** 2019. Linking basic and applied ecology to provide recommendations for managing estuarine habitats. Coastal and Estuarine Research Federation, Mobile, AL.
- Beseres Pollack J.** 2018. Oyster shell recycling and reef restoration in TX. Texas Surf Museum, Corpus Christi, TX.
- Beseres Pollack J.** 2018. Oyster shell recycling and community-based habitat restoration in TX. South Texas Botanical Garden, Corpus Christi, TX.
- Beseres Pollack J.** 2018. Oyster reef restoration in TX. Texas Maritime Museum, Houston, TX.
- Beseres Pollack J.** 2017. Oyster reef restoration: rebuilding stocks and ecosystem functions. University of Southern Mississippi, Gulf Coast Research Lab, Ocean Springs, MS.
- Beseres Pollack J.** 2016. The importance of monitoring and data dissemination for advancing habitat restoration. Building Conservation Trust Oyster Summit, Baltimore, MD.
- Beseres Pollack J, La Peyre MG, Geiger S.** 2015. Monitoring metrics for Gulf of Mexico Oysters. Invited speaker at National Research Council / National Academy of Sciences Workshop on Effective Approaches for Monitoring and Assessing Gulf of Mexico Restoration Activities, New Orleans, LA.
- Beseres Pollack J, Montagna PA.** 2014. The importance of monitoring restoration. Gulf of Mexico Summit, Houston, TX.

Contributed

- Lavaud R, La Peyre M, Brown V, **Beseres Pollack J**, Couvillon B, Keim B. 2022. Using spatial and process-based modeling for oyster restoration under current and predicted future water quality conditions. South Central Climate Adaptation Science Center fall meeting. Virtual.
- Beseres Pollack J, Palmer T, Williams A*.** 2021. El Niño Southern Oscillation effects on a restored oyster reef: insights from medium-term monitoring. Coastal and Estuarine Research Federation, Virtual.
- Breaux N, Palmer T, Lebreton B, Avalos A**, Guillou G, **Beseres Pollack J.** 2021. Importance of Serpulid reefs in a hypersaline estuary. Coastal and Estuarine Research Federation, Virtual.
- Sugla M*, Breaux M, Palmer T, **Beseres Pollack J.** 2021. Comparing biodiversity of 'mound' versus 'flat' restored oyster reefs in Aransas Bay, Texas. Coastal and Estuarine Research Federation, Virtual.
- Neffinger L*, **Beseres Pollack J**, Palmer TA, Breaux NJ. 2021. Creation of an index of biotic integrity for tidal streams along the lower Texas coast. Coastal and Estuarine Research Federation, Virtual.

- Comba D*, **Beseres Pollack J.** 2021. ‘Greening’ oyster reef restoration: evaluating biodegradable alternatives to traditional plastic mesh bagging methods. Coastal and Estuarine Research Federation, Virtual.
- Outhwaite A*, **Beseres Pollack J.** 2021. What’s eating you? Communities and trophic interactions. Coastal and Estuarine Research Federation, Virtual.
- Gilmore J*, Breaux NJ, Palmer TA, **Beseres Pollack J.** 2021. Benthic prey availability and Black Drum emaciation events in Baffin Bay, TX. Coastal and Estuarine Research Federation, Virtual.
- Avalos A**, Breaux NJ, Palmer TA, **Beseres Pollack J.** 2021. Use of recruitment tiles to inform Serpulid worm reef restoration. Coastal and Estuarine Research Federation, Virtual.
- White D**, Comba D*, Breaux N, Sugla M*, Palmer T, **Beseres Pollack J.** 2021. Assessing the influence of temperature and light on the degradation of oyster bag materials. Coastal and Estuarine Research Federation, Virtual.
- West A, **Beseres Pollack J,** Wetz M. 2021. Toward transdisciplinary coastal management: a dose of optimism from Texas. Coastal and Estuarine Research Federation, Virtual.
- Beseres Pollack J,** Palmer T, Williams A*. 2021. Medium-term monitoring reveals effects of El Niño Southern Oscillation cycles on oyster reef restoration. Society for Ecological Restoration, Virtual.
- Broquet NC, Selwyn JD, Vaughan D, **Beseres Pollack J,** Siccardi AJ, Scarpa J. 2020. Applicability of the microfragmentation technique to propagate corals in a fisherfolk community in the Philippines. U.S. Aquaculture Society, Honolulu, HI.
- Margo A*, Palmer T, **Beseres Pollack J.** 2019. Development of a bioassessment protocol for tidal stream systems along the upper Texas coast. Coastal and Estuarine Research Federation, Mobile, AL.
- Martinez MJ*, Palmer T, Breaux N, **Beseres Pollack J.** 2019. Overcoming the odds: restoration of *Crassostrea virginica* reef in St. Charles Bay, TX. Coastal and Estuarine Research Federation, Mobile, AL.
- Martinez MJ*, Palmer T, Breaux N, **Beseres Pollack J.** 2019. Conservation and social science: rebuilding resilient habitat and community engagement. Coastal and Estuarine Research Federation, Mobile, AL.
- Chelikowsky DJ, Steppe CN, Kuehl J, Beseres Pollack J, Fox JM, Balboa WA, Ropicki AJ, Scarpa J. Examining in situ setting of oysters in a shallow Texas bay. World Aquaculture Society, New Orleans, LA.
- Villalon B**, Martinez MJ*, Palmer TA, **Beseres Pollack J.** 2018. Oyster reef restoration effects on estuarine productivity in St. Charles Bay, Texas. Benthic Ecology Meeting, Corpus Christi, TX.
- Chapa A**, Martinez MJ*, Palmer TA, **Beseres Pollack, J.** 2018. Oyster reef restoration effects on estuarine macrobenthos in St. Charles Bay, Texas. Benthic Ecology Meeting, Corpus Christi, TX.
- Beseres Pollack, J.** 2018. Lessons learned from a decade of oyster reef restoration in the Gulf of Mexico. Benthic Ecology Meeting, Corpus Christi, TX.
- Margo A*, Palmer TA, **Beseres Pollack J.** 2018. A Tidal Index of Biotic Integrity for the Texas Coast. Benthic Ecology Meeting, Corpus Christi, TX.
- Zimmermann D*, Withers K, **Beseres Pollack J.** 2018. Effects of extreme freshwater events and *Perkinsus marinus* on *Crassostrea virginica* stress response. Benthic Ecology Meeting, Corpus Christi, TX.
- Williams A*, Palmer TA, **Beseres Pollack J.** 2018. Estimating enhancement of faunal production resulting from oyster reef restoration. Benthic Ecology Meeting, Corpus Christi, TX.
- Breaux N, Palmer TA, Lebreton B, **Beseres Pollack J.** 2018. Serpulid Reef Communities as Critical Habitat for Invertebrate Prey Resources. Benthic Ecology Meeting, Corpus Christi, TX.
- Martinez MJ*, Palmer TA, **Beseres Pollack J.** 2018. The effects of a restored oyster reef (*Crassostrea virginica*) on estuarine nekton and infauna. Benthic Ecology Meeting, Corpus Christi, TX.
- Aguilar D*, Lebreton B, **Beseres Pollack J.** 2017. A spatial comparison of oyster isotope compositions and food resources along the Gulf coast. Coastal and Estuarine Research Federation. Providence, RI.
- Beseres Pollack, J.** 2018. Ten years of oyster reef restoration in the Gulf of Mexico. Coastal and Estuarine Research Federation. Providence, RI.
- Zimmermann D*, Withers K, **Beseres Pollack J.** 2017. Effects of extreme freshwater events and *Perkinsus marinus* on stress response in *Crassostrea virginica*. Coastal and Estuarine Research Federation. Providence, RI.
- Martinez MJ*, Palmer TA, **Beseres Pollack J.** 2017. Oyster Reef Restoration: Effects on Estuarine Macrobenthos. Coastal and Estuarine Research Federation. Providence, RI.
- Rezek R*, Lebreton B, Palmer TA, Stunz G, **Beseres Pollack J.** 2017. Functional equivalence of offshore platforms and “Rigs-to-Reefs” artificial reef communities in the Gulf of Mexico. Benthic Ecology Meeting, Conway, SC.

- Aguilar D*, DeSantiago K, Palmer, TA, **Beseres Pollack J.** 2017. Effect of restored reef age and salinity on oysters and fauna in Matagorda Bay, Texas. Benthic Ecology Meeting, Conway, SC.
- Breaux N*, Palmer TA, Lebreton B, **Beseres Pollack J.** 2017. Evaluating Effects of Extreme Salinity Change on a Benthic Predator. Benthic Ecology Meeting, Conway, SC.
- Beseres Pollack J,** Stunz GW, Ajemian M, Wetz M, Palmer T, Mendenhall K*, Breaux N*. 2016. Linking benthic food resources, water quality, and Black Drum in Baffin Bay, TX. Texas Bays and Estuaries Meeting, Port Aransas, TX.
- White E**, Rezek R*, **Beseres Pollack J.** 2016. Monitoring faunal community development in restored saltmarsh (*Spartina alterniflora*) habitat. Texas Bays and Estuaries Meeting, Port Aransas, TX.
- Savage K*, Palmer TA, Montagna PA, **Beseres Pollack J.** 2016. Relating freshwater inflow to oyster disease dynamics in Texas bays. Texas Bays and Estuaries Meeting, Port Aransas, TX.
- Rodriguez MC*, **Beseres Pollack J,** Palmer TA, Tunnell W. 2016. Dermo disease dynamics in the eastern oyster *Crassostrea virginica* throughout the Mission-Aransas estuarine system in South Texas. Texas Bays and Estuaries Meeting, Port Aransas, TX.
- Breaux N*, Palmer TA, Lebreton B, **Beseres Pollack J.** 2016. Evaluating Ecosystem Resilience Following a Salinity Disturbance in Baffin Bay, TX. Texas Bays and Estuaries Meeting, Port Aransas, TX.
- Rodriguez MC*, **Beseres Pollack J,** Palmer TA, Tunnell W. 2016. Prevalence of *Perkinsus marinus* (Dermo) in the eastern oyster *Crassostrea virginica* throughout the Mission-Aransas Estuary. Benthic Ecology Meeting, Portland, ME.
- Rezek R*, Lebreton B, **Beseres Pollack J.** 2016. Habitat function in a natural vs. restored *Spartina alterniflora* salt marsh. Benthic Ecology Meeting, Portland, ME.
- Savage K*, Palmer TA, Montagna PA, **Beseres Pollack J.** 2016. A freshwater inflow model for the conservation of Texas oyster reefs. Benthic Ecology Meeting, Portland, ME.
- Breaux N*, Palmer TA, Lebreton B, **Beseres Pollack J.** 2016. Ecosystem resilience following a salinity disturbance in a hypersaline estuary. Benthic Ecology Meeting, Portland, ME.
- De Santiago K*, Palmer TA, **Beseres Pollack J.** 2016. Development of oyster reef communities following the restoration of reef habitat in Matagorda Bay, Texas. Benthic Ecology Meeting, Portland, ME.
- Ajemian, MJ, Mendenhall K*, **Beseres Pollack J,** Wetz M, Stunz GW. 2016. Benthic Ecology Meeting, Portland, ME.
- De Santiago K*, **Beseres Pollack J,** Palmer T. 2015. Development of oyster reef communities following the restoration of reef habitat in Matagorda Bay, Texas. Texas Bays and Estuaries Meeting. Port Aransas, TX.
- Graham P*, **Beseres Pollack J,** Palmer T. 2015. Alternative substrates for oyster reef restoration. Texas Bays and Estuaries Meeting. Port Aransas, TX.
- Mendenhall K*, **Beseres Pollack J,** Ajemian M, Stunz G, Palmer T. 2015. Trophic relationships between Black Drum (*P. cromis*) and benthic food resources in Baffin Bay, TX: an evaluation using multiple approaches. Texas Bays and Estuaries Meeting. Port Aransas, TX.
- White E**, Rezek R*, **Beseres Pollack J.** 2015. Monitoring community development in a restored *Spartina alterniflora* salt marsh. Texas Bays and Estuaries Meeting. Port Aransas, TX.
- Haskins T**, De Santiago K*, **Beseres Pollack J.** 2015. New reef, new refuge: A preliminary study of alternative substrate use by fishes and macroinvertebrates on Half Moon Reef, Matagorda Bay. Texas Bays and Estuaries Meeting. Port Aransas, TX.
- Blomberg B*, **Beseres Pollack J,** Montagna P, Palmer T, Lebreton B. 2015. Evaluating functional success of a restored oyster reef through a variety of metrics. Benthic Ecology Meeting. Quebec., Canada.
- Rezek R*, **Beseres Pollack J,** Lebreton B. 2015. Monitoring Functional Recovery of a Restored Oyster Reef: a population ecology and food web approach. Benthic Ecology Meeting. Quebec., Canada.
- Graham P*, **Beseres Pollack J,** Palmer T. 2015. Assessing the habitat value of alternative substrates for oyster reef restoration. Benthic Ecology Meeting. Quebec., Canada.
- Mendenhall K*, **Beseres Pollack J,** Ajemian M, Stunz G, Palmer T. 2015. Evaluating trophic relationships between Black Drum populations and benthic resources in Baffin Bay, TX. Benthic Ecology Meeting. Quebec, Canada.
- Rezek R*, **Beseres Pollack J,** Lebreton B 2014. Incorporating trophic analysis into habitat assessment of a restored oyster reef. International Conference for Shellfish Restoration, Charleston, SC.
- De Santiago K*, **Beseres Pollack J,** Palmer T. 2014. Enhancement of fish and macroinvertebrate production resulting from the restoration of oyster reef habitat in Matagorda Bay, Texas. Gulf and Estuarine Research Federation Conference, Port Aransas, TX.

- Graham P*, **Beseres Pollack J**, Palmer T. 2014. Assessing the habitat value of alternative substrates for oyster reef restoration. Gulf and Estuarine Research Federation Conference, Port Aransas, TX.
- Mendenhall K*, **Beseres Pollack J**, Ajemian M, Stunz G, Palmer T. 2014. Characterizing the benthic food resources and habitat utilization of black drum in Baffin Bay, TX. Texas Chapter of the American Fisheries Society. Tyler, TX.
- Blomberg B*, **Beseres Pollack J**, Montagna P. 2014. Comparative analysis of trends in oyster reef restoration effort and funding in Atlantic and Gulf of Mexico ecoregions of the U.S. Texas Bays and Estuaries Meeting, Port Aransas, TX.
- Blomberg BN*, Montagna PA, Yoskowitz D, **Beseres Pollack J**. 2014. Emergy analysis of nutrient regulating ecosystem services provided by oyster reefs. Emergy Research Conference, Gainesville, FL.
- Nevins JA*, **Beseres Pollack J**, Stunz GW. 2013. Characterizing the Pristine Oyster Reef Community of Sabine Lake Estuary Relative to Surrounding Marsh Edge and Non-Vegetated Bottom Habitats. Coastal and Estuarine Research Federation Conference, San Diego, CA.
- De Santiago K**, **Beseres Pollack J**, Palmer TA, Wetz M. 2013. Response of macrobenthic communities to varying land uses in Oso Bay, Corpus Christi, Texas. Coastal and Estuarine Research Federation Conference, San Diego, CA.
- Beseres Pollack J**, Froeschke J. 2013. Influence of environmental variables on Eastern oyster populations. Coastal and Estuarine Research Federation Conference, San Diego, CA.
- Beseres Pollack J**, Cleveland A**, Palmer TA, Reisinger AS, Montagna PA. 2013. A Restoration Suitability Index model for the eastern oyster (*Crassostrea virginica*). Benthic Ecology Meeting, Savannah, GA.
- Blomberg BN*, **Beseres Pollack J**, Montagna PA. 2013. Restoration of oyster reef habitat in South Texas: year one. Benthic Ecology Meeting, Savannah, GA.
- George LM*, **Beseres Pollack J**, Smee DL, Montagna PA. 2013. Comparative Habitat Functions of Alternative Substrates Used for Oyster Reef Restoration in St. Charles Bay, Texas. Benthic Ecology Meeting, Savannah, GA.
- Nevins JA*, **Beseres Pollack J**, Stunz GW. 2013. Characterizing the Pristine Oyster Reef Community of Sabine Lake Estuary Relative to Surrounding Marsh Edge and Non-Vegetated Bottom Habitats. Benthic Ecology Meeting, Savannah, GA.
- Sokoly D**, **Beseres Pollack J**, Wetz M. 2013. Relationships between land use, water quality and benthic community structure and abundance in Oso Bay (Corpus Christi, Texas). Benthic Ecology Meeting, Savannah, GA.
- Beseres Pollack J**, Ray SM, Lebreton B, Blomberg B*, Rikard S. 2012. Patchiness of Dermo (*Perkinsus marinus*) disease foci in the Aransas-Copano, Texas Estuarine System. National Shellfisheries Association. Seattle, WA.
- Ray SM, **Beseres Pollack J**, Culbertson J, Kalke R. 2012. Texas' 2011 bumper oyster set jeopardized by prolonged drought. National Shellfisheries Association. Seattle, WA.
- Lingenfelter BA*, Crockett J, Moeckel J*, Lawrence AL, Patnaik S, **Beseres Pollack J**. 2012. Shallow water super-intensive stacked raceways for indoor production of *Litopenaeus vannamei*. Aquaculture America. Las Vegas, NV.
- Lingenfelter BA*, Crockett J, Moeckel J*, Kramer K, Steimle E, Flanery W, Lawrence AL, **Beseres Pollack J**, Patnaik S. 2012. Larcos counter vs. traditional methods for determining survival in stacked raceways for indoor shrimp production. Aquaculture America. Las Vegas, NV.
- Moeckel J*, Lingenfelter BA*, Crockett J, Lawrence AL, Patnaik S, **Beseres Pollack J**. 2012. Dietary protein requirement for juvenile shrimp production from 10 day-old PL in biofloc vs. no biofloc systems. Aquaculture America. Las Vegas, NV.
- Moeckel J*, Lingenfelter BA*, Crockett J, Lawrence AL, Patnaik S, **Beseres Pollack J**. 2012. Production optimization for juvenile *Litopenaeus vannamei* in shallow water systems using zero water exchange. Aquaculture America. Las Vegas, NV.
- Rodriguez MC**, Blomberg BN*, **Beseres Pollack J**. 2012. A preliminary analysis of oyster settlement on a restored oyster reef. Texas Bays and Estuaries. Port Aransas, TX.
- Beseres Pollack J**, Lebreton B, Blomberg B*, Montagna P. 2012. Do benthic microalgae have a role as a food resource for oysters in a Texas estuary? Consequences for oyster reef restoration. Benthic Ecology Meeting. Norfolk, VA.

- Blomberg B*, Francis J, Hutchison L, **Beseres Pollack J**, Montagna P, Yoskowitz D. 2012. A conceptual framework for linking ecosystem services to an oyster reef emergy model. Benthic Ecology Meeting. Norfolk, VA.
- George LM*, Blomberg B*, Nevins J*, **Beseres Pollack, J**. 2012. Relative habitat value of alternative substrates for oyster reef restoration in St. Charles Bay, Texas. Benthic Ecology Meeting. Norfolk, VA.
- Nevins J*, Robillard Megan, Williams J, Stunz G, **Beseres Pollack, J**. 2012. Characterizing the oyster reef community of Sabine Lake: a before-after-control-impact study. Benthic Ecology Meeting. Norfolk, VA.
- Mattson RA, Montagna P, Palmer TA, **Beseres Pollack J**. 2012. Responses of estuarine benthic macroinvertebrate communities to changing river flows in the St. Johns River Estuary, FL, USA. INTECOL International Wetlands Conference. Orlando, FL.
- Beseres Pollack, J**, Cleveland, A**, and Montagna, PA. 2011. Using spatial analysis to identify and prioritize locations for oyster reef restoration in Texas. Texas Bays and Estuaries. Port Aransas, TX.
- Beseres Pollack, J**, Cleveland, A**, and Montagna, PA. 2011. Identifying suitable locations for oyster reef restoration in Texas. Benthic Ecology Meeting. Mobile, AL.
- Beseres Pollack J**, Froeschke J. 2010. Influence of environmental and climatic variables on eastern oyster abundance and *Perkinsus marinus* (Dermo) disease. Coastal and Estuarine Research Federation. Portland, OR.
- Beseres Pollack, J**, Yoskowitz, D, Montagna, PA, Stunz, GW. 2010. Ecosystem services of oyster reefs. Restore America's Estuaries. Galveston, TX.
- Fisher, M., Kim, H-C, and **Beseres Pollack, J**. 2009. Effects of climatic variability and commercial fishing on oyster populations in a south Texas estuary. National Shellfisheries Association. Savannah, GA.
- Beseres Pollack, J**, and Montagna, PA. 2009. Variability in salinity and temperature drive benthic community structure in the Lavaca-Colorado Estuary, Texas, USA. Coastal and Estuarine Research Federation. Portland, OR.
- Kim, H-C, **Beseres Pollack, J**, and Montagna, PA. 2009. Parameterization of oyster filtration rates as a function of environmental stressors in the Mission Aransas Estuary, Texas. Benthic Ecology Meeting. Corpus Christi, TX.
- Morgan, EK**, **Beseres Pollack, J**, and Montagna, PA. 2008. Relationship between sex ratio and shell length of oysters (*Crassostrea virginica*) in Texas bays. Texas Academy of Sciences. Corpus Christi, TX.
- Montagna, PA and **Beseres Pollack, J**. 2008. Development of the freshwater inflow biotic index (FIBI). Benthic Ecology Meeting. Providence, RI.
- Beseres Pollack, J**, Ray, S and Montagna, PA. 2008. Unexpected sex ratios in *C. virginica* populations in Texas bays. National Shellfisheries Association. Providence, RI.
- Beseres Pollack, J** and Montagna, PA. 2007. Using oysters as bioindicators of freshwater inflow effects. Estuarine Research Federation. Providence, RI,
- Beseres, JJ**, Buzzelli, CP, and Feller, RJ. 2007. Modeling white shrimp consumption of macrobenthos. Benthic Ecology Meeting. Atlanta, GA.
- Beseres, JJ**, and Feller, RJ. 2006. Predation by juvenile white shrimp: using a lab-derived functional response relationship to estimate impacts on natural macrobenthic communities. Benthic Ecology Meeting, Quebec, Canada.
- Beseres JJ**, and Feller RJ. 2005. Does shrimp predation affect spatial distribution of macrobenthos? Estuarine Research Federation. Norfolk, VA.
- Beseres JJ**, and Feller RJ. 2005. Top-down control of benthic macrofauna in subtidal creek sediments. Benthic Ecology Meeting. Williamsburg, VA.
- Beseres JJ**, and Feller RJ. 2005. Impact of juvenile white shrimp on benthic macrofaunal abundances: reduction by predation, disturbance or emigration? Southeastern Estuarine Research Society. Charleston, SC.
- Beseres JJ**, and Feller RJ. 2004. Potential impacts on subtidal macrobenthos by juvenile white shrimp, *Litopenaeus setiferus*. American Society of Limnology and Oceanography. Savannah, GA.
- Beseres JJ**, and Feller RJ. 2004. Impact of juvenile white shrimp, *Litopenaeus setiferus*, predation on macrobenthos in subtidal estuarine creeks. Southeastern Estuarine Research Society. Fort Pierce, FL.
- Beseres JJ**, and Feller RJ. 2004. Juvenile white shrimp, *Litopenaeus setiferus*, potential reduction of macrobenthos abundance in southeastern U.S. salt marshes. Benthic Ecology Meeting. Mobile, AL.
- Beseres JJ**, and Feller RJ. 2003. Regulation of macrobenthos by juvenile white shrimp, *Litopenaeus setiferus*, in Southeastern U.S. salt marshes. National Estuarine Research Reserve System Annual Meeting. Charleston, SC.

- Beseres JJ**, and Feller RJ. 2002. Pacific white shrimp (*Litopenaeus vannamei*) gut passage time as a function of feed quality: comparing field versus laboratory. Southeastern Estuarine Research Society. Savannah, GA.
- Beseres JJ**, and Feller RJ. 2002. Gut passage times in penaeid shrimp: differences between field and laboratory measurements and relevance to aquaculture. Benthic Ecology Meeting. Orlando FL.

Thesis and Dissertation

- 2002-2006 Ph.D. Dissertation: The impact of predation by juvenile white shrimp, *Litopenaeus setiferus*, on benthic macrofaunal abundances in subtidal creeks deduced from field, laboratory and modeling studies
- 2000-2002 M.S. Thesis: Field and laboratory gut passage times of penaeid shrimp (*Litopenaeus setiferus*, *L. vannamei* and *Farfantepenaeus aztecus*) using experimental aquaculture feeds

Collaborators (past 48 months)

Acton, Leslie (U. Southern Mississippi); Ajemian, Matthew (FL Atlantic U.); Anderson, Joel (TX Parks and Wildlife Dept.); Besonen, Mark (Texas A&M U. Corpus Christi); Bright, Candace (East Tennessee State U.); Clarkson, Emma (TX Parks and Wildlife Dept.); DeSantiago, Kevin (TX Water Development Board); Emrich, Chris (U. Central Florida); Fertig, Ben (Irvine Nature Center); Alison Fitzgerald (New Jersey City U.); Fitzsimmons-Doolan, Shannon (TX A&M U. Corpus Christi); Fox, Joe (Texas A&M U. Corpus Christi); Garza, Corey (California State U. Monterey Bay); Gibeaut, Jim (Texas A&M U. Corpus Christi); Grabowski, Jon (Northeastern U.); Grayson, Treda (EPA); Hajovsky, Polly (TX Parks and Wildlife Dept.); Harris, Lora (U. Maryland); Hofmann, Eileen (Old Dominion U.); Hutch-Williams, Lauren (The Nature Conservancy); Kelly, Morgan (Louisiana State U.); Kim, Hae-Cheol (NOAA); Klein, Andrew (TX A&M U.); Klinck, John (Old Dominion U.); La Peyre, Jerome (Louisiana State U.); La Peyre, Megan (Louisiana State U.); Lebreton, Benoit (U. La Rochelle, France); Lewis, Kristy (U. Central Florida); Marshall, Danielle (OR Dept. Agriculture); McCollough, Cherie (Texas A&M U. Corpus Christi); Montagna, Paul (Texas A&M U. Corpus Christi); Neckles, Hillary (USGS); Nelson, James (U. Louisiana-Lafayette); Oborny, Ed (BioWest); Palinkas, Cindy (U. Maryland); Park, Susan (Coastal and Estuarine Research Federation); Powell, Eric (U. Southern Mississippi); Quispe, Johnny (Rutgers U.); Ramenzoni, Victoria (Rutgers U.); Roark, E Brendan (Texas A&M U.); Shamberger, Kathryn (Texas A&M U.); Stunz, Greg (Texas A&M U. Corpus Christi); Sturmer, Leslie (U. Florida); Talley, Drew (U. San Diego); Vaudrey, Jamie (U. Connecticut); Wade, Terry (TX A&M U.); Walton, William (VIMS); Wetz, Michael (Texas A&M U. Corpus Christi); Whitcraft, Christine (California State University Long Beach); Wilson-Grimes, Kristin (U. Virgin Islands); Xu, Wei (Texas A&M U. Corpus Christi); Yoskowitz, David (Texas A&M U. Corpus Christi)

Advisors

Montagna, Paul (Postdoctoral advisor, Harte Research Institute, Texas A&M U. Corpus Christi)

Feller, Robert (M.S. and Ph.D. advisor, University of South Carolina)

Journal and grant reviewer

Ambio
Aquatic Conservation
Ecological Applications
Ecological Engineering
Environmental Management
Estuaries and Coasts
Estuarine, Coastal and Shelf Science
Fishery Bulletin
Frontiers in Ecology and the Environment

Global Change Biology
Journal of Shellfish Research
Marine and Coastal Fisheries
Marine Biology
Marine Ecology Progress Series
Marine Environmental Research
Marine Policy
Maryland Sea Grant
National Estuarine Research Reserve System
North Carolina Sea Grant
NSF Ocean Acidification
Ocean and Coastal Management
PLOS ONE
Restoration Ecology
Wetlands Ecology and Management

Teaching Experience

Graduate Courses

Marine Restoration Ecology - Texas A&M University-Corpus Christi
Mariculture - Texas A&M University-Corpus Christi
Marine Ecology - Texas A&M University-Corpus Christi
Marine Biology Seminar - Texas A&M University-Corpus Christi
Earth Systems Science - Coastal Carolina University, Conway, SC

Undergraduate Courses

Marine Ecology - Texas A&M University-Corpus Christi

Research-Related Courses (Graduate)

Project Research (BIOL 5940)

Professional Training Programs (participant)

2021 COMPASS Policy Communication Training, Harte Research Institute, TX
2021 Nurturing Equitable Exchange Among Geoscientists & Communities Discussion Series, NSF- GEO Opportunities for Leadership in Diversity (GOLD) Program. Virtual.
2021 Bystander Intervention Training, Stand Up Against Street Harassment, Hollaback Program. Virtual.
2021 Conflict De-escalation Training, Hollaback Program. Virtual.
2020 Cultural Competency & Inclusion Training Certificate, Florida-Caribbean Louis Stokes Regional Center of Excellence. Virtual.
2020 Diversity, Equity and Inclusion (DEI) in Marine Science Education Ally Training, Florida Marine Science Educators Association. Virtual.
2019 Out in the Open: Identifying, Understanding, and Addressing Implicit Bias, Facilitators: Dr. Treda Grayson and Dr. Franklin Trimm, CERF Conference, Mobile, AB.
2019 COMPASS Science Communication Training, Harte Research Institute, TX

Graduate Students Supervised

Doctor of Philosophy

2022-present	Kelley Savage	Ongoing
2020-present	Alyssa Outhwaite	Ongoing
2020-2023	Anthony Lima	Coastal and Marine System Science Program <i>“Development of Comparative Indices, Ecosystem Service Values, and Scenario Models to Support Decision Making in the Texas Oyster Mariculture Industry”</i>
2018-2021	Terry Palmer	Coastal and Marine System Science Program, <i>“Effects of contamination from Antarctic research stations on marine benthic fauna”</i>
2015-2021	Emma Clarkson	Marine Biology Program, <i>“A hierarchical approach to incorporating habitat assessment into an existing fisheries monitoring framework”</i>
2012-2017	Ryan Rezek	Coastal and Marine System Science Program, <i>“Ecological structure and function of restored habitats across a range of coastal environments”</i>
2009-2015	Brittany Blomberg (co-supervised w/ P. Montagna)	Coastal and Marine System Science Program, <i>“Evaluating success of oyster reef restoration”</i>

Master of Science

2023-present	Zahra Hasan	Ongoing
2023-present	Isabel Nykamp	Ongoing
2023-present	Melanie Ponce	Ongoing
2021-present	Neina Chapa	Ongoing
2021-2023	Kit Wheat	Graduated summer 2023
2021-2023	Jennifer Gilmore	Ongoing summer 2023
2020-2022	Monisha Sugla	Graduated fall 2022
2020-2022	Alexis Neffinger	Graduated spring 2022
2019-2021	Devin Comba	Graduated fall 2021
2017-2020	Abe Margo	Graduated spring 2020
2017-2019	Meghan Martinez	Graduated fall 2019
2017-2019	Abby Williams	Graduated spring 2019
2016-2018	Danielle Zimmermann	Graduated summer 2018
2016-2017	Danielle Aguilar	Graduated fall 2017
2015-2017	Natasha Johnson Breaux	Graduated summer 2017
2015-2017	Kelley Savage	Graduated spring 2017
2014-2016	Maria Rodriguez	Graduated spring 2016
2014-2016	Kevin De Santiago	Graduated spring 2016
2013-2015	Kathryn Mendenhall	Graduated fall 2015
2013-2015	Patrick Graham	Graduated fall 2015
2011-2013	Lindsey George	Graduated summer 2013
2011-2013	Jaimie Nevins	Graduated summer 2013

Mentoring Programs

2017-present	NOAA Center for Coastal and Marine Ecosystems (CCME)
2011-present	Louis Stokes Alliance for Minority Participation (LSAMP)
2012-2015	STEM Outreach, Access, and Retention (SOAR) Program
2011-2015	Texas A&M University-Corpus Christi ELITE Graduate Program

2011-2013 National Science Foundation Summer Undergraduate Research Focus (SURF)
2009-2011 McNair Scholars Program
2003 South Carolina Teacher Quality Collaborative

Undergraduate Research Project Mentor (Independent Studies)

2023-present Kalie Tovar – Organic matter content around and within an oyster reef
2023 Lily Tubbs- Characterizing Benthic Invertebrate Communities on Eroding Texas Beaches
2020-2022 Daphne White – Effects of temperature and light on restoration substrate degradation
2019-2022 Abbey Schulz – Effects of grazing on degradation of restoration materials
2019-2022 Auria Avalos – Assessment of Serpulid worm reefs in Baffin Bay
2018-2019 Desiree Corbiere – Effects of tidal stream health on nekton size
2017-2019 Brianna Villalon - Oyster reef restoration effects on estuarine productivity in St. Charles Bay, Texas
2019 Jeremy McCollough – Benthic community composition in tidal streams
2017-2018 Adriana Chapa - Oyster reef restoration effects on estuarine macrobenthos in St. Charles Bay, Texas
2014-2016 Eric White – Community development in a restored *Spartina alterniflora* marsh
2015 Taylor Haskins – Faunal community dynamics on Half Moon Reef
2013 Kevin De Santiago – Comparing macrobenthic communities along a water quality and land-use gradient
2013-2014 Paige Uehling (Bucknell University) – Measuring toxicity of oyster tissues and sediments in Texas estuaries
2012-2013 Diana Sokoly – Comparing macrobenthic communities along a water quality and land-use gradient
2012-2013 Erika Diaz - Oyster reef community development on a small educational reef
2011-2013 Maria Rodriguez - Preliminary analysis of settlement on a restored oyster reef
2012 Aaron Cohen - Habitat suitability of alternative reef substrates for fishes and macroinvertebrates
2011 James Muela - Evaluating oyster reef protection policies in Texas and Louisiana
2009 Elani Morgan - Relationship between sex ratio and shell length of oysters (*Crassostrea virginica*) in Texas bays

Teaching Assistantships

2000-2003 Processes in the Marine Environment - University of South Carolina
2000-2003 Oceans and Man - University of South Carolina

College/University Service

2023-present Chair, Harte Research Institute Socio Economics Committee
2023 Chair, Life Science Department Chair search
2023 Chair, Life Science Department Promotion and Tenure Committee
2011-present TAMUCC Center for Coastal Studies Scholarship Committee Member
2021-present College of Science and Engineering Emeritus Committee
2017-2023 Intercollegiate Athletic Advisory Committee, TAMU-CC
2015-2023 Marine Science Graduate Student Organization Faculty Advisor
2022-2023 Doctoral Examiner, The University of Auckland, New Zealand
2022-2023 University Research Equipment and Infrastructure Review Panel
2022-2023 College of Science Ruth A. Campbell Professorship Selection Committee

2021-2022 Fisheries and Mariculture Program Search Committee
 2022 College of Science Wes Tunnell Distinguished Lecturers Selection Committee
 2021-present Marine Biology Program Graduate Advisory Committee (GRAC) Member
 2020-present Graduate Faculty Representative (GFR) for Doctor of Nursing Practice (DNP)
 2019-2021 Marine Biology IDP Executive Committee Member
 2019-2020 HRI Executive Director Search Committee
 2019-2020 HRI Biodiversity and Conservation Chair Search Committee
 2016-2019 TAMUCC Third Coast Science for You Faculty Advisor
 2019 Life Science Department Chair Search Committee
 2018-2019 Chancellor's Research Initiative Faculty Search Committee
 2018-2019 Marine Biology Faculty Search Committee
 2017-2019 Marine Biology Graduate Program Coordinator
 2017 TAMU-CC President Search Committee
 2016-2017 College of Science & Engineering Research Enhancement Committee
 2016 Marine Biology Graduate Program, Curriculum Committee, TAMU-CC
 2016 College of Science and Engineering Operations Supervisor Search Committee
 2016 Invited speaker, LSAMP Student Research Symposium, TAMU-CC
 2015 Judge, Annual TAMUS Pathways Student Research Symposium
 2015 Chair, Marine Fisheries Early Life History Faculty Search Committee
 2015 College of Science and Engineering Grants Coordinator Search Committee
 2015 College of Science and Engineering Business Coordinator Search Committee
 2014 Judge, Graduate Scholarly Works Symposium, TAMU-CC
 2014 Representative, Fisheries and Mariculture program, Graduate Studies Open House, TAMU-CC
 2013-2014 Marine Fisheries Science Faculty Search Committee- TAMU-CC
 2013-2014 Fisheries and Mariculture Program website development - TAMU-CC
 2013 Representative, Fisheries and Mariculture program, Society for the Advancement of Chicanos and Native Americans in Science Meeting
 2013 Representative, Fisheries and Mariculture program, Graduate Studies Open House, TAMU-CC
 2012-2013 College of Science and Engineering Awards Committee – TAMU-CC
 2011-2013 Student Advisor, Louis Stokes Alliance for Minority Participation
 2012 Chair, Fisheries Biodiversity Faculty Search Committee – TAMU-CC
 2012 Invited Speaker – TAMU-CC Employee Development Day
 2012 Representative, Fisheries and Mariculture program, Graduate Studies Open House, TAMU-CC
 2012 Representative, Fisheries and Mariculture program, World Aquaculture Society Meeting
 2011-2014 Department of Life Sciences - Graduate Program Committee
 2011-2013 College of Science & Engineering Distinguished Speaker Series, TAMU-CC
 2011-2015 Coordinator, Graduate Fisheries and Mariculture Program and Peace Corps Master's International Program
 2011-2014 Life Sciences Department, FAMA/MARB, Library Liaison
 2011 Representative, Fisheries and Mariculture program, Society for the Advancement of Chicanos and Native Americans in Science Meeting
 2011 Representative, Fisheries and Mariculture program, Graduate Studies Open House, TAMU-CC
 2011 Coral Reef Ecologist Search Committee – TAMU-CC
 2011 Representative, Fisheries and Mariculture program, Aquaculture America Meeting
 2011 Judge, Sigma Xi Undergraduate Research Symposium, TAMU-CC
 2011 Graduate Studies Open House – TAMU-CC

2011 Representative, Fisheries and Mariculture program, Island Days, TAMU-CC
 2009 Invited Speaker - McNair Scholar Program
 2008 Invited Speaker – TAMU-CC Employee Development Day

Professional/Community Service

2023-present RESTORE Mississippi-Alabama Center of Excellence External Advisory Group
 2022-present Texas Parks and Wildlife Coastal Resource Advisory Group
 2022-present Texas Parks and Wildlife Oyster Regulations Working Group
 2022-present Texas Parks and Wildlife Oyster Restoration Working Group
 2022-present Coastal & Estuarine Research Federation Publications Co-Chair
 2020-present Coastal & Estuarine Research Federation Broadening Participation Council
 2016-present Technical Advisory Committee, Texas Coastal Resiliency Master Plan, Texas General Land Office

 2011-present Coastal Bend Bays and Estuaries Habitat and Living Resource Advisory Team
 2010-present Coordinator, community oyster reef restoration events, Goose Island State Park
 2019-2023 Coastal & Estuarine Research Federation Governing Board Member
 2019-2023 Chief Editor for Environmental Science, *Experimental Results* journal
 2020-2022 Corpus Christi Independent School District Advisory Team Member
 2019-2021 Coastal and Estuarine Science News (CESN) Board Member
 2011-2020 Student mentor, Foy H. Moody High School
 2019 Texas Oyster Task Force Appointee, Representative Todd Hunter
 2018 NOAA Coastal Hypoxia Program Review Panel
 2017-2019 Scientific Program Committee Co-Chair, Coastal & Estuarine Research Federation Meeting, Mobile, AB

 2017-2018 Co-coordinator, Benthic Ecology Meeting, Corpus Christi, TX
 2016 Co-session convener, Restore America’s Estuaries. “Understanding eastern oyster reef dynamics for improved restoration and management” (With M. La Peyre)
 2016 Scientist, UTMSI Summer Science Program, oyster ecology for 3rd and 4th graders
 2011-2018 City of Corpus Christi Watershore and Beach Advisory Committee
 2011-2018 Invited speaker, Windsor Park Elementary School
 2013-2018 Member, Board of Trustees, Montessori School of Corpus Christi
 2014-2018 Volunteer Science Reviewer, Gulf Coast Ecosystem Restoration Council (RESTORE)
 2015 Co-session convener, Coastal and Estuarine Research Federation. “Evaluating restoration success: ecology, economy, and society” (with M. La Peyre, J. Grabowski, D. Yoskowitz)

 2015 Science Instructor, UTMSI Summer Science Program
 2015 Guest lecturer, Semester by the Sea, University of Texas Marine Science Institute
 2012-2015 Trustee, Coastal Bend Bays Foundation
 2014 Invited Speaker, Young Business Professionals of the Coastal Bend Ideas Week
 2014 Scientist, Teachers on the Estuary summer program, University of Texas Marine Science Institute and Mission Aransas National Estuarine Research Reserve

 2013 Judge, Student Presentations, Benthic Ecology Meeting, Savannah GA
 2013 Invited Speaker, City of Corpus Christi Trash Summit. April 4, 2013.
 2011 Session Co-Chair (w/ Paul Montagna, Denise Sanger – South Carolina Sea Grant, and Erik Smith - University of South Carolina), Coastal & Estuarine Research Federation Meeting, Daytona Beach, FL

 2011 Judge, Student Presentations, Coastal & Estuarine Research Federation Meeting, Daytona Beach, FL

 2009 Co-coordinator, Benthic Ecology Meeting, Corpus Christi, TX
 2008 Science Fair Judge, Coastal Bend Science Fair, Corpus Christi, TX

2005-2006 Official, National Ocean Science Bowl, Columbia, SC
2003 Science Consultant, South Carolina Teacher Quality Collaborative
2000-2003 Environmental Workshop Instructor, Leadership South Carolina

Awards

2019 Corpus Christi Independent School District iAchieve Partners in Education Service Learning for Achievement Award
2017 Conservation Environmental Stewardship Award, Coastal Bend Bays Foundation
2016 Outstanding Fisheries Worker Award, American Fisheries Society, Texas Chapter
2015 Outstanding Doctoral Mentor Nominee, College of Science and Engineering, TAMU-CC
2015 Finalist, Texas Environmental Excellence Award, Texas Commission on Environmental Quality
2014 Featured faculty member for “Why I Teach” Series, TAMU-CC
2014 Finalist, Texas Environmental Excellence Award, Texas Commission on Environmental Quality
2012 Coastal Conservation Association Texas, Private/Public Partnership Conservation Award
2012 South Texas Alliance for Recycling, “Closing the Loop” Award
2012 Corpus Christi Independent School District iAchieve Partners in Education Service Learning for Achievement Award
2012 Outstanding Islander, Texas A&M University-Corpus Christi
2006 Best Marine Science Paper, Graduate Association of Biological Sciences Retreat
2005 Estuarine Research Federation, Top-50 Student Presentation
2004 Southeastern Estuarine Research Society, Best Student Oral Presentation
2004 University of South Carolina Graduate Student Day, First Place Oral Presentation
2000-2003 University of South Carolina Dean’s Scholarship
2002 South Carolina Wildlife Federation Scurry Scholarship
2002 University of South Carolina Travel Award

Professional Organizations

2015-present Society for the Advancement of Chicanos and Native Americans in Science
2005-present Association for Women in Science
2003-present Coastal and Estuarine Research Federation

Media coverage

2023 Mike Snyder. “Sink Your Shucks.” Texas Country Reporter. December 1, 2023.
2023 Cynthia Drake, Texas Highways. “Restoring Gulf Coast Barrier Reefs One Oyster Shell at a Time.” September 19, 2023.
2023 Melissa Gaskill, Texas Highways. “Shell Game: Debunking the Myths Surrounding Gulf Oysters.” September 5, 2023.
2023 Olivia Garrett, Corpus Christi Caller Times. “Harte Research Institute eyes new waters after St. Charles Bay oyster restorations.” September 1, 2023.
2023 “Reconstruction efforts aim to restore oyster reefs.” Rockport Pilot. August 30, 2023
2023 “Mission Critical SpaceX Research.” Texas A&M University-Corpus Christi, Research and Innovation Annual Report 2023.

- 2023 Kelley Savage, Natasha Breaux, Jennifer Beseres Pollack. Texas Wildlife Magazine. "Exploring the carbon sequestration potential of Texas oyster reefs." August 2023. "
- 2022 Jennifer Beseres Pollack, Tide Magazine. "A case for conserving oyster reefs." April/May 2022.
- 2022 Delger Erdenesanaa, The Texas Observer. "A last stand for Texas oyster fishers." March 2022.
- 2022 Jennifer Beseres Pollack, Texas Saltwater Fishing Magazine. "A case for conserving oyster reefs." March 2022.
- 2022 David Brown, The Texas Standard. "Why Texas officials closed these oyster reefs indefinitely." February 2022.
- 2022 David Todd, Texas Conservation History Association. Texas Legacy Project Oral History Recording. February 2022.
- 2021 Nate Skinner, Magazine of the Texas Wildlife Association. "Bright future for Texas oysters." July 2021.
- 2021 Corpus Christi Caller Times. "GCGV, Harte Institute team up for oyster restoration project." April 2021.
- 2020 Kirby Tello, The Bend Magazine. "Green conversations: mothers of pearl." September 2020.
- 2020 Sara Carney, Texas Shores Magazine. "Hungry for answers: Why where black drum starving in Baffin Bay?" Spring 2020.
- 2020 Sara Carney & Kimber de Salvo, Texas Shores Magazine. "The coast is your oyster." Spring 2020.
- 2020 John Blaha, Texas Saltwater Fishing Magazine. "Are you a good steward of Texas coastal resources?" February 2020.
- 2019 Rob George, Hecho Podcast. "Jenni Pollack – Oyster maven and underwater environment expert". November 26, 2019.
- 2019 Jay Gardner, Island Moon. "On the Rocks". November 21, 2019.
- 2019 Kylie Cooper, The Bend Magazine. "Meet Dr. Jennifer Pollack". October 31, 2019.
- 2019 Lori Balster, Environmental Monitor. "Building up Oysters: Coastal Conservation and Restoration by Harte Institute Helps Support Whole Shellfish Life Cycle". June 13, 2019.
- 2019 David Brown, The Texas Standard. "Effects of ship collision and chemical spill on oysters and fish in Galveston Bay". May 15, 2019
- 2019 Priscilla Torres, KRIS-TV. "Oyster harvesting in Houston Channel impacted by recent toxic gasoline spill". May 14, 2019.
- 2019 Kate Wheeling, Pacific Standard Magazine. "Recovery and restoration efforts in the Gulf of Mexico: 10 years since the BP oil spill." March 27, 2019.
- 2019 Claudia Alarcón, Forbes Magazine. "Preserving The Future Of Gulf Oysters, One Shuck At A Time." February 20, 2019.
- 2018 Jessica Priest, Victoria Advocate. "Sink Your Shucks." April 15, 2018.
- 2018 KRIS-TV / Houston Chronicle. "Volunteers build oyster reef in South Texas following Harvey". April 10-13, 2018.
- 2018 Barbi Leo, Domingo Live, KIII-TV. "Oyster Reef Restoration in the Texas Coastal Bend". March 27, 2018
- 2016 Beatriz Alvarado, Corpus Christi Caller Times. "Oyster program celebrated." August 17, 2016
- 2016 Joe Gazin, KIII-TV. "TAMU-CC oyster recycling program hits milestone." August 16, 2016

- 2016 Lee Sausley, KRIS-TV. "Sink Your Shucks celebrates one-millionth pound of oyster shells." August 16, 2016.
- 2016 John Blaha, Texas Saltwater Fishing Magazine. "St. Charles Bay – Oyster reef creation and shoreline stabilization." July 12, 2016.
- 2016 John Blaha, Texas Saltwater Fishing Magazine. Conservation News. "CCA Texas pledges 1.5 million to habitat restoration and conservation—Oyster restoration at the grass roots level." May 1, 2016
- 2016 TAMU-CC News. "Volunteers restore oyster reef and help protect salt marsh habitat at 'Sink Your Shucks' Event. May 12, 2016.
- 2016 Danielle St. Marie, KRIS-TV. "Sink your shucks oyster reef restoration." May 7, 2016.
- 2016 Lee Sausley, KRIS-TV. "Oyster reef restoration." May 5, 2016.
- 2016 Lee Sausley, KRIS-TV. "400,000 for coastal studies". March 13, 2016.
- 2015 Miranda Leigh, KRIS-TV. "Local businesses team with TAMU-CC to rebuild reefs". April 22, 2015.
- 2015 Marsha Canright, Galveston Daily News. "Troubled times: acidity in water being blamed for poor oyster harvest in Texas this year." March 26, 2015.
- 2014 David Sikes, Corpus Christi Caller Times. "Baffin Bay focus goes from sensational to science". November 23, 2014.
- 2014 Jessica James, KRIS-TV. "Oyster reef restoration at Goose Island State Park". May 10, 2014.
- 2014 Ted Nelson, KEDT Radio. "Sink your shucks oyster reef restoration program". May 7, 2014.
- 2014 Sara Acosta, KIII-TV. "Oyster reef restoration in the Texas coastal bend". May 7, 2014.
- 2014 Jane Monreal, KIII-TV. "Volunteers needed for oyster reef restoration". May 5, 2014.
- 2014 Janine Reyes, KRIS-TV. "Study: Oysters Save \$300k in Clean Up Services". April 25, 2014.
- 2014 Jane Monreal, KIII-TV. "Oyster reef restoration in St. Charles Bay, TX". April 29, 2014
- 2014 Maureen Peck, Journal-American Water Works Association. "Researchers put historic Half Moon Reef back on the map". February 2014.
- 2013 The Nature Conservancy, "Half Moon Reef". YouTube Video.
- 2013 WOAI-AM Radio - San Antonio, TX. "Oyster reef restoration of historic Half Moon Reef". December 9, 2013.
- 2013 Danielle Nottingham, CBS. "Oyster restoration project under way off Texas coast". November 26, 2013.
- 2013 Matthew Tresaugue, Houston Chronicle. "Reef aims to restore oyster population". November 3, 2013.
- 2013 Lauren Korn, KZTV-10. "Large barge hauls oyster shells to restoration reef." September 4, 2013.
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