

Dr. Michael S. Wetz

Texas A&M University-Corpus Christi
Science & Engineering, Life Sciences

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Education

PhD, Oregon State University.

MS, Oregon State University, 2003.

BS, Coastal Carolina University, 2000.

Professional Employment

Associate Professor, Texas A&M University-Corpus Christi. (September 2014 - Present).

Assistant Professor, Texas A&M University- Corpus Christi. (August 2008 - August 2014).

Assistant Professor, Florida State University. (December 2008 - August 2010).

National Research Council Postdoctoral Fellow, U.S. EPA & University of North Carolina. (August 2006 - December 2008).

Professional Memberships

American Society of Limnology and Oceanography
Estuarine Research Federation

TEACHING

Teaching Experience

BIOL 3428, PRINCIPLES OF ECOLOGY

BIOL 4323, GLOBAL CHANGE ECOLOGY

BIOL 4396, DIS: Global Change Ecology

BIOL 4590, SELECTED TOPICS: Global Change Ecology

BIOL 5392, THESIS PROPOSAL

BIOL 5396, DIS: Microsoft Access Database Development and Scientific

BIOL 5940, PROJECT RESEARCH

CMSS 6359, MARINE ECOSYSTEM DYNAMICS

CMSS 6590, ADVANCED TOPICS: Global Change and its Effects on Aquatic Ecosystems

CMSS 6996, RESEARCH

ESCI 4496, DIR IND STUDY: Training to enhance theoretical understanding of, and proficiency in, water quality

ESCI 5392, THESIS I: THESIS PROPOSAL

ESCI 5393, THESIS II: THESIS RESEARCH

ESCI 5596, DIRECTED INDEPENDENT STUDY

ESCI 5940, PROJECT RESEARCH

HONR 4195, PROJECT OF EXCELLENCE

MARB 5392, THESIS PROPOSAL

MARB 5393, THESIS RESEARCH

MARB 5394, THESIS SUBMISSION

MARB 5596, DIS: Method development for quantifying estuarine micoplankton abundance
MARB 5940, THESIS PROJECT RESEARCH
MARB 6590, SPECIAL TOPICS: Marine Ecosystem Dynamics
MARB 6940, DISSERTATION PROJECT RESEARCH

Non-Credit Instruction

Marine Ecology. (October 2012).
Marine Biology Seminar. (April 2011).
Introduction to Oceanography. (April 2011).
Coastal Ecology of Texas. (March 2011).
Marine Ecology/Marine Ecological Processes. (October 2010).

SCHOLARLY AND CREATIVE ACTIVITIES

Publications

Refereed

Journal Articles

Wetz, M. S., Hayes, K., Fisher, K., Price, L., Sterba-Boatwright, B. D. (2016). Water quality dynamics in an urbanizing subtropical estuary (Oso Bay, Texas). *Marine Pollution Bulletin*, 104, 44-53.

Kimmel, D., McGlaughon, B., Leonard, J., Paerl, H., Taylor, J. Christopher, Cira, E. K., Wetz, M. S. (2015). Mesozooplankton abundance in relation to the chlorophyll maximum in the Neuse River Estuary, NC: implications for trophic dynamics. *Estuarine Coastal Shelf Science*, 157, 59-68.

Crosswell, J., Wetz, M. S., Hales, B., Paerl, H. (2014). Extensive CO₂ emissions from shallow coastal waters during passage of Hurricane Irene (August, 2011) over the mid-Atlantic coast of the U.S.A. *Limnology and Oceanography*, 59, 1651-1665.

Wetz, M. S., Yoskowitz, D. W. (2013). An extreme future for estuaries? Effects of extreme climatic events on estuarine water quality and ecosystem dynamics. *Marine Pollution Bulletin*, 69, 7-18.

Crosswell, J., Wetz, M. S., Hales, B., Paerl, H. (2012). Air-water CO₂ fluxes in the microtidal, seasonally-stratified Neuse River Estuary, North Carolina. *Journal of Geophysical Research-Oceans*, 117, C08017.

Sokoletsky, L., Lunetta, R., Wetz, M. S., Paerl, H. (2012). Assessment of the water quality components in turbid estuarine waters based on radiative transfer approximations. *Israel Journal of Plant Sciences*, 60, 209-229.

Wetz, M. S., Leonard, J., Taylor, J. C., Paerl, H. (2011). Environmental controls upon picophytoplankton growth and biomass in a eutrophic estuary. *Aquatic Microbial Ecology*, 63, 133-143.

Sokoletsky, L., Ross, L., Wetz, M. S., Hans, P. (2011). MERIS retrieval of water quality components in the turbid Albemarle-Pamlico Sound Estuary, USA. *Remote Sensing*, 3, 684-707.

- Wetz, M. S., Hutchinson, E., Lunetta, R., Paerl, H., Taylor, J. (2011). Severe droughts reduce planktonic production in estuaries with cascading effects on higher trophic levels. *Limnology and Oceanography*, 56, 627-638.
- Gaulke, A., Wetz, M. S., Paerl, H. (2010). Picophytoplankton: major contributors to planktonic biomass and primary production in a river-dominated, eutrophic estuary. *Estuarine, Coastal and Shelf Science*, 90, 45-54.
- Wetz, M. S., Robbins, M., Paerl, H. (2009). Transparent exopolymer particles (TEP) in a river-dominated estuary: spatial-temporal distributions and controls upon TEP formation. *Estuaries and Coasts*, 32, 447-455.
- Wetz, M. S., Hales, B., Wheeler, P. (2008). Degradation of diatom-derived dissolved and particulate organic matter: implications for coastal C and N biogeochemistry. *Estuarine, Coastal and Shelf Science*, 77, 422-432.
- Wetz, M. S., Paerl, H. (2008). Estuarine phytoplankton responses to hurricanes and tropical storms with different characteristics (trajectory, rainfall, winds). *Estuaries and Coasts*, 31, 419-425.
- Wetz, M. S., Paerl, H. (2008). Impact of large storm events with different meteorological characteristics on estuarine ciliate biomass. *Journal of Plankton Research*, 30, 551-557.
- Wetz, M. S., Wheeler, P. (2007). Release of dissolved organic matter by coastal diatoms. *Limnology and Oceanography*, 52, 798-807.
- Lewitus, A., Wetz, M. S., Willis, B., Burkholder, J., Glasgow, H. (2006). Grazing activity of *Pfiesteria piscicida* (Dinophyceae) and susceptibility to ciliate predation vary with toxicity status. *Harmful Algae*, 5, 427-434.
- Wetz, M. S., Hales, B., Wheeler, P., Chase, Z., Whitney, M. (2006). Riverine input of macronutrients, iron, and organic matter to the coastal ocean off Oregon, USA, during the winter. *Limnology and Oceanography*, 51, 2221-2231.
- Wetz, M. S., Hayes, K., Lewitus, A., Wolny, J., White, D. (2006). Variability in phytoplankton pigment biomass and taxonomic composition over tidal cycles in a salt marsh estuary. *Marine Ecology Progress Series*, 320, 109-120.
- Wetz, M. S., Wheeler, P., Letelier, R. (2004). Light induced growth of phytoplankton collected during the winter from the benthic boundary layer off Oregon, USA. *Marine Ecology Progress Series*, 280, 95-104.
- Wetz, M. S., Wheeler, P. (2004). Response of bacteria to simulated upwelling phytoplankton blooms. *Marine Ecology Progress Series*, 272, 49-57.
- Wetz, M. S., Wheeler, P. (2003). Production and partitioning of organic matter during simulated phytoplankton blooms. *Limnology and Oceanography*, 48, 1808-1817.
- Wetz, M. S., Lewitus, A., Koepfler, E., Hayes, K. (2002). Impact of the eastern oyster *Crassostrea virginica* on microbial community structure in a salt marsh estuary. *Aquatic Microbial Ecology*, 28, 87-97.

Presentations

Byars, N. (Author & Presenter), Huettel, M., Wetz, M. S., "Small-scale spatial dynamics of phytoplankton in Apalachicola Bay, Florida, a river-dominated estuary," AGU-ASLO Ocean Sciences Meeting, New Orleans, LA. (February 2016).

Wetz, M. S., BLUE On Tour Film Festival, Corpus Christi, TX. (February 2016).

Wetz, M. S., "Application of systems approaches to understand causes and effects of estuarine eutrophication," Invited seminar, Skidaway Institute of Oceanography, Savannah, GA. (2015).

Wetz, M. S., "Application of systems approaches to understand causes and effects of estuarine eutrophication," Invited seminar, Coastal Carolina University, Conway, SC. (2015).

Cira, E. K. (Author & Presenter), Hayes, K., Wetz, M. S., "Nutrient controls upon phytoplankton growth in a eutrophying, brown tide-dominated South Texas estuary (Baffin Bay)," Coastal & Estuarine Research Federation Meeting, CERF, Portland, OR. (November 2015).

Hayes, K. (Author & Presenter), Cira, E. K., Hu, X., Wang, H., Wetz, M. S., "Spatial-temporal distribution of organic carbon and nitrogen in a eutrophic estuary (Baffin Bay, TX)," Coastal & Estuarine Research Federation Meeting, CERF, Portland, OR. (November 2015).

Wetz, M. S. (Author & Presenter), Hayes, K., Fisher, K., "Wastewater influence on oxygen and pH conditions in a subtropical estuary (Oso-Corpus Christi Bay, Texas)," Coastal & Estuarine Research Federation Meeting, CERF, Portland, OR. (November 2015).

Wang, H. (Author), Hayes, K. (Author), Wetz, M. S., Hu, X. (Author & Presenter), "Acidification of a Shallow Subtropical Estuary - Reduced Freshwater Inflow, Hypoxia, and Ocean Acidification," 23rd Biannual Conference of the Coastal and Estuarine Research Federation, Portland, OR. (November 8, 2015).

Wetz, M. S., "Water quality sampling in Baffin Bay – what has been learned?," Texas Ag Industries Group Annual Meeting, Kingsville, TX. (October 2015).

Wetz, M. S., The Environment: The Next Five Years, Texas Tribune, Corpus Christi, TX. (October 2015).

Wetz, M. S., "Two years of water quality sampling in Baffin Bay... what have we learned?," Baffin Bay Science Symposium, Celanese Corp., Bishop, TX. (June 2015).

Wetz, M. S., "Two years of water quality sampling in Baffin Bay... what have we learned?," Baffin Bay Public Meeting, Coastal Bend Bays & Estuaries Program, Riviera, TX. (April 2015).

Hayes, K. (Author & Presenter), Wetz, M. S., "Spatial-temporal distribution, and partitioning of organic matter in a eutrophic estuary (Baffin Bay, TX).," Texas Bays & Estuaries Meeting, Port Aransas, TX. (April 2015).

Cira, E. K. (Author & Presenter), Wetz, M. S., "The influence of physical forcing on phytoplankton dynamics in Baffin Bay, Texas," Texas Bays & Estuaries Meeting, Port Aransas, TX. (April 2015).

Cira, E. K. (Author & Presenter), Wetz, M. S., "Influence of physical forcing on phytoplankton dynamics in Baffin Bay, Texas," Gulf Estuarine Research Society Meeting, Port Aransas, TX. (2014).

Fisher, K. (Author & Presenter), Price, L., Kenneth, H., Wetz, M. S., "Nutrient and phytoplankton dynamics in Oso Bay, Texas," Gulf Estuarine Research Society Meeting, Port Aransas, TX. (2014).

Hayes, K. (Author & Presenter), Cira, E. K., Fisher, K., Price, L., Smith, B., Wetz, M. S., "Organic matter loading and heterotrophic bacterial abundance in a eutrophic, lagoonal estuary (Oso Bay, Corpus Christi, TX)," Gulf Estuarine Research Society Meeting, Port Aransas, TX. (2014).

GAVLAS, A. M. (Author & Presenter), Wetz, M. S., "Relationship between the zooplankton community and water quality in an urbanizing, eutrophic estuary (Oso Bay, TX).," Gulf Estuarine Research Society Meeting, Port Aransas, Texas. (2014).

Smith, B. (Author & Presenter), Wetz, M. S., Hayes, K., "Spatial-temporal distribution of heterotrophic bacteria in a eutrophic, lagoonal estuary (Oso Bay, Texas)," Joint Aquatic Sciences Meeting, Portland, Oregon. (2014).

Wetz, M. S., "A "citizen scientist"-driven study to identify causes of, and solutions to, water quality degradation in a vital south Texas estuary (Baffin Bay)," Kavli Frontiers Symposium, Kavli Foundation, Irvine, CA. (2014).

De Santiago, K. (Author & Presenter), Wetz, M. S., Pollack, J., "Assessing benthic infaunal community structure in Oso Bay," Texas Bays and Estuaries Meeting, Port Aransas, TX. (2014).

Wetz, M. S., "Does Oso Bay have a nitrogen problem?," Coastal Issues Forum, Coastal Bend Bays Foundation, Corpus Christi, TX. (April 2014).

Wetz, M. S., "Eutrophication dynamics in two South Texas estuaries.," Texas A&M University-Galveston, Galveston, TX. (April 2014).

Wetz, M. S., "Systems approaches to understanding the eutrophication of two South Texas estuaries," Coastal Carolina University, Conway, SC. (February 2014).

Hales, B., Goni, M., Skillingstad, E., Wall, C., White, A., Evans, W., Harris, K., Siedlecki, S., Wetz, M. S., "Winter conditioning of the Cascadian margin upwelling system: Remote forcing and coastal river influences," 2013 AGU Fall Meeting, San Francisco, CA. (December 2013).

De Santiago, K., Pollack, J., Palmer, T., Wetz, M. S., "Response of macrobenthic communities to varying land uses in Oso Bay, Corpus Christi, Texas," Coastal and Estuarine Research Federation, San Diego, CA. (2013).

Fisher, K., Wetz, M. S., "Phytoplankton and nutrient dynamics in an urbanizing, eutrophic subtropical estuary (Oso Bay, Texas)," 2013 Coastal & Estuarine Research Federation Meeting, San Diego, CA. (November 2013).

Wetz, M. S., Cira, E., Kimmel, D., Paerl, H., "Relative influence of top down and bottom up controls upon estuarine phytoplankton growth and community composition," 2013 Coastal & Estuarine Research Federation Meeting, San Diego, CA. (November 2013).

Wetz, M. S., "Key findings from the first 4 months of the Baffin Bay volunteer water quality monitoring program," Coastal Issues Forum, Corpus Christi, TX. (November 2013).

Sokoly, D. (Author & Presenter), Pollack, J. (Author), Wetz, M. S. (Author), "Relationships between land use, water quality and benthic meiofauna community structure and abundance in Oso Bay (Corpus Christi, Texas)," 2013 Benthic Ecology Meeting, Savannah, GA. (March 2013).

Wetz, M. S. (Author & Presenter), Fisher, K. (Author), Price, L. (Author), Sokoly, D. (Author), Hayes, K. (Author), "Symptoms and causes of water quality degradation in an urbanizing estuary (Oso Bay, TX)," 2013 Benthic Ecology Meeting, Savannah, GA. (March 2013).

Wetz, M. S. (Author & Presenter), "Eutrophication of South Texas estuaries: Oso Bay & Baffin Bay," Coastal Issues Forum, Coastal Bend Bays Foundation, Corpus Christi, TX. (March 2013).

Cira, E. (Author & Presenter), Wetz, M. S. (Author), Kimmel, D. (Author), Paerl, H. (Author), "Bottom-up and top-down controls upon estuarine phytoplankton growth and community composition," ASLO Aquatic Sciences Meeting, New Orleans, LA. (February 2013).

Price, L. (Author & Presenter), Fisher, K. (Author), Wetz, M. S. (Author), "Causes and symptoms of eutrophication in an urbanizing estuary (Oso Bay, Corpus Christi, TX)," ASLO Aquatic Sciences Meeting, New Orleans, LA. (February 2013).

Crosswell, J. (Author & Presenter), Wetz, M. S. (Author), Hales, B. (Author), Paerl, H. (Author), "Globally-significant CO₂ emissions from coastal waters induced by Hurricane Irene (2011)," ASLO Aquatic Sciences Meeting, New Orleans, LA. (February 2013).

Byars, N. (Author & Presenter), Wetz, M. S. (Author), "Spatial-temporal distribution of phytoplankton in Apalachicola Bay, Florida," ASLO Aquatic Sciences Meeting, New Orleans, LA. (February 2013).

Wetz, M. S. (Author & Presenter), "Effects of severe drought on estuarine planktonic food webs," University of Texas Marine Science Institute. (February 2013).

Marshall, K. (Presenter), Wetz, M. S., "Effects of elevated CO₂ levels on estuarine phytoplankton growth and taxonomic composition.," Phycological Society of America Annual Meeting, Charleston, SC. (June 2012).

Cira, E., Wetz, M. S., "Effects of eutrophication and trophic structure alteration on estuarine phytoplankton growth and community composition.," Phycological Society of America Annual Meeting, Charleston, SC. (June 2012).

Wetz, M. S. (Author & Presenter), "Effects of severe drought on coastal ecosystem dynamics – an analogy for oligotrophication?," Texas A&M University- College Station Department of Oceanography, College Station, TX. (April 2012).

Wetz, M. S., "Effects of severe drought on coastal ecosystem dynamics – an analogy for oligotrophication?," University of South Florida College of Marine Science, St. Petersburg, FL. (February 2012).

Byars, N. (Presenter), Wetz, M. S., "How does river flow variability affect the spatial and temporal distribution of phytoplankton in Apalachicola Bay, Florida?," Estuarine Research Federation Biennial Conference, Daytona Beach, FL. (November 2011).

Wetz, M. S. (Author & Presenter), Hutchinson, E., Lunetta, R., Paerl, H., Taylor, J. Christopher, "Severe droughts reduce estuarine primary productivity with cascading effects on higher trophic levels," Estuarine Research Federation Biennial Conference, Daytona Beach, FL. (November 2011).

Byars, N. (Author & Presenter), Wetz, M. S. (Author), "How does river flow variability affect the spatial and temporal distribution of phytoplankton in Apalachicola Bay, Florida?," Aquatic Sciences Meeting, ASLO, San Juan, Puerto Rico. (February 2011).

Crosswell, J. (Author & Presenter), Wetz, M. S. (Author), Hales, B. (Author), Paerl, H. (Author), "Air-water CO₂ fluxes and inorganic carbon dynamics in a eutrophic, microtidal estuary.," AGU Fall Meeting, American Geophysical Union, San Francisco, CA. (December 2010).

Wetz, M. S. (Author & Presenter), Hutchinson, E. (Author), Lunetta, R. (Author), Paerl, H. (Author), Taylor, J. (Author), "Severe drought reduces estuarine phytoplankton productivity with cascading effects on higher trophic levels.," Gulf Estuarine Research Society Annual Meeting, Gulf Estuarine Research Society, Port Aransas, TX. (November 2010).

Welch, K. (Author & Presenter), Wetz, M. S. (Author), Cooper, W. (Author), Kostka, J. (Author), "Microalgae to biofuels: algal growth optimization in municipal wastewater effluent.," Florida Energy Systems Consortium Summit, Florida Energy Systems Consortium, Orlando, FL. (September 2010).

Wetz, M. S. (Author), Smith, C. (Author & Presenter), Kostka, J. (Author), "Microalgae to biofuels: Investigating the role of microbes in wastewater-derived algal cultivation systems.," Florida Energy Systems Consortium Summit, Florida Energy Systems Consortium, Orlando, FL. (September 2010).

Wetz, M. S., "Why do picophytoplankton bloom in some estuaries and not others?," University of Massachusetts-Dartmouth, Dartmouth, MA. (April 2010).

Crosswell, J. (Author & Presenter), Wetz, M. S. (Author), Hales, B. (Author), Paerl, H. (Author), "Air-sea CO₂ fluxes in a eutrophic, lagoonal estuary.," Ocean Sciences Meeting, ASLO/AGU, Portland, OR. (February 2010).

Wetz, M. S. (Author & Presenter), Leonard, J. (Author), Gaulke, A. (Author), Paerl, H. (Author), "Why do picophytoplankton bloom in some estuaries and not others?," Ocean Sciences Meeting, ASLO/AGU, Portland, OR. (February 2010).

Wetz, M. S. (Author & Presenter), "Storm stories: ecological and biogeochemical impact of large storm events in estuarine ecosystems.," Coastal Carolina University, Conway, SC. (February 2010).

Wetz, M. S. (Author & Presenter), "Storm stories: ecological and biogeochemical impact of large storm events in estuarine ecosystems.," American University, Washington, DC. (January 2010).

Contracts, Grants and Sponsored Research

Contract

Wetz, Michael S, "A multi-stressor approach to understanding causes of reduced zooplankton grazing on brown tide," Sponsored by TAMU-CC Research Enhancement Fund, Texas A&M University-Corpus Christi, \$1,788.00. (2014 - 2015).

Grant

Wetz, Michael S (Co-Principal), Montagna, Paul A. (Principal), Hu, Xinping (Co-Principal), "Ocean Acidification: A hydrologic switch explains hypoxia and acidification in estuaries," Sponsored by NOAA, Federal, \$1,265,000.00. (September 2015 - August 2018).

Wetz, Michael S (Co-Principal), Montagna, Paul A. (Principal), Hu, Xinping (Co-Principal), "Ocean Acidification: A hydrologic switch explains hypoxia and acidification in estuaries," Sponsored by NOAA, Federal, \$1,265,000.00. (September 2015 - August 2018).

Sterba-Boatwright, Blair David (Co-Principal), Wetz, Michael S (Principal), Hayes, Kenneth (Supporting), "Long-term water quality trends in central-south Texas estuaries: relationships with climatic variability and land use change," Sponsored by Texas General Land Office, State, \$52,545.00. (October 2016 - April 2018).

Wetz, Michael S (Principal), Hu, Xinping (Co-Principal), "Water quality monitoring of mid-coast estuaries," Sponsored by Texas Water Development Board, State, \$19,500.00. (January 2016 - July 2017).

Wetz, Michael S (Principal), "Baffin Bay volunteer water quality study," Sponsored by Celanese Corporation, Private, \$150,000.00. (July 2014 - June 2017).

Wetz, Michael S (Co-Principal), Sterba-Boatwright, Blair David (Other), Lipp, Erin (Principal), Landing, William (Co-Principal), "Collaborative Research: Heterotrophic microbial community response to dust deposition events," Sponsored by National Science Foundation Biological Oceanography, Federal, \$220,758.00. (April 2014 - March 2017).

Wetz, Michael S (Principal), Hu, Xinping (Co-Principal), "Identification of organic matter sources contributing to hypoxia formation in two eutrophic South Texas estuaries: relationships to watershed land use practices," Sponsored by Texas Sea Grant, Federal, \$273,314.00. (January 2014 - January 2017).

Wetz, Michael S (Principal), "Implementation of a continuous water quality monitoring network in Baffin Bay," Sponsored by Texas Commission for Environmental Quality/Coastal Bend Bays & Estuaries Program, State, \$51,000.00. (October 2015 - July 2016).

Wetz, Michael S, "Baffin Bay volunteer water quality study: Data collection and outreach in support of management efforts," Sponsored by Texas General Land Office (NOAA CMP), State, \$76,801.00. (October 2014 - July 2016).

Murgulet, Dorina (Principal), Wetz, Michael S (Co-Principal), "Evaluating groundwater inflow and nutrient transport to Texas coastal embayments, Phase II," Sponsored by Texas General Land Office (NOAA-CMP), Federal, \$94,924.00. (October 2014 - March 2016).

Pollack, Jennifer, Wetz, Michael S, "Oyster reef restoration in Texas: enhancing water filtration capacity," Sponsored by Gulf of Mexico Foundation-NOAA Community-based Restoration Program, \$80,000.00. (2013 - 2015).

Wetz, Michael S, Hu, Xinping, "Water quality monitoring of mid-coast estuaries," Sponsored by Texas Water Development Board, State, \$20,000.00. (July 2014 - June 2015).

Wetz, Michael S (Co-Principal), Murgulet, Dorina (Principal), "Evaluating groundwater inflow and nutrient transport to Texas coastal embayments," Sponsored by Texas General Land Office (NOAA CMP), State, \$85,686.00. (October 2013 - March 2015).

Besonen, Mark (Supporting), Cifuentes, Luis (Principal), Hu, Xinping (Co-Principal), Stunz, Gregory W. (Co-Principal), Wetz, Michael S (Co-Principal), Naehr, Thomas H. (Co-Principal), Fahlman, Andreas (Supporting), Montagna, Paul A. (Supporting), Pollack, Jennifer (Supporting), Hogan, James D (Supporting), Zimba, Paul V. (Supporting), Coffin, Richard (Supporting), "CKD--FUNDED--MRI: Acquisition of Elemental Stable Isotope Chemistry (ESIC) Mass Spectrometer," Sponsored by U.S. National Science Foundation, Federal, \$419,259.00. (October 1, 2013 - September 30, 2014).

Stunz, Gregory W. (Co-Principal), Cifuentes, Luis (Principal), Wetz, Michael S (Co-Principal), Hu, Xinping (Co-Principal), "MRI: Acquisition of Elemental Stable Isotope Chemistry (ESIC) Mass Spectrometer," Sponsored by NSF - Major Research Instrumentation, \$419,259.00. (October 1, 2013 - September 30, 2014).

Naehr, Thomas H. (Co-Principal), Cifuentes, Luis (Principal), Stunz, Gregory W. (Co-Principal), Hu, Xinping (Co-Principal), Wetz, Michael S (Co-Principal), "Acquisition of Elemental Stable

Isotope Chemistry (ESIC) Mass Spectrometer," Sponsored by NSF OCE/MRI, Federal, \$419,259.00. (September 1, 2013 - August 31, 2014).

Wetz, Michael S (Co-Principal), Pollack, Jennifer (Principal), "Oyster reef restoration in Texas: enhancing water filtration capacity," Sponsored by Gulf of Mexico Foundation, Federal, \$99,261.00. (January 2013 - June 2014).

Wetz, Michael S, "Evaluation of factors contributing to water quality degradation in an urbanizing estuary (Oso Bay, Texas).," Sponsored by Texas General Land Office, State, \$70,654.00. (October 2012 - March 2014).

Wetz, Michael S (Principal), "Baffin Bay volunteer water quality monitoring program," Sponsored by Various (Coastal Bend Bays & Estuaries Program, Coastal Conservation Association, Saltwater Fisheries Enhancement Association, Kleberg County Commissioners), Other, \$41,500.00. (February 2013 - February 2014).

Wetz, Michael S (Principal), "Ungauged flow in Oso Bay," Sponsored by Coastal Bend Bays & Estuaries Program, Local, \$19,000.00. (December 2012 - December 2013).

Wetz, Michael S (Principal), "Collaborative Research: The Estuarine Chlorophyll Maximum," Sponsored by National Science Foundation, Federal, \$115,135.00. (September 2010 - August 2013).

Wetz, Michael S, "Acquisition of field sampling instrumentation and laboratory instrumentation for marine biogeochemical measurements," Sponsored by Texas Higher Education Enhancement Fund, Texas A&M University-Corpus Christi, \$130,000.00. (2011).

Wetz, Michael S (Principal), "Collaborative Research: Estuarine Air-Sea CO₂ Fluxes," Sponsored by National Science Foundation, Federal, \$29,270.00. (April 2011).

Sponsored Research

Wetz, Michael S (Principal), "Will the buildup of anthropogenic CO₂ in the atmosphere intensify estuarine eutrophication?," Sponsored by Texas Research Development Fund, Texas A&M University-Corpus Christi, \$6,015.00. (2011).

Scholarly and Creative Awards and Honors

Kavli Fellow, Kavli Foundation. (2014).

Outstanding Faculty Mentor, Honors Program, Texas A&M University-Corpus Christi. (2013).

SERVICE

Department

Committee Member, Life Sciences Promotion & Tenure Committee. (2014 - Present).

Marine Biology Graduate Program Coordinator. (2013 - Present).

Committee Chair, Life Sciences Department Chair search. (2015 - 2016).

Committee Chair, Coastal Watershed Biologist faculty search. (2014 - 2015).

Committee Member, Life Sciences Department Chair search. (2014 - 2015).

Committee Member, Marine Chemist faculty search. (2014 - 2015).

Committee Chair, Marine Microbial Ecologist Search Committee. (2013 - 2014).

Committee Member, Marine Microbial Ecologist Search Committee. (2012 - 2013).

Committee Chair, Website Development Coordinator, CMSS program. (2012 - 2013).

Committee Member, Coral Reef Ecologist Search Committee. (2012).
Committee Chair, System Science Day Coordinator, CMSS program. (2012).
Committee Member, Marine Molecular Biologist Search Committee. (2011 - 2012).
Presenter, Touch of Class, Island Days. (November 2012).
CMSS Representative, Graduate School Fair. (2011).
Committee Member, Marine Molecular Biologist Search Committee. (2010 - 2011).
Faculty Mentor, Marine Biology Faculty Representative, Island Days. (November 2010).
Faculty Mentor, Life Sciences Graduate Fair Representative. (October 2010).

College

Committee Member, CMSS Membership Committee. (2012 - Present).
Committee Member, CCA Fellowship Committee. (2011 - Present).
Committee Member, CMSS Curriculum Committee. (2011 - Present).
Committee Member, CMSS Recruitment Committee. (2011 - Present).
Committee Chair, College of Science & Engineering Distinguished Speaker Series. (2011 - 2013).
Organizer, Organizer, Public Open House Tours of R/V Falkor. (2012).
Committee Member, College of Science & Engineering Awards Committee. (2010 - 2012).
Committee Member, College of Science & Engineering Field Operations Committee. (2011).
Judge for student presentations, Sigma Xi Undergraduate Research Symposium. (2011).

University

Committee Member, Council of Principal Investigators and Research Administrators. (2015 - Present).
Committee Member, IDC Policy Working Group. (2015 - Present).
Committee Member, Emerging Research Institute Committee. (2011 - 2013).

Professional

Committee Member, Gulf of Mexico Alliance Nutrient Priority Team. (2013 - Present).
Committee Member, Sediment & Water Quality Team, Coastal Bend Bays and Estuaries Program. (2012 - Present).
Reviewer, Journal Article, Aquatic Microbial Ecology. (2015).
Reviewer, Journal Article, Climatic Change. (2015).
Reviewer, Journal Article, Estuaries & Coasts. (2015).
Reviewer, Journal Article, Estuarine, Coastal and Shelf Science. (2015).
Reviewer, Journal Article, Marine Ecology Progress Series. (2015).
Reviewer, Journal Article, Marine Ecology Progress Series. (2015).
Reviewer, Journal Article, Marine Ecology Progress Series. (2015).
Reviewer, Journal Article, Marine Ecology Progress Series. (2015).
Reviewer, Grant Proposal, NOAA Restore program. (2015).
Reviewer, Grant Proposal, NSF Biological Oceanography program. (2015).
Reviewer, Grant Proposal, NSF Biological Oceanography program. (2015).
Reviewer, Grant Proposal, NSF EPSCOR program. (2015).
Reviewer, Journal Article, Polar Biology. (2015).
Reviewer, Journal Article, Applied & Environmental Microbiology. (2014).
Reviewer, Journal Article, Continental Shelf Research. (2014).
Reviewer, Journal Article, Estuaries and Coasts. (2014).
Reviewer, Journal Article, Estuarine, Coastal and Shelf Science. (2014).
Reviewer, Journal Article, Journal of Coastal Research. (2014).
Reviewer, Journal Article, Journal of Phycology. (2014).
Reviewer, Journal Article, Limnologica. (2014).
Reviewer, Journal Article, Marine Ecology Progress Series. (2014).
Reviewer, Grant Proposal, National Science Foundation Ocean Acidification program. (2014).

Committee Member, Board of Trustees, Coastal Bend Bays Foundation. (2011 - 2014).
Judge for Student Presentations, Benthic Ecology Meeting. (2013).
Reviewer, Journal Article, Climatic Change. (2013).
Judge, Student Presentations, Coastal & Estuarine Research Federation. (2013).
Reviewer, Journal Article, Estuaries and Coasts. (2013).
Reviewer, Journal Article, Harmful Algae. (2013).
Reviewer, Journal Article, Journal of Phycology. (2013).
Reviewer, Journal Article, Marine Ecology Progress Series. (2013).
Reviewer, Journal Article, Marine Environmental Research. (2013).
Reviewer, Grant Proposal, NSF Geography & Spatial Sciences. (2013).
Reviewer, Journal Article, Science of the Total Environment. (2013).
Session Co-Chair, Coastal & Estuarine Research Federation. (2012 - 2013).
Reviewer, Journal Article, Aquatic Biology. (2012).
Reviewer, Journal Article, Aquatic Microbial Ecology. (2012).
Reviewer, Journal Article, Estuaries and Coasts. (2012).
Reviewer, Journal Article, Journal of Geophysical Research-Biogeosciences. (2012).
Reviewer, Journal Article, Journal of Geophysical Research-Oceans. (2012).
Reviewer, Journal Article, Marine Ecology Progress Series. (2012).
Reviewer, Journal Article, Critical Reviews in Environmental Science and Technology. (2011).
Reviewer, Journal Article, Deep Sea Research Part II. (2011).
Reviewer, Journal Article, Estuaries and Coasts. (2011).
Reviewer, Journal Article, Estuarine, Coastal and Shelf Science. (2011).
Reviewer, Journal Article, Journal of Geophysical Research-Oceans. (2011).
Reviewer, Journal Article, Marine Ecology Progress Series. (2011).
Reviewer, Journal Article, The ISME Journal. (2011).
Judge for student presentations at biennial meeting, Estuarine Research Federation. (November 2011).
Reviewer, Journal Article, Limnologica. (2010).
Reviewer, Journal Article, Marine Environmental Research. (2010).
Reviewer, Grant Proposal, National Science Foundation (Biological Oceanography Program). (2010).

Public

Guest Speaker, Riviera High School Environmental Science class. (2015 - Present).
Officer, President/Elect/Past, Board of Trustees, Montessori School of Corpus Christi. (2012 - Present).

Service Awards and Honors

Higher Education Award, Coastal Bend Bays Foundation. (2014).