

Texas Sea Grant Undergraduate Scholars Research Projects

- Temperature, hurricanes and distance from oil-rig platforms have a direct correlation with water quality and overall health of coral reefs in the Florida Keys National Marine Sanctuary.
- Effects of gillnet entanglement on mortality of dusky dolphins (*Lagenorhynchus obscurus*).
- An instrumentation system to measure in-situ hydrodynamics during barrier island overwash and inundation.

Final Thesis link: <http://oaktrust.library.tamu.edu/handle/1969.1/157706>

- What factors explain harmful algal blooms of *Dinophysis* along the Texas coast?
- Alternative larval diets and generational time for Gulf of Mexico blenny species.
- Genetic diversity in the hydroid *Janaria mirabilis*: Possible presence of cryptic species.
- Cryptic species analysis of *Austrotilharzia variglandis* and *Mesostephanus appendiculatus* in the salt marsh gastropod, *Cerithidea pliculosa*, in Galveston Bay.

Final Thesis link: <http://oaktrust.library.tamu.edu/handle/1969.1/154502>

- Aragonite saturation state and deep-sea coral distribution in the Northwest Hawaiian Islands.
- Feeding ecology of coastal sharks in the northwest Gulf of Mexico.
- Identifying the differences in survivorship and growth in offspring of large and small females in the pipefish species *Syngnathus scovelli*.

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- Determining the dietary tryptophan requirement of juvenile red drum.

- Acoustic vocalizations of dolphins and effects of anthropogenic noise.

Final Thesis link: <http://oaktrust.library.tamu.edu/handle/1969.1/152046>

- Effect of exopolymers on the consumption of *Synechococcus* by *Oxyrrhis marina*.

Final Thesis link: <http://oaktrust.library.tamu.edu/handle/1969.1/152022>

- *Sargassum* early advisory system (SEAS): Developing the standard operating procedure of investigating the hourly growth rate of *Sargassum* while suspended in the neritic coastal waters off of Galveston, Texas.

Final Thesis link: <http://oaktrust.library.tamu.edu/handle/1969.1/152070>

- Association patterns of common bottlenose dolphins (*Tursiops truncatus*) in the Galveston Ship Channel, Texas.

Final Thesis link: <http://oaktrust.library.tamu.edu/handle/1969.1/152042>

- Application of carbohydrates and phenols as biomarkers to study dissolved organic matter reservoirs in arctic rivers.

Final Thesis link: <http://oaktrust.library.tamu.edu/handle/1969.1/152060>

- Trematode prevalence as an indicator for Galveston marsh health.

Final Thesis link: <http://oaktrust.library.tamu.edu/handle/1969.1/157584>

- Variation in skull shape reflects feeding adaptations in basal otariid pinnipeds.
- Association between shrimp catch per unit effort and environmental variables in the Gulf of Mexico.
- The changes in growth and composition of marine microalgae in response to sodium bicarbonate and nitrogen.

Final Thesis link: <http://oaktrust.library.tamu.edu/handle/1969.1/154884>

- 'Our tables have suffered': Quantifying consumer market activity of commercially valuable living resources in Chesapeake Bay, 1850-1950.

Final Thesis link: <http://oaktrust.library.tamu.edu/handle/1969.1/154892>