

Grants: Department of Physical and Environmental Sciences Texas A&M University - Corpus Christi

PI	Title	Sponsor	Start	End
Abdulla (PI), Conkle, Zimba	Acquisition of Hybrid Mass Spectrometer for Geochemistry and Environmental Studies	NSF MRI	9/1/2016	-
Alexander (PI), Liu	Improving Connections between Gravity Waves and Convection in the NCAR Coupled Earth System Model (CESM)	NSF	6/1/2015	5/1/2018
Besonen (PI)	GoMRI Coastal Waters Consortium II	GOMRI	1/1/2015	12/31/2017
Besonen (PI)	Baffin Bay Sediment Core Profiling for Historical Water Quality	CBBEP	9/1/2014	3/31/2016
F Billiot (PI), Larkin (Co-PI), Chemistry Faculty	Chemistry Departmental Research Training Grant	Welch Foundation	6/1/2007	Renewed annually

Billiot (PI), Murgulet	MRI: Acquisition of an Agilent 7100 Capillary Electrophoresis Instrument for the Enhancement of Research/Teaching at Texas A&M University-Corpus Christi	NSF MRI	9/1/2015	8/31/2016
Coffin (PI)	Geochemical Assessment Hikurangi Margin Shallow Sediment	DOE	6/1/2015	5/31/2016
Coffin (PI)	Geochemical Assessment Hikurangi Margin Shallow Sediment	GNS	6/1/2015	5/31/2016
Coffin (PI), Naehr, Mehrubeoglu	AGEP-T: Collaborative Research: Advancing Interdisciplinary Stem Graduate Education In Energy and Sustainability Disciplines	NSF	9/14/2013	2/28/2018
Conkle (PI)	Quantifying Plastic Loading and Fate in Corpus Christi Bay to Improve Stakeholder Awareness	TCEQ	9/1/2016	12/31/2017
Conkle (Co-Mentor)	Development of Effective Experimental Procedures for Studying Surface-Subsurface Exchange of Synthetic Microfibers in in Aqua Systems	Alliance for Graduate Education and the Professoriate (AEGP) TAMU System Mini-Grant	9/1/2016	8/31/2017
Conkle (PI), Scarpa, Brooks	Future Water Quality Challenges to Aquaculture and Influences on Product Safety	USDA NIFA AFRI	1/1/2016	12/31/2018

Conkle (PI)	Characterizing and quantifying plastic debris using unmanned aircraft systems (UAS).	TCRF	9/1/2016	8/31/2017
Conkle (PI)	Quantifying and Characterizing the Mississippi River's Contribution of Microplastic Debris to the Gulf of Mexico.	NOAA Marine Debris Program	6/1/2016	10/31/2017
Conkle (PI)	Microplastics as Vectors for Pollutants in the Blue Crab, <i>Callinectes sapidus</i> .	PADI Foundation	4/1/2016	3/31/2017
Conkle (PI)	Environmental Assessment of Vegetation Management and Control Practices	USACE	11/15/2015	11/14/2016
Conkle (PI)	Pesticide Loading and Sediment Accumulation in Baffin Bay: Addressing an Important Stakeholder Concern Regarding the Bay's Health	TGLO	10/1/2015	3/1/2017
Hu (PI)	Evaluating Groundwater Exported Acidity in Copano Bay	TGLO	10/1/2016	3/31/2018
Hu (PI)	Ocean and Coastal Acidification Monitoring	CBBEP	11/1/2015	10/31/2016

Hu (PI)	Water Quality Monitoring of Mid-Coast Estuaries	TWDB	7/1/2014	12/30/2015
Hu (PI)	Identification of Organic Matter Sources Contributing to Hypoxia Formation in Two Eutrophic South Texas Estuaries: Relationships to Watershed Land Use Practices	TSG	2/1/2014	1/31/2016
Hu (PI)	Dynamics of Dissolved Inorganic Carbon and Dissolved Oxygen Following Natural or Man-made Petroleum Carbon Release into Marine Environments	GRI	12/1/2012	8/31/2016
Larkin, pending	Seagrass Conservation -- Assessing the Importance of Clonal Diversity	Harvey Weil Sportsman Conservationist Award	1/1/2017	4/30/2018
Larkin, pending	Assessing Small-Scale Clonal Diversity in the Seagrass <i>Halodule wrightii</i>	University Research Enhancement Award	1/1/2017	8/31/2017
Liu (PI), pending	Validation of GPM Precipitation Retrievals Under Different Precipitation Regimes Using Precipitation Features and Ground Validation (GV) Observations	NASA	1/1/2016	12/1/2019

Liu, <i>extension</i>	Geographical and Seasonal Distributions of Radar Profiles	Rockwell Collins Inc.	9/1/2016	8/31/2017
Liu (PI)	Global and Regional Variance in Size and Convective Intensity of Precipitation Systems from Space Borne Radar and Passive Microwave Observations	NASA	4/1/2016	3/1/2019
Liu (PI), <i>pending</i>	Climate Indicators of Fresh Water Storage Near the Coast of Gulf of Mexico	NASA	5/1/2015	4/1/2018
Liu (PI)	Understanding the Contributions from Thunderstorms and Electrified Shower Clouds to the Global Electric Circuit	NSF	9/1/2015	8/1/2018
Liu (PI)	Geographical and Seasonal Distributions of Radar Profiles	Rockwell Collins Inc.	10/1/2013	9/1/2016
Liu (PI)	Precipitation Features in the GPM Era: Development of a Long Record of the Precipitation Feature Database Using Multiple Satellite Observations	NASA	9/1/2013	8/1/2016

Mahdy (PI), Gibeaut, Coffin, Bridges, Starek	MRI: Development of an Integrated Gas Monitoring and Source Identification Unmanned Aircraft System for Exploration, Compliance and Assessment	NSF	9/1/2016	8/31/2019
Mclaughlin (PI)	Advancing a Societal Impact Assessment Framework for Oil and Gas Operations in the Northern Gulf of Mexico.	National Academy of Sciences	10/1/2016	9/30/2018
Mclaughlin (PI)	Creation of a Center for Coastal and Marine Ecosystems	NOAA	9/1/2016	8/31/2021
Mclaughlin (PI)	Improving Cooperation for a Sustainable Gulf of Mexico after the 2014 Mexican Energy Reforms	NSGLC	8/1/2015	7/1/2016
Mclaughlin (Co-PI)	Opportunities for Advancing Coastal and Ocean Monitoring and Conservation in Cuba Updating and Enhancing the Public Access Inventory – Phase III	Lounsbery Foundation	8/1/2015	7/1/2016
Mclaughlin (PI)	Updating and Enhancing the Public Access Inventory	TGLO	1/1/2015	12/31/2015
Mclaughlin (Co-PI)	Texas Coastal Management Program Section 309 Assessment and Strategies Report 2016-2020	Freese and Nichols Engineering	1/1/2014	12/1/2015

Mclaughlin (Co-PI)	Living with Sea-Level-Rise in the Greater Houston Area	Houston Endowment	8/1/2013	7/31/2016
Mclaughlin (PI)	Environmental Cooperative Sciences Center: A Regional Ecosystem Approach for the Conservation and Sustainable Management of Coastal and Marine Resources	NOAA	8/1/2012	7/31/2016
Montagna (PI)	The Effect of the Deepwater Horizon Oil Spill on Human Wellbeing in the Gulf of Mexico	GRP-NAS	9/1/2015	8/31/2016
Montagna (PI), Hu, Wetz	The Hydrological Switch: A Novel Mechanism Explains Eutrophication and Acidification of Estuaries	NOAA	9/1/2015	8/31/2018
Montagna (PI)	Freshwater Inflow Toolkit Project	Mitchell Foundation	9/1/2015	8/31/2016
Montagna (PI)	Freshwater Inflow Toolkit Project	TLL Temple Foundation	9/1/2015	8/31/2016
Murgulet (PI)	Evaluating Groundwater Inflow and Nutrient Transport to Texas Coastal Embayments	GLO	11/1/2015	10/31/2016

Murgulet (PI)	Evaluating Groundwater Surface-Water Inflow and Nutrient Transport to Texas Coastal Embayments	SeaGrant	11/1/2014	10/31/2016
Murgulet (PI)	Support for TMDL for Indicator Bacteria in Oso Creek-Work Order 18	TCEQ	9/1/2014	11/30/2015
Murgulet (PI)	Evaluating Groundwater Inflow and Nutrient Transport to Texas Coastal Embayments, Aquifer Storage and Recovery for Texas – A Research and Extension Initiative	Research Initiative	6/1/2014	12/31/2015
Shinoda (PI)	Improvement of MJO Simulation in NCEP Climate Forecast System: Upper Ocean and Air-Sea Coupled Processes	NOAA	8/1/2015	7/31/2018
Shinoda (PI)	Moisture Budget and Air-Sea Interaction Associated with Atmospheric Rivers in the Northeast Pacific: Observations and Climate Model Simulations	NSF	5/1/2014	4/30/2017
Silliman (PI)	Elementary Teachers Engaged in Authentic Math and Science (ETEAMS)	NSF	10/1/2013	9/30/2017

Tunnell (PI), Montagna	Environmental Cooperative Science Center: A Regional Ecosystem Approach for the Conservation and Sustainable Management of Coastal and Marine Resources	FAMU/NOAA	9/1/2015	8/31/2016
Wetz (PI), Hu (Co-PI)	Water Quality Monitoring of Mid-Coast Estuaries	TWDB	2/1/2016	8/31/2017
Wood	Dispersant Research	TGLO	9/1/2016	8/31/2017
Wood (PI), Withers	Reduction of Dispersed Oil Toxicity through the Synergistic Application of Hydrocarbon Digesting Microbial Solutions	TGLO	9/1/2015	8/31/2017
Xie (Co-PI)	Vertical Profiling of the Planetary Boundary Layer with Current and Future GNSS Radio Occultation Measurements	NASA JPL	4/28/2016	9/30/2017
Xie (PI)	Boundary Layer Cloud Entrainment Study with MODIS, MISR, CALIPSO, GPSRO, AMSR-E Measurements and Global Reanalysis	NASA	6/10/2014	9/30/2017
Xie (PI)	Advanced Retrieval of Cloudy Boundary Layer with MODIS, AMSR-E and GPS Radio Occultation's Direct and Reflected Measurements	NASA	8/1/2015	7/31/2017

Xie (PI)	Making Earth System Data Records for Use in Research Environments: A Data Record of the Cloudy Boundary Layer	NASA	8/1/2015	7/31/2017
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