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.


- 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 *Austrobilharzia variglandis* and *Mesostephanus appendiculatus* in the salt marsh gastropod, *Cerithidea pliculosa*, in Galveston Bay.


- 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*.


- 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