

Curriculum Vitae  
**JUDSON MATTHEW CURTIS**  
522 Hancock Ave  
Corpus Christi, TX 78404  
[judd.curtis@gmail.com](mailto:judd.curtis@gmail.com)  
508-207-6421

## OBJECTIVE

I am a marine biologist with broad training in fisheries and marine ecology. My goal is to serve in a position where I can support balancing the interests among fishery stakeholders, living marine resources, and the environment while promoting sustainable fisheries management through sound science.

## EDUCATION

- Ph.D.** (2014) Marine Biology, Texas A&M University, Corpus Christi, TX
- GPA: 4.00 / 4.00
  - Ph.D. research fellow, The Harte Research Institute for Gulf of Mexico Studies
  - Ph.D. research fellow, NOAA-Environmental Cooperative Science Center
- B.A.** (2006) Biology, Env. Science & Policy, Clark University, Worcester, MA
- GPA: 3.64 / 4.00, *magna cum laude*, double major

## PROFESSIONAL BACKGROUND

**Associate Research Scientist** Sept 2018 – current  
*Harte Research Institute for Gulf of Mexico Studies*

- Supports research projects through grant funding opportunities
- Coordinates logistical planning and execution of fisheries research projects
- Conducts statistical data analysis, and prepares publications and final reports
- Supervises graduate students and research technicians, provides training in marine ecology and fisheries techniques

**Adjunct Graduate Faculty** April 2016 – current  
*Texas A&M University-Corpus Christi*

- Serves on graduate student thesis and dissertation committees
- Teaches undergraduate/graduate level classes in fisheries and ecology

**Assistant Research Scientist** Sept 2016 – Aug 2018  
*Harte Research Institute for Gulf of Mexico Studies*

- Supports research projects through grant funding opportunities
- Coordinates logistical planning and execution of fisheries research projects
- Conducts statistical data analysis, and prepares publications and final reports
- Supervises graduate students and research technicians, provides training in marine ecology and fisheries techniques

**Post-Doctoral Research Associate** Aug 2014 – Aug 2016  
*Harte Research Institute for Gulf of Mexico Studies*

- Coordinates and executes offshore and inshore marine research projects

- Publishes scientific manuscripts and technical reports for funded grants
- Applies for federal and non-federal grant funding opportunities

**Graduate Research Assistant**

Sept 2008 – July 2014

*Texas A&M University-Corpus Christi, TX*

- Conducted research on red snapper ecology: discard mortality, movement, and population dynamics
- Surveyed offshore artificial and natural reefs to assess fish population dynamics using remotely operated vehicles, vertical line fishing gear, scuba diving, and acoustic telemetry
- Taught lectures and laboratory sections for undergraduate biology courses
- Presented research at national scientific meetings

**Research Associate**

Oct 2006 – May 2008

*Correlagen Diagnostics, Inc., Waltham, MA*

- Performed QA/QC of DNA sequence data and disease variant identification in immunology, cardiology, and endocrinology molecular assays.
- Prepared technical reports on DNA sequence data for review by director
- Ensured timely return of patient results and meeting project deadlines
- Maintained supplies and equipment inventory with full documentation

**RESEARCH GRANTS**

- 2020-2022 Texas Parks and Wildlife Department – State Wildlife Grant. *Seasonal movement patterns of Cobia in the western Gulf of Mexico* - \$153,849 (Co-PI)
- 2020-2021 Texas Coastal Bend Bays and Estuaries Program. *Benchmarking community structure of estuarine-dependent nekton near the Aransas Pass inlet* - \$50,471 (PI)
- 2019-2020 Gulf of Mexico Fishery Management Council. *Movement Patterns and Discard Mortality of Cobia in the Gulf of Mexico* - \$92,500 (Co-PI)
- 2018-2020 National Fish and Wildlife Foundation – Electronic Monitoring Fund. *iSnapper for the private sector: improving electronic data collection in the red snapper recreational fishery (TX)* - \$545,151 (Co-PI)
- 2018-2019 National Academy of Sciences, Engineering, and Medicine: Gulf Research Program. *Scientific Research Disaster Recovery Grant* - \$49,657 (PI)
- 2018-2019 Harvey Weil Sportsman Conservationist Award. *Impacts of Hurricane Harvey on Cedar Bayou: a post-disturbance assessment of sportfish use of essential fish habitat* - \$6,000 (PI)
- 2018-2020 NOAA Sea Grant. *Evaluating the relative habitat value of intertidal and subtidal oyster reefs to improve restoration methods* - \$336,794 (Co-PI)
- 2017-2018 Texas Parks and Wildlife Foundation. *A Post-Reefing assessment of the Port O'Connor nearshore reef* - \$35,214 (Co-PI)
- 2016-2017 NOAA Bycatch Reduction Engineering Program. *Refining rapid recompression techniques in Gulf of Mexico red snapper using a unique acoustic telemetry approach* - \$191,655 (Co-PI)

- 2016-2018 National Fish and Wildlife Foundation – Electronic Monitoring Fund. *iSnapper: Electronic Data Collection in the Gulf of Mexico Red Snapper Recreational Fishery (TX)* - \$482,259 (Co-PI)
- 2016-2017 Mississippi-Alabama Sea Grant. *An Experimental Design to Estimate Absolute Abundance of Red Snapper in the U.S. Gulf of Mexico (Phase I)* - \$99,595 (Co-PI)
- 2015-2018 Texas Parks & Wildlife Department – Artificial Reef Program. *South Texas Artificial Reef Research Program: Fish community assessment and reef site evaluations* - \$596,928 (Co-PI)
- 2015-2016 National Fish and Wildlife Foundation – Fisheries Innovation Fund. *Optimizing Rapid Recompression Strategies for Increasing Survival of Discarded Red Snapper in the Gulf of Mexico (TX)* - \$209,326 (Co-PI)
- 2015-2016 Harte Research Institute for Gulf of Mexico Studies – Staff Innovation Grant. *Using an innovative genomics approach to assess barotrauma induced selection in Red Snapper* - \$5,000 (PI)
- 2015-2016 Texas State Aquarium – Wildlife Care, Conservation, and Research Fund. *Sharks with Spectators III: Real-time, global tracking of Texas' apex predators* - \$15,000 (Co-PI)
- 2015-2016 Harvey Weil Sportsman Conservationist Award. *The impact of Cedar Bayou on sportfish: electronically tracking Spotted Seatrout in a recently opened tidal inlet* - \$10,000 (Co-PI)
- 2015-2016 Texas Research and Development Fund – Post-Doctoral Support Grant. *Optimizing rapid recompression strategies for increasing survival of discarded Red Snapper in the Gulf of Mexico* - \$30,000 (PI)

## PUBLICATIONS

### *Scientific peer-reviewed*

8. **Curtis, J.M.**, A.K. Tompkins, A.J. Loftus, and G.W. Stunz (2019) Recreational angler attitudes and perceptions regarding the use of descending devices in southeast reef fish fisheries. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 11:506-518
7. Hall, Q.H., **J.M. Curtis**, J.A. Williams, and G.W. Stunz (2019) The importance of newly-opened tidal inlets as spawning corridors for adult Red Drum (*Sciaenops ocellatus*). *Fisheries Research* 212: 48-55
6. **Curtis, J.M.**, M.W. Johnson, S.L. Diamond, and G.W. Stunz (2015) Quantifying delayed mortality from barotrauma impairment in discarded Red Snapper using acoustic telemetry. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 7: 434-449
5. **Curtis, J.M.**, G.W. Stunz, R.D. Overath, R.R. Vega (2014) Otolith chemistry can discriminate signatures of hatchery-reared and wild spotted seatrout. *Fisheries Research* 153: 31-40.
4. Morra, M., U. Geigenmuller, J. Curran, I.R. Rainville, T. Brennan, **J.M. Curtis**, V. Reichert, H. Hovhannisyanyan, J. Majzoub, and D.T. Miller (2008) Genetic

- diagnosis of primary immune deficiencies. *Immunology and Allergy Clinics of N. Am.* 28(2): 387-412.
3. Matheny, P.B., Z. Wang, M. Binder, **J.M. Curtis**, Y.W. Lim, R.H. Nilsson, K.W. Hughes, V. Hofstetter, J.F. Ammirati, C.L. Schoch, E. Langer, G. Langer, D.J. McLaughlin, A.W. Wilson, T. Frøslev, Z.W. Ge, R.W. Kerrigan, J.C. Slot, Z.L. Yang, T.J. Baroni, M. Fischer, K. Hosaka, K. Matsuura, M.T. Seidl, J. Vauras, and D.S. Hibbett (2007) Contributions of *rpb2* and *tef1* to the phylogeny of mushrooms and allies (Basidiomycota, Fungi). *Molecular Phylogenetics and Evolution* 43: 430-451.
  2. Matheny, P.B., **J.M. Curtis**, V. Hofstetter, M.C. Aime, J.M. Moncalvo, Z.W. Ge, J.C. Slot, J.F. Ammirati, T.J. Baroni, N.L. Bougher, K.W. Hughes, D.J. Lodge, R.W. Kerrigan, M.T. Seidl, D.K. Aanen, M. DeNitis, G.M. Daniele, D.E. Desjardin, B.R. Kropp, L.L. Norvell, A. Parker, E.C. Vellinga, R. Vilgalys, and D.S. Hibbett (2006) Major clades of Agaricales: a multilocus phylogenetic overview. *Mycologia* 98(6): 982-995.
  1. James, T.Y., F. Kauff, C.L. Schoch, P.B. Matheny, V. Hofstetter, C.J. Cox, G. Celio, C. Gueidan, E. Fraker, J. Miadlikowska, H.T. Lumbsch, A. Rauhut, V. Reeb, A.E. Arnold, A. Amtoft, J.E. Stajich, K. Hosaka, G.H. Sung, D. Johnson, B. O'Rourke, M. Crockett, M. Binder, **J.M. Curtis**, J.C. Slot, Z. Wang, A.W. Wilson, A. Schüssler, J.E. Longcore, K. O'Donnell, S. Mozley-Standridge, D. Porter, P.M. Letcher, M.J. Powell, J.W. Taylor, M.M. White, G.W. Griffith, D.R. Davies, R.A. Humber, J.B. Morton, J. Sugiyama, A.Y. Rossman, J.D. Rogers, D.H. Pfister, D. Hewitt, K. Hansen, S. Hambleton, R.A. Shoemaker, J. Kohlmeyer, B. Volkman-Kohlmeyer, R.A. Spotts, M. Serdani, P.W. Crous, K.W. Hughes, K. Matsuura, E. Langer, G. Langer, W.A. Untereiner, R. Lücking, B. Büdel, D.M. Geiser, A. Aptroot, P. Diederich, I. Schmitt, M. Schultz, R. Yahr, D.S. Hibbett, F. Lutzoni, D.J. McLaughlin, J.W. Spatafora, R. Vilgalys (2006) Reconstructing the early evolution of the fungi using a six gene phylogeny. *Nature* 443: 818-822.

#### *Technical reports*

16. **Curtis, J.M.** (2019) Scientific Research Disaster Recovery Grant (Harvey). National Academy of Sciences, Engineering, and Medicine: Gulf Research Program, Final Report. 11 pp.
15. **Curtis, J.M.** (2019) Impacts of Hurricane Harvey on Cedar Bayou: a post-disturbance assessment of sportfish use of essential fish habitat. Harvey Weil Sportsmanship Conservationist, Final Report. 6 pp.
14. Stunz, G.W., **J.M. Curtis**, M.S. Streich, and J.J. Wetz (2019) A Post-Reefing Assessment of the Port O'Connor Nearshore Reef. Texas Parks and Wildlife Foundation, Final Report 15 pp.
13. Stunz, G.W., **J.M. Curtis**, and T.S. Topping (2019) iSnapper: Electronic data collection in the Gulf of Mexico Red Snapper Recreational Fishery (TX). National Fish and Wildlife Foundation – Electronic Monitoring and Reporting Program 0304.16.054237, Final Report. 15 pp.
12. Stunz, G.W., and **J.M. Curtis** (2018) Refining rapid recompression techniques in Gulf of Mexico Red Snapper using a unique acoustic telemetry approach.

- NOAA Bycatch Reduction Engineering Program NA16NMF4720280 Final Report. 66 pp.
11. Stunz, G.W., **J.M. Curtis**, and J.J. Wetz (2018) South Texas Artificial Reef Monitoring – Fish Community Assessment, Year 7. Texas Parks and Wildlife Artificial Reef Program 474362. Final Report 9 pp.
  10. Stunz, G.W., M. Catalano, **J.M. Curtis**, M. Dance, M.J. Drymon, S. Murawski, S.P. Powers, J.R. Rooker, L.S. Stokes, R.D. Wells (2017) An Experimental Design for Estimating Absolute Abundance of Red Snapper in the U.S. Gulf of Mexico. Mississippi-Alabama Sea Grant Final Report 56 pp.
  9. Stunz, G.W., **J.M. Curtis**, J.J. Wetz. 2017. South Texas Artificial Reef Monitoring – Fish Community Assessment Year 6. Texas Parks and Wildlife Contract 474362 Annual Progress Report. 20 pp.
  8. Stunz, G.W., **J.M. Curtis**, A.K. Tompkins (2017) Optimizing Rapid Recompression Strategies for Increasing Survival of Discarded Red Snapper in the Gulf of Mexico (TX). National Fish and Wildlife Foundation – Fisheries Innovation Fund 0303.15.047790 Final Report. 21 pp.
  7. Stunz, G.W., and **J.M. Curtis** (2016) The impact of Cedar Bayou on sportfish: electronically tracking Spotted Seatrout in a recently opened tidal inlet. Harvey Weil Sportsmanship Conservation Award, Rotary Club of Corpus Christi. Final Report. 8 pp.
  6. Stunz, G.W., **J.M. Curtis**, A.K. Tompkins (2016) Techniques for minimizing discard mortality of Gulf of Mexico Red Snapper and validating survival with acoustic telemetry. NOAA Bycatch Reduction Engineering Program NA14NMF4720326 Final Report. 69 pp.
  5. Stunz, G.W., **J.M. Curtis**, and J.J. Wetz (2016) South Texas Artificial Reef Monitoring – Fish Community Assessment, Year 5. Texas Parks and Wildlife Artificial Reef Program, Contract 474362. Annual Progress Report, 48 pp.
  4. Stunz, G.W., **J.M. Curtis**, and T.S. Topping (2016) Sharks with Spectators III: Realtime, Global Tracking of Texas’ Marine Apex Predators for Science, Education, and Outreach. Texas State Aquarium Wildlife Care, Conservation, and Rehabilitation Program Final Report. 10 pp.
  3. Stunz, G.W., **J.M. Curtis**, M.W. Johnson, S.L. Diamond, K.L. Drumhiller (2014) Evaluating the effect of barotrauma on regulatory discards in the red snapper fishery using advanced acoustic telemetry and hyperbaric experimentation. NOAA-Marine Fisheries Initiative, final report 48 pp.
  2. Stunz, G.W. and **J.M. Curtis** (2012) Examining delayed mortality in barotrauma afflicted red snapper using acoustic telemetry and hyperbaric experimentation. SEDAR31-DW22 contributed document. 13 pp.
  1. Diamond, S.L., T. Hedrick-Hopper, G.W. Stunz, M.W. Johnson, **J.M. Curtis** (2011) Reducing discard mortality of red snapper in the recreational fisheries using descender hooks and rapid recompression. Cooperative Research Program final report. 52 pp.

*Periodicals*

2. **Curtis, J.M.** and G.W. Stunz (2014) "High-pressure catch-and-release." *TIDE* official magazine of the Coastal Conservation Association, Jan/Feb, vol. 48.
1. **Curtis, J.M.** and G.W. Stunz (2012) "In the lab: Improving the odds." *TIDE*, official magazine of the Coastal Conservation Association, Jan/Feb, vol. 36.

## CONFERENCE PRESENTATIONS

### \* *Best Presentation Award*

39. **Curtis, J.M.**, G.S. Stunz, S. Powers, and J. Fodrie (2018) Reconstructing recreational fisheries catch data using historical tournament records. MarCuba 2018: XI Congreso de Ciencias del Mar. La Habana, Cuba
38. **Curtis, J.M.**, T.S. Topping, and G.W. Stunz (2018) Recreational fisheries in the northern Gulf of Mexico: Ongoing research at HRI. Centro de Investigaciones Pesqueras Symposium. La Habana, Cuba.
37. **Curtis, J.M.** and G.S. Stunz (2018) Updates on Acoustic Telemetry from the Northwestern Gulf of Mexico. GCOOS Animal Telemetry Network Workshop. New Orleans, LA.
36. Tompkins, A.K., **J.M. Curtis**, G.W. Stunz (2017) Determining effective release methods for reducing discard mortality in the Gulf of Mexico recreational Red Snapper fishery. 147<sup>th</sup> Annual Meeting of the American Fisheries Society. Tampa, FL
35. Gibson, K.J., J.A. Williams, **J.M. Curtis**, J.J. Wetz, and G.W. Stunz (2017) Fine Scale Movements of Red Snapper at the Corpus Christi Nearshore Reef, TX. 147<sup>th</sup> Annual Meeting of the American Fisheries Society. Tampa, FL
34. **Curtis, J.M.** and G.W. Stunz (2017) Estimating Discard Mortality in a Deep-Water Reef Fish; An Evolution in Fate Assignment Using Acoustic Telemetry. 147<sup>th</sup> Annual Meeting of the American Fisheries Society. Tampa, FL.
33. Stunz, G.S. and **J.M. Curtis** (2017) Updates on Acoustic Telemetry from the Northwestern Gulf of Mexico. 3<sup>rd</sup> Annual iTAG Workshop. St. Petersburg, FL.
32. Gibson, K.J., **J.M. Curtis**, J.A. Williams, J.J. Wetz, and G.W. Stunz (2017) Fine-scale Movements of Juvenile Red Snapper at the Corpus Christi Nearshore Reef. Texas Parks and Wildlife Artificial Reef Science and Research Consortium. Corpus Christi, TX.
31. \*Tompkins, A.K., **J.M. Curtis**, G.W. Stunz (2017) Determining effective release methods for reducing discard mortality in the Gulf of Mexico recreational Red Snapper fishery. Texas Bays and Estuaries Meeting. The University of Texas Marine Science Institute, Port Aransas, TX
30. Tompkins, A.T., **J.M. Curtis**, and G.W. Stunz (2017) Utility of rapid recompression devices in the Gulf of Mexico Red Snapper fishery. Texas Chapter of the American Fisheries Society. Corpus Christi, TX
29. \*Tompkins, A.K., **J.M. Curtis**, and G.W. Stunz (2017) Saving Red Snapper one drop at a time. Three-minute Thesis Competition. Texas A&M University-Corpus Christi, Corpus Christi, TX.

28. Tompkins, A.T., **J.M. Curtis**, and G.W. Stunz (2017) Utility of rapid recompression devices in the Gulf of Mexico Red Snapper fishery. Marine Biology Interdisciplinary Program Retreat. Texas A&M University-Galveston, Galveston, TX
27. Tompkins, A.T., **J.M. Curtis**, and G.W. Stunz (2017) Utility of rapid recompression devices in the Gulf of Mexico Red Snapper fishery. Texas Parks and Wildlife Artificial Reef Science and Research Consortium. Corpus Christi, TX.
26. Tompkins, A.T., **J.M. Curtis**, G.W. Stunz (2016) Reducing discard mortality in the Gulf of Mexico Red Snapper fishery. Marine Biology Interdisciplinary Program Winter Retreat. Texas A&M University-Corpus Christi, Corpus Christi, TX.
25. \*Tompkins, A.K., **J.M. Curtis**, G.W. Stunz (2016) Reducing discard mortality in the Red Snapper fishery. 8th Biennial Education and Science Forum: NOAA Educational Partnership Program with Minority Serving Institutions. New York City, NY.
24. Ajemian, M.J., S.P. Powers, **J.M. Curtis**, and G.W. Stunz (2015) Can't we all just tag along? Acoustic telemetry compatibility in the Gulf of Mexico. 3rd International Conference on Fish Telemetry. Halifax, Nova Scotia, Canada
23. Brewton, R.A., M.J. Ajemian, M.R. Robillard, **J.M. Curtis**, and G.W. Stunz (2015) Trophic ecology of Red Snapper (*Lutjanus campechanus*) among various habitat types in the western Gulf of Mexico. American Society of Ichthyologists and Herpetologists. Reno, NV.
22. **Curtis, J.M.**, J.A. Williams, M.J. Ajemian, and G.W. Stunz (2015) TexANN: Texas Acoustic Array Network. 2<sup>nd</sup> Annual iTAG Workshop. St. Petersburg, FL.
21. **Curtis, J.M.**, M.W. Johnson, S.L. Diamond, and G.W. Stunz (2015) Estimating Delayed Mortality of Discarded Red Snapper in the Gulf of Mexico with Acoustic Telemetry. American Fisheries Society 145<sup>th</sup> Annual Meeting. Portland, OR.
20. **Curtis, J.M.**, G.W. Stunz, M.W. Johnson, K.D. Drumhiller, and S.L. Diamond (2014) Using Acoustic Telemetry and Hyperbaric Experimentation to Estimate Discard Mortality in the Red Snapper Fishery. American Fisheries Society 144<sup>th</sup> Annual Meeting. Quebec City, Canada.
19. **Curtis, J.M.**, G.W. Stunz, M.W. Johnson, and S.L. Diamond (2014) Ultrasonic acoustic telemetry reveals delayed mortality estimates and post-release behavior patterns in Gulf of Mexico red snapper. Southern Division of the American Fisheries Society. Charleston, SC.
18. **Curtis, J.M.**, G.W. Stunz, M.W. Johnson, and S.L. Diamond (2013) Hiding in plain sight: Tracking the red snapper spawning stock in the western Gulf of Mexico. Joint Meeting of Ichthyology and Herpetology. Albuquerque, NM.
17. Miller, A.J., S.L. Diamond, **J.M. Curtis**, G.W. Stunz (2013) Behavioral Differences of Large and Small Red Snapper (*Lutjanus campechanus*) in the Western Gulf of Mexico. Texas Chapter of the American Fisheries Society Annual Meeting. Montgomery, TX.

16. \***Curtis, J.M.**, G.W. Stunz, M.W. Johnson, and S.L. Diamond (2013) Hiding in plain sight: Tracking the red snapper spawning stock in the western Gulf of Mexico. 9th Annual Texas Bays and Estuaries Meeting. The University of Texas Marine Science Institute, Port Aransas, TX.
15. **Curtis, J.M.**, G.W. Stunz, M.W. Johnson, and S.L. Diamond (2012) Quantifying delayed post-release mortality in the Gulf of Mexico recreational red snapper fishery using acoustic telemetry. Texas Chapter of the American Fisheries Society 37<sup>th</sup> Annual Meeting. Galveston, TX.
14. Palacios, R.R., **J.M. Curtis**, and G.W. Stunz (2013) Determining the age and growth of the spotted seatrout (*Cynoscion nebulosus*) using marginal otolith extraction techniques. Annual TAMUS Louis Stokes Alliances for Minority Participation (LSAMP) Symposium. College Station, TX.
13. **Curtis, J.M.**, G.W. Stunz, M.W. Johnson, and S.L. Diamond (2012) Estimating delayed mortality of red snapper discards using acoustic telemetry. Southern Division of the American Fisheries Society Annual Meeting. Biloxi, MS.
12. \***Curtis, J.M.**, G.W. Stunz, M.W. Johnson, and S.L. Diamond (2012) Estimating delayed mortality of red snapper discards using acoustic telemetry. 6th NOAA-EPP Education & Science Forum. Florida A&M University, Tallahassee, FL.
11. **Curtis, J.M.**, G.W. Stunz, M.W. Johnson, and S.L. Diamond (2011) Quantifying delayed post-release mortality in the Gulf of Mexico recreational red snapper fishery using acoustic telemetry. American Fisheries Society 141st Annual Meeting. Seattle, WA.
10. Overath, R.D., **J.M. Curtis**, I. Blandon, C. Morales, K.C. Rainer, G.W. Stunz, and R.R. Vega RR (2011) Cost-Benefit Analysis of Combining Genetic Markers and Otolith Chemistry to Track the Fate of Hatchery-Reared Fish. American Fisheries Society 141st Annual Meeting. Seattle, WA.
9. \***Curtis, J.M.**, G.W. Stunz, M.W. Johnson, and S.L. Diamond (2011) Estimating post-release mortality in the red snapper fishery using V9AP accelerometer tags. 5th Annual Graduate Scholarly Works Symposium. Texas A&M University-Corpus Christi, Corpus Christi, TX.
8. Stunz, G.W., M.W. Johnson, S. Diamond, M.L. Wildhaber, L. Bivins, and **J.M. Curtis** (2011) The South Texas Acoustic Network (TexAAN). Benthic Ecology Meeting. Mobile, AL
7. **Curtis, J.M.**, G.W. Stunz, M.W. Johnson, and S.L. Diamond (2011) Estimating post-release mortality in the red snapper fishery using V9AP accelerometer tags and acoustic telemetry. Benthic Ecology Meeting. Mobile, AL.
6. Pizano, R.I., M.W. Johnson, **J.M. Curtis**, and G.W. Stunz (2011) Effects of barotrauma on red snapper (*Lutjanus campechanus*) in the Gulf of Mexico. Texas Undergraduate Research Day at the Capitol. Austin, TX
5. Pizano, R.I., M.W. Johnson, **J.M. Curtis**, and G.W. Stunz (2011) Effects of barotrauma on red snapper (*Lutjanus campechanus*) in the Gulf of Mexico. Annual TAMUS Louis Stokes Alliances for Minority Participation (LSAMP) Symposium. Laredo, TX.



4. **Curtis, J.M.**, G.W. Stunz, R.D. Overath, and R.R. Vega (2010) Detection of wild versus hatchery-reared spotted seatrout using otolith chemistry. Joint Meeting of Ichthyologists and Herpetologists. Providence, RI.
3. \*Pizano, R., **J.M. Curtis**, M.M. Robillard, and G.W. Stunz (2010) Effects of barotraumas on red snapper (*Lutjanus campechanus*) in the Gulf of Mexico. Tenth Annual Sigma Xi Undergraduate Research Symposium. Texas A&M University - Corpus Christi, TX.
2. Lannon, C.R., M.W. Johnson, **J.M. Curtis**, and G.W. Stunz (2010) Sink or swim: Catch and release mortality of red snapper (*Lutjanus campechanus*). NSF Summer Undergraduate Research Symposium. Corpus Christi, TX
1. **Curtis, J.M.**, G.W. Stunz, R.D. Overath, and R.R. Vega (2009) Identification of wild versus hatchery-reared spotted seatrout using otolith chemistry. Joint Meeting of Ichthyology and Herpetology. Portland, Oregon

### INVITED SPEAKER

10. Curtis, J.M. and G.S. Stunz (2019) *Recreational Angler Perceptions Regarding the Use of Descending Devices in Southeast Reef Fish Fisheries*. Gulf of Mexico Fishery Management Council, Outreach and Education Technical Committee. October 2019. St. Petersburg, FL.
9. Curtis, J.M. and G.S. Stunz (2019) *Western Gulf: A Synopsis of Research on Recreational Fishing Practices and Discard Mortality*. Gulf of Mexico Fishery Management Council, Release Mortality Symposium. October 2019. St. Petersburg, FL.
8. Curtis, J.M. (2019) The Education Center at Rockport Aquarium: *The Great Red Snapper Count: Estimating the Absolute Abundance of Red Snapper in the U.S. Gulf of Mexico*. Rockport, TX.
7. Curtis, J.M. and G.S. Stunz (2017) National Fish and Wildlife Foundation Fisheries Innovation Fund, Grantee webinar: Reduction of Discard Mortality in Recreational Fisheries. *Optimizing rapid recompression strategies for increasing survival of discarded Red Snapper in the Gulf of Mexico*. Washington, D.C.
6. Curtis, J.M. (2016) Texas State Aquarium: Seafood Wars. *Dolphinfish in the Gulf of Mexico*. Corpus Christi, TX.
5. Curtis, J.M. and G.S. Stunz (2016) NOAA-Bycatch Reduction Engineering Program Annual Meeting. *Techniques for minimizing discard mortality of Gulf of Mexico Red Snapper and validating survival with acoustic telemetry*. Woods Hole, MA.
4. Curtis, J.M. (2015) Audubon Outdoor Club. *Fisheries Research in the Gulf of Mexico*. South Texas Botanical Gardens, Corpus Christi, TX.
3. Curtis, J.M. (2015) Texas Fly Fishermen Club. *Fisheries Research at the Center for Sportfish Science and Conservation*. Houston, TX.
2. Curtis, J.M. (2015) University of Texas Marine Science Institute Summer Science. *Fisheries Research in the Gulf of Mexico*. Port Aransas, TX.
1. Curtis, J.M. (2012) R/V Falkor Science at Sea. *Red Snapper Ecology in the Gulf of Mexico: Studies in Mortality, Recruitment, and Connectivity*.

**COMMUNITY SERVICE & OUTREACH**

- Council of Principal Investigators and Research Administrators (2019 – current), Texas A&M University-Corpus Christi
- Scientific and Statistical Committee (2018 – current) Special Reef Fish and Special Red Drum, Gulf of Mexico Fishery Management Council, Tampa, FL
- Institutional Animal Care and Use Committee (2018 – current), Texas A&M University-Corpus Christi
- Capstone Advisor (2018) Engineering undergraduate senior capstone
- Coastal Migratory Pelagics Advisory Panel (2017 – 2020) Gulf of Mexico Fishery Management Council, Tampa, FL
- Steering Committee (2016 – current) Harte Research Institute Researchers Group Committee
- Moderator & Science Judge (2011 - current) National Ocean Sciences Bowl, Loggerhead challenge, Texas A&M University-Corpus Christi, TX
- GCFI Conference organizer (2013) Gulf and Caribbean Fisheries Institute annual meeting, Corpus Christi, TX.
- Science Judge (2012) Coastal Bend Science Fair, Corpus Christi, TX
- Volunteer (2011) State of the Gulf of Mexico Summit 2011, Houston, TX
- Marsh Restoration Volunteer (2011) Coastal Bays & Estuaries Program, Corpus Christi, TX
- Moderator (2011) Challenges to Conserving and Sharing our Bays, Harte Research Institute for Gulf of Mexico Studies

**JOURNAL REVIEWER**

- Aqua Journal of Ichthyology
- Biological Conservation
- Fisheries Research
- ICES Journal of Marine Science
- Journal of Fish and Wildlife Management
- Marine Ecology Progress Series
- Marine and Coastal Fisheries
- North American Journal of Fisheries Management
- Transactions of the American Fisheries Society

**GRANT REVIEWER**

- Coastal Bend Bays and Estuaries Program
- NOAA Saltonstall-Kennedy Program
- NOAA Sea Grant-California
- NOAA Sea Grant-North Carolina
- NOAA Cooperative Research Program
- Sam Houston State University Enhanced Research Grant

**OCEANOGRAPHIC RESEARCH VESSEL EXPERIENCE**

**R/V PELICAN – CRUISE 104543 (14 DAYS)**

- Conducted fish bioacoustic and ROV surveys on natural and artificial reef habitats to assess biomass and species composition

**NOAA OKEANOS EXPLORER – CRUISE EX1303 (22 DAYS)**

- Mapped New England seamount chains using high resolution multibeam sonar mapping, data acquisition, and processing with SIS and CARIS software

**R/V FALKOR, SCHMIDT OCEAN INSTITUTE (13 DAYS)**

- Mapped artificial and natural reef communities of south Texas banks using high resolution multibeam sonar mapping data acquisition and processing.
- Assessed fish and benthic community composition, abundance, and distribution using micro-ROV surveys and vertical long-line sampling.

**NOAA R/V OREGON II – SUMMER GROUND FISH SURVEYS (12 DAYS)**

- Collected, identified, and inventoried benthic fish and invertebrates to species level using identification guides and electronic fish measuring boards.
- Collected surface and sub-surface plankton using neuston and bongo sampling devices, and physiochemical water quality data using CTD devices.

**M/V FLING (5 DAYS)**

- Performed fish abundance and distribution surveys and species diversity counts on South Texas Artificial Reefs in the Gulf of Mexico using scuba diving and ROV surveys.

**SKILLS & CERTIFICATIONS**

- AAUS scientific diver, PADI advanced open water, PADI enriched air diver
- Micro-ROV pilot and operator certification (VideoRay)
- Side-scan sonar (Hummingbird)
- Statistical analyses and data management: R, Primer7, SAS, SigmaPlot
- ArcGIS
- Windows/Mac OS
- Microsoft office suite
- High resolution multibeam data acquisition and processing with SIS and CARIS software
- CPR/AED, First Aid, Oxygen certified (current)
- BoatU.S. Foundation powerboat certification
- Otolith processing: extraction, microstructural analyses, microchemistry
- Molecular techniques: DNA extraction, PCR, DNA sequencing, cloning, primer development, variant identification
- Automation and robotics in DNA sequencing
- DNA sequencing analysis software: Sequencher, Seqscape

**PROFESSIONAL ORGANIZATIONS**

- American Fisheries Society (AFS)
- Coastal Conservation Association (CCA)
- American Society of Ichthyologists and Herpetologists (ASIH)

- National Audubon Society (NAS)
- iTAG, Florida Fish and Wildlife Commission
- ELITE Graduate Program Cohort, Texas A&M University-Corpus Christi
- Marine Science Graduate Student Organization, Texas A&M University-Corpus Christi

#### **DISSERTATION TITLE**

- Curtis, J.M. (2014) Discard mortality, recruitment, and connectivity of Red Snapper (*Lutjanus campechanus*) in the northern Gulf of Mexico. Texas A&M University. Corpus Christi, TX. Published by ProQuest LLC. UMI Number: 3632579

#### **AWARDS & HONORS**

- Best presentation (2013) Student oral presentation competition, 9<sup>th</sup> Annual Texas Bays and Estuaries Meeting, Port Aransas, TX
- Best presentation (2012) Student oral presentation competition, 6<sup>th</sup> NOAA-EPP Education & Science Forum, Florida A&M University, Tallahassee, FL
- Ph.D. research fellowship (2012) NOAA-Environmental Cooperative Science Center
- Coastal Conservation Association Graduate Student Scholarship (2011) Coastal Conservation Association-Texas Chapter
- Student travel award (2011) ELITE Graduate Program, Texas A&M University-Corpus Christi
- Best overall student presentation (2011) Graduate Scholarly Works Symposium, Texas A&M University-Corpus Christi
- Student Scholarship (2011) American Fisheries Society-Texas Chapter
- Research Fellowship (2010) Harte Research Institute for Gulf of Mexico Studies, Texas A&M University-Corpus Christi
- Undergraduate Research Assistantship (2004) NSF-Research Experience for Undergraduates, Clark University, Worcester, MA