

Dr. Hudson Robert Deyoe

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Education

PhD, Bowling Green State University, 1991

Major: Biological Sciences

MS, University of Vermont, 1981

Major: Botany

BS, Cornell University, 1977

Major: Biology

Other, Southampton College, 1975

Major: Marine Biology

Employment

Academic - Administrative Assignments

Academic - Administrative Assignments, Director, Coastal Studies Laboratory on South Padre Island, University of Texas Rio Grande Valley, (2015 - 2016)

Academic - Post-Secondary

Academic - Post-Secondary, Associate Director of School of Earth, Environmental and Marine Sciences, University of Texas Rio Grande Valley, (2017)

Academic - Post-Secondary, Professor, University of Texas Rio Grande Valley, (2009)

Publications

Book Chapters

Robert Lonard and Frank Judd and Hudson Deyoe and Richard Stalter. Biology and Ecology of the Supratidal Associate: *Conocarpus erectus* L.: A Review. Berlin: *Springer Nature*. (December)

Robert Lonard and Frank Judd and Hudson DeYoe and Richard Stalter. Biology of the mangal halophyte *Conocarpus erectus* L.: A review.. (January (1st Quarter/Winter))

Robert Lonard and Frank Judd and Hudson DeYoe and Richard Stalter. Biology and ecology of the halophyte *Laguncularia racemosa* (L.) Gaertn.f.: A review.. (January (1st Quarter/Winter))

Journal Article, Academic Journal

Joseph Kowalski and Kirk Cammarata and Hudson Deyoe. Metabolic responses of *Halodule wrightii* to hyposalinity.. (April (2nd Quarter/Spring))

Hudson Deyoe and Warren Pulich, Jr. and Melissa Luper and Ram Neupane and Carla Guthrie. Role of episodic freshwater inflow pulses on seagrass decline in the Lower Laguna Madre, Texas.. (March)

Joseph Kowalski and Kirk Cammarata and Hudson Deyoe. Metabolic responses of *Halodule wrightii* to hyposalinity.: *Aquatic Botany*. (February) 186, : 40-48.

<https://www.elsevier.com/journals/aquatic-botany/0304-3770/subscribe>

Hudson Deyoe and Warren Pulich and Melissa Luper and Ram Neupane and Carla Guthrie. Role of episodic freshwater inflow pulses on seagrass decline in the Lower Laguna Madre, Texas. .: *Estuaries and Coasts*. TBA, : TBA.

Frank Dirrigl and Anita Chavez and Jorge Venegas and Hudson Deyoe. Identifying Regional Sustainability and Environmental Issues: Adoption of an Interdisciplinary Charrette Approach.: *Planning Education and Research* . (August): 1-12.

Hudson Deyoe and Robert Lonard and Frank Judd and Richard Stalter and Ilka Feller. The Biological Flora of the Tropical and Subtropical Intertidal Zone- *Rhizophora mangle* L.: A Review.: *Journal of Coastal Research*. (February) 36, : 857-884.

<https://www.jcronline.org/>

Joseph Kowalski and Hudson Deyoe and Gilbert Boza Jr. and Donald Hockaday and Paul Zimba. A Comparison of Salinity Effects from Hurricanes Dolly (2008) and Alex (2010) in a Texas Lagoon System. Coconut Creek, Florida: *Journal of Coastal Research*. (June) 34, : 1429-1438.

Frank Judd and Robert Lonard and Kenneth Summy and Hudson Deyoe and Richard Stalter. The biological flora of coastal dunes and wetlands: *Avicennia germinans* (L.) L.. Coconut Creek, Florida: *Journal of Coastal Research*. (January (1st Quarter/Winter)) 33, : 191-207.

J Kowalski and Hudson Deyoe and T Allison. Flowering and seed production in the subtropical seagrass *Halodule wrightii* (Shoal Grass). : *Botanica Marina*. (June) 59, : 193-199.

Hudson Deyoe and J Kowalski. Range extension of the macroalgae *Anadyomene stellata* and re-appearance of *Caulerpa sertularioides* in the Lower Laguna Madre, Texas.: *The Southwestern Naturalist*. (August) 59, : 55-59.

T Palmer and P Montagna and J Pollack and R Kalke and Hudson Deyoe. The role of freshwater inflow in lagoons, rivers, and bays.: *Hydrobiologia*. 667, : 49-67.

J Kowalski and Hudson Deyoe and C Krull and T Allison. Comparison of leaf-clipping and leaf peering techniques as applied to the seagrass *Syringodium filiforme* (Kutz.): *Bulletin of Marine Science*. 85, : 212-226.

J Kowalski and Hudson Deyoe and T Allison. Seasonal Production and Biomass of the Seagrass *Halodule wrightii* Aschers. (Shoal Grass), in a Subtropical Texas Lagoon.: *Estuaries and Coasts*. 32, : 467-483.

Hudson Deyoe and E Buskey and F Jochem. Physiological Responses of *Aureoumbra lagunensis* and *Synechococcus* sp. to Nitrogen Addition in a Mesocosm Experiment.: *Harmful Algae*. 6, : 48-55.

J Kowalski and D Hockaday and G Boza Jr. and Hudson Deyoe. Re-occurrence of the tropical green macroalga, *Penicillus capitatus* (Chlorophyta: Byrpsidales), in Lower Laguna Madre of South Texas.: *Texas Journal of Science*. 59, : 305-310.

E Buskey and Hudson Deyoe and F Jochem and T Villarreal. Effects of mesozooplankton removal and ammonium addition on planktonic trophic structure during a bloom of the Texas "brown tide": a mesocosm study.: *Journal of Plankton Research*. 25, : 215-228.

Joseph Kowalski and Hudson Deyoe and Terry Allison and James Kaldy. Optimization of the leaf-clip technique and comparison of leaf-clip and leaf-marking techniques for productivity estimation in *Halodule wrightii* Aschers.: *Marine Ecology Progress Series*. (August) 220, : 131-136.

Hudson Deyoe and D Stockwell and R Bidigare and M Latasa and P Johnson and P Hargaves. Description and characterization of the algal species *Aureoumbra lagunensis* gen. et sp. nov. and referral of *Aureoumbra* and *Aureococcus* to the Pelagophyceae.: *Journal of Phycology*. (May) 33,

Hudson Deyoe and Amy Chan and Curtis Suttle. Phylogeny of *Aureococcus anophagefferens* and a morphologically similar bloom-forming alga from Texas as determined by 18S ribosomal RNA sequence analysis.: *Journal of Phycology*. 31, : 413-418.

Hudson Deyoe and Curtis Suttle. The inability of the Texas "brown tide" alga to use nitrate and the role of nitrogen in the initiation of a persistent bloom of this organism. : *Journal of Phycology*. 30, : 800-806.

Hudson Deyoe and Jane Marks and Rex Lowe. The effect of nitrogen and phosphorus on the endosymbiont load of *Rhopalodia gibba* and *Epithemia turgida* (Bacillariophyceae). : *Journal of Phycology*. 28, : 773-777.

Conference Proceedings

K Castillo-Villar and M Cabrera-Rios and Michael Persans and Hudson Deyoe. Engaging minority students in sustainable bioenergy and water quality through an education and research network.: *American Society for Engineering Education Annual Conference & Exposition*. (May)

Shireen Yousef and Kenneth Summy and Cristopher Little and Anxiu Kuang and Hudson Deyoe and James Everitt. Detection of Stressors in Glasshouse Crops Using Color Infrared Imagery: III. Effects of Salt Toxicity and Nutrient Deficiencies.

Hudson Deyoe and D Hinojosa-Kettekamp and J Carter and A Vasquez and Kenneth Summy. Quantifying Spatial Distribution of Wind Tidal Flat Cyanobacterial Mats Using Color Infrared Photography.

Kenneth Summy and Hudson Deyoe and J Everitt and M Davis. Use of Aerial Color Infrared Photography for Mapping the Distribution of Cyanobacterial Mats in Wind-Tidal Flats of the Lower Laguna Madre, Texas.

Media Contributions

TV

KRGV (July 20, 2023)

Contracts, Grants and Sponsored Research

Hudson Robert Deyoe and John A Breier. Contract Texas Water Development Board State , 107900\$ (August 2023 - February 2025)

Chu-Lin Cheng and Hudson Robert Deyoe and Engil Pereira and Juan Gonzalez and Maria Eugenia Diaz. Grant Families and University Together as a Unit for Research and Education (FUTURE): Connecting Hispanic Families to Geosciences Through Community Informal Learning Network NSF Federal , 314997\$ (October 2021 - October 2024)

Michael Persans and Hudson Deyoe. Grant BioEnergy And Water for Agriculture Research and Education 2 (BE AWARE 2) Network United States Department of Agriculture Hispanic Serving Institutions Program Federal ,

1000000\$ (January 2020 - August 2024)

Joanne Rampersad and Hudson DeYoe and Noe Vargas. Grant Facilitating Sustainable and Profitable Oyster Culture: Promoting Equity of Opportunities for Texas' Lower Laguna Madre. Texas Sea Grant State , 444034\$ (April 2021 - January 2024)

Hudson Deyoe and Augusto Sanchez-Gonzalez. Grant A Comprehensive, Stakeholder-Led Ecosystem Health Assessment for the Texas Coast to Prioritize Restoration Efforts Texas A&M Corpus Christi State , 20000\$ (March 2021 - September 2023)

Hudson Robert Deyoe. Contract Texas Beach Watch Program Texas General Land Office State , 98000\$ (August 2022 - August 2023)

Megan E Keniry and Michael W Persans and J. Andrew McDonald and Erin L Schuenzel and Hudson Robert Deyoe and Mirayda Torres Avila. Grant An Experiential Internship Program for Underrepresented Students in the Need Areas of Water for Agriculture, Food Safety and Childhood Obesity and Prevention (USDA 2016-38422-25760) USDA The University of Texas Rio Grande Valley , 213722\$ (August 2016 - August 2021)

Hudson Deyoe and Eberto Presas and Shelby Bessette. Contract Texas Beach Watch Program Texas General Land Office State , 95311\$ (August 2019 - August 2020)

Michael W Persans and Hudson Robert Deyoe. Grant BioEnergy And Water for Agriculture Research and Education (BE AWARE) Network United States Department of Agriculture Hispanic Serving Institutions Program Federal , 1000000\$ (August 2015 - August 2020)

John Breier and David Hicks and Hudson R DeYoe. Grant Developing a Predictive Ecological Model for the Lower Laguna Madre: Forecasting Ecosystem Shifts and Changes in Key Ecological Indicators Texas One Gulf- Center of Excellence Federal , 191372\$ (March 2016 - May 2018)

Hudson R DeYoe and . Contract Texas Beach Watch Program Texas General Land Office- Coastal Management Program State , 95310\$ (August 2016 - August 2017)

Hudson R DeYoe. Grant Establishing a Lower Rio Grande Valley Sustainability Network Research Coordination Network: Climate, Energy, Environment and Engagement in Semi-arid Regions State , 25000\$ (August 2014 - May 2017)

Hudson Robert Deyoe. Contract Modeled Inflow Validation and Nutrient Loading Estimation in Two Subwatersheds of the Lower Laguna Madre Texas General Land Office- Coastal Management Program State , 98440\$ (September 2013 - June 2016)

Hudson Robert Deyoe and F Salinas. Grant Advanced College Experience in the Biological Sciences U.S. Dept of Agriculture Federal , 150000\$ (August 2002 - August 2005)

Hudson Robert Deyoe and K Dunton. Grant Innovative tools for seagrass monitoring Texas Sea Grant Program Federal , 26437\$ (March 2002 - March 2004)

Hudson Robert Deyoe. Grant Drift algae dynamics and their role in seagrass bare patch development Coastal Conservation Association Foundation , 2100\$ (October 2000 - October 2001)

Presentations

Michael Persans and Hudson DeYoe."Development of Modular Algae Based Labs for the Community College, Undergraduate and Graduate Classrooms".Algae Technology and Education Consortium meeting , Algae Technology and Education Consortium, Virtual. (May 17, 2023)

Michael Persans and Hudson DeYoe."Development of Modular Algae Based Labs for the Community College, Undergraduate and Graduate Classrooms".Algae Technology and Education Consortium meeting , Algae Technology and Education Consortium, Virtual. (November 14, 2022)

Michael Persans and Hudson DeYoe."Development of Modular Algae Based Labs for the Community College, Undergraduate and Graduate Classrooms".Algae Technology and Education Consortium meeting , Algae Technology and Education Consortium, Virtual and in person in Portland Maine. (April 22, 2022)

Michael Persans and Hudson DeYoe."Development of Modular Algae Based Labs for the Community College, Undergraduate and Graduate Classrooms".Algae Technology and Education Consortium meeting , Algae Technology and Education Consortium, Virtual and in person in Portland Maine. (November 5, 2021)

Michael Persans and Hudson DeYoe."Development of Modular Algae Based Labs for the Community College, Undergraduate and Graduate Classrooms".Algae Technology and Education Consortium meeting , Algae Technology and Education Consortium, Virtual and in person in Portland Maine. (August 4, 2021)

Michael Persans and Krystel Castillo and Felix Roman and Hudson DeYoe."BioEnergy And Water for Agriculture Research and Education (BE AWARE 2) Network".USDA HSI Grant Program Project Directors Meeting, United States Department of Agriculture, Virtual Meeting. (March 3, 2021)

Michael Persans and Hudson DeYoe."ATEC presentation".Algae Technology and Education Consortium meeting , Algae Technology and Education Consortium, Virtual. (October 3, 2020)

Giovanina A Hinojosa and Laura M Chavez and Mauricio Pena and Alyssa Rodriguez and Jazmine Leija and Eric Shah and Brittany Schier and Megan Keniry and Hudson Deyoe and Michael Persans."Flow cytometry, lipid analysis, and fluorescence microscopy as tools to analyze microalgae for biofuel production".USDA HSI Program Managers meeting/American Association of Hispanics in Higher Education, American Association of Hispanics in Higher Education, Costa Mesa CA. (March 5, 2020)

Michael Persans and Eliezer Louzada and Hudson Deyoe and Erin Schuenzel and J. Andrew McDonald and Norman Barr and Deborah Thompson and Megan Keniry."USDA H.S.I. Program at UTRGV and TAMUK Citrus Center: Experiential Learning Program at Two Hispanic Serving Institutions on Water for Agriculture, Food Safety and Childhood Obesity & Prevention".USDA HSI Program Managers meeting/American Association of Hispanics in Higher Education, American Association of Hispanics in Higher Education, Costa Mesa CA. (March 5, 2020)

Ivy Hinson and Christopher A Gabler and Abdullah Faizur Rahman and Hudson Robert Deyoe."Developing near-water spectral sensing techniques for seagrass mapping and carbon storage estimates".Texas Sea Grant Research Symposium, NOAA Texas Sea Grant, College Station, TX. (April 9, 2019)

Giovanina A Hinojosa and Laura Chavez and Mauricio Pena and Alyssa Rodriguez and Jazmine Leija and Brittany Schier and Krystel Castillo and Hudson Robert Deyoe and Michael W Persans."Lipid analysis, confocal microscopy and flow cytometry as tools to analyze microalgae for maximal biofuel production".NIFA USDA-HSI Program Managers Meeting/ American Association of Hispanics in Higher Education Annual Meeting, USDA-HSI/American Association of Hispanics in Higher Education, Costa Mesa CA. (February 27, 2019)

Rosamarie Perdomo and John Garcia and Chu-Lin Cheng and Hudson Robert Deyoe."Hydrology, Water Chemistry & Biological Indicators Used To Assess Effects Of Treated Effluent On The Lower Laguna Madre".Gulf Estuarine Research Society Biennial Meeting , Gulf Estuarine Research Society (GERS), Galveston, TX. (November 8, 2018)

Laura Chavez and Britney Schier and Giovanina Hinojosa and Mauricio Pena and Alyssa Rodriguez and Evelyn Garcia and Andy Ly and Krystel Castillo and Hudson Robert Deyoe and Michael Persans."Towards a sustainable energy solution... optimizing neutral lipid production in algae".8th International Conference on Algal Biomass, Biofuels and Bioproducts Conference , Dept of Energy, Seattle, WA. (June 2018)

Brittany Schier and Laura Chavez and Mauricio Pena and Giovanina Hinojosa and Andy Ly and Evelyn Garcia and Alyssa Rodriguez and Krystel Castillo and Hudson Robert Deyoe and Michael W Persans."Modelling algae growth and lipid accumulation for biofuel production".8th International Conference on Algal Biomass, Biofuels and Bioproducts, Elsevier, Seattle WA. (June 11, 2018)

Laura Chavez and Brittany Schier and Mauricio Pena and Giovanina Hinojosa and Andy Ly and Evelyn Garcia and Alyssa Rodriguez and Jacob Wolfe and Krystel Castillo and Hudson Robert Deyoe and Michael W Persans."Towards a sustainable energy solution... optimizing neutral lipid production in algae".8th International Conference on Algal Biomass, Biofuels and Bioproducts, Elsevier, Seattle WA. (June 11, 2018)

Rosamarie Perdomo and Hudson Robert Deyoe and Chu-Lin Cheng and Eli Gonzalez and John Garcia."Water Chemistry & Isotopic signatures Used to Determine if Groundwater Transport of Treated Effluent Occurs".20th Lower Rio Grande Valley Annual Water Quality Management and Planning Conference, (May 17, 2018)

Rosamarie Perdomo and Hudson Robert Deyoe and Chu-Lin Cheng and Eli Gonzalez and John Garcia."Water Chemistry & Isotopic signatures Used to Determine if Groundwater Transport of Treated Effluent Occurs".2018 Engaged Scholars Symposium, UTRGV Office of Engaged Scholarship & Learning, (April 11, 2018)

Brittany Schier and Laura Chavez and Mauricio Pena and Giovanina Hinojosa and Andy Ly and Evelyn Garcia and Krystel Castillo and Michael W Persans and Hudson Robert Deyoe."Optimizing Algae Growth and Lipid Accumulation for Biofuel Production".Gulf Southwest Section 2018 Annual Conference, American Society For Engineering Education, Austin, TX. (April 4, 2018)

Claudia Pinon and John Garcia and Hudson Robert Deyoe and Kirk Cammaratta."Potential Impact of Wastewater Treatment-Derived Nutrients on Seagrass and Epiphyte Communities in the Lower Laguna Madre".SACNAS annual meeting, SACNAS, San Antonio, TX. (March 2018)

Ivy Hinson and Christopher A Gabler and Abdullah Faizur Rahman and Hudson Robert Deyoe."Developing near-water spectral sensing techniques for seagrass mapping and carbon storage estimates".NOAA 9th Biennial Education and Science Conference, Washington, DC. (March 26, 2018)

Ivy Hinson and Christopher A Gabler and Abdullah Faizur Rahman and Hudson Robert Deyoe."Developing near-water spectral sensing techniques for seagrass mapping and carbon storage estimates".UTRGV Graduate Research Symposium, Brownsville. (February 28, 2018)

William Quidilla and Hudson Robert Deyoe."Drainage system water: Does water quality change during transport?".Subtropical Agriculture & Environments Society Annual Meeting, Subtropical Agriculture & Environments Society , Weslaco, Tx. (February 2018)

Hudson Robert Deyoe and Warren Pulich, Jr.. "Nutrient Loading Dynamics from Freshwater Inflow Pulses ".Coastal and Estuarine Research Foundation biannual meeting, Coastal and Estuarine Research Foundation, Providence, RI. (November 2017)

Hudson Robert Deyoe and Warren Pulich."Evaluating a Seagrass Productivity Model for the Lower Laguna Madre. Gulf Estuarine Research Society meeting, Galveston, TX".Gulf Estuarine Research Society Bi-annual meeting, Gulf Estuarine Research Society, Galveston, TX. (November2017)

Rosa Perdomo and John Garcia and Edith Gonzalez and Chu-Lin Cheng and Hudson Robert Deyoe."Hydrology, Water Chemistry, and Biological Indicators Used to Assess the Effects of Treated Effluent on Unconfined Coastal Environments".Gulf Estuarine Research Society Bi-annual meeting, Gulf Estuarine Research Society, Galveston, TX. (November2017)

Brittany Schier and Evelyn Garcia and Laura Chavez and Andy Ly and Yanelley Cruz-Rivera and Krystel Castillo and Michael W Persans and Hudson Robert Deyoe and Mauricio Cabrera."Optimizing Algae Growth and Lipid Accumulation for Biofuel Production".USDA Hispanic Serving Institutions Program Manager's Meeting, United States Department of Agriculture, Albuquerque NM. (February 16, 2017)

Megan E Keniry and Michael W Persans and Hudson Robert Deyoe and Erin L Schuenzel and J. Andrew McDonald and Normann Barr and Deborah Thompson and Eduardo Martinez."USDA H.S.I. Program at UTRGV and TAMUK Citrus Center: Experiential Learning Program at Two Hispanic Serving Institutions on Water for Agriculture, Food Safety and Childhood Obesity & Prevention".USDA P.I. Meeting, USDA, Albuquerque. (February 16, 2017)

Hudson R DeYoe and Evan Schauer."Characterization of storm water and baseline runoff from the Lower Rio Grande Valley with focus on Brownsville and Arroyo Colorado drains. ".18th Annual Water Quality Management and Planning Conference, South Texas Stormwater Task Force, South Padre Island, TX. (May2016)

V Thomas and M Persans and Hudson Robert Deyoe."Use of seaweed to stimulate plant growth".70th Annual Meeting of Subtropical Agriculture and Environment Society, Subtropical Agriculture and Environment Society, Weslaco, Tx. (February2016)

E Quintero and E Schauer and Hudson Robert Deyoe."Characterization of stormwater and baseline runoff from the Lower Rio Grande Valley with focus on Brownsville and Arroyo Colorado drains".South Texas Stormwater Conference, South Texas Stormwater Taskforce, South Padre Island, TX.. (May2015)

Jungseok Ho and Hudson Robert Deyoe and Lee Clapp and Lucy Camacho and Elizabeth Heise."Binational Water Quality Monitoring in the Lower Rio Grande/Rio Bravo: Cooperative Efforts to Protect Vital Transboundary Water Resources".World Environmental & Water Resources Congress, EWRI, Austin, TX. (May2015)

D Huallpa and Hudson Robert Deyoe."Potential effects of destratification on the phytoplankton of the Arroyo Colorado".Texas Academy of Science Annual Meeting, Texas Academy of Science, Galveston, TX.2014)

E Schauer and D Huallpa and E Quintero and j Garcia and Hudson Robert Deyoe."Barge impacts on Arroyo Colorado water quality".Texas Academy of Science Annual Meeting, Texas Academy of Science, Galveston, TX. (March2014)

Hudson Robert Deyoe and J Kowalski and C Krull and T Allison."Seasonal production and biomass dynamics of the seagrass *Syringodium filiforme* Kützing in a subtropical lagoon".Coastal and Estuarine Research Foundation biannual meeting, Coastal and Estuarine Research Foundation, San Diego, CA. (November2013)

D Huallpa and E Quintero and E Schauer and Hudson Robert Deyoe."A novel approach to an environmental problem: Potential effects of destratification on the phytoplankton of the Arroyo Colorado".UTPA Undergraduate Research Conference, University of Texas Pan American, Edinburg, TX. (November2013)

A Maldonado and R Contreras and D Huallpa and P Flores and J Arriaga and M Villapondo and Hudson Robert Deyoe."Baseline study of a pre-montane Costa Rican stream".UTPA Undergraduate Research Conference, University of Texas Pan American, Edinburg, TX. (November2013)

C Gomez and J McDaniel and J Garcia and E Quintero and J Kowalski and Hudson Robert Deyoe."Seagrass abundance patterns in the Lower Laguna Madre".Texas Bays and Estuaries Meeting, Port Aransas, Texas. (April2013)

E Triplett and C Tamez and J Parsons and J Kowalski and Hudson Robert Deyoe."Variation in elemental composition of the seagrass *Halodule wrightii* from the Lower Laguna Madre".Texas Bays and Estuaries Meeting, Port Aransas, Texas. (April2013)

Peter Cerda and Yesenia Cerino and Marlon Duran and Esteban Triplett and Mike Persans and Hudson Robert Deyoe."Arsenic-induced stress indicators in the seagrass, *Thalassia testudinum*".Texas Academy of Science, Kerrville, Texas. (March2013)

Heather Hernandez and Ana Navarro and Mike Persans and Hudson Robert Deyoe."Enhancement of lipid production of the marine green microalgae *Nannochloris* sp.".Texas Academy of Science , Kerrville, Texas. (March2013)

Diana Huallpa and Hudson Robert Deyoe."Potential effects of destratification of the phytoplankton of the Arroyo Colorado".Texas Academy of Science, Kerrville, Texas. (March2013)

Wendy Rogers and Hudson Robert Deyoe."San Martin Lake: Loved by many, studied by few".Texas Academy of Science, Kerrville, Texas. (March2013)

Carmen Gomez and Jack McDaniel and Hudson Robert Deyoe and John Garcia and Edwin Quintero and Joseph Kowalski."Seagrass abundance patterns in the Lower Laguna Madre".Texas Academy of Science, Kerrville, Texas.

(March2013)

Edwin Quintero and Joseph Kowalski and Hudson Robert Deyoe."Seagrass epiphyte biomass patterns in the Lower Laguna Madre".Texas Academy of Science, Kerrville, Texas. (March2013)

John Garcia and Esteban Triplett and Mark Besonen and Joseph Kowalski and Hudson Robert Deyoe."Sediment grain size patterns in the Lower Laguna Madre".Texas Academy of Science, Kerrville, Texas. (March2013)

Xenia B Gonzalez and Carmen Gomez and Isaac Pena and Jack McDaniel and Dennis Lee and Aegean Castaneda and Hudson Robert Deyoe and Joseph L Kowalski."Primary productivity in the Lower Laguna Madre and Arroyo Colorado".Texas Academy of Science annual meeting, Kerrville, Texas. (March2013)

W Pulich and Hudson Robert Deyoe."Plant Indicators of Hydrologic Regimes in the Rio Grande/Rio Bravo Estuary".Binational Border Water Resources Summit, International Border Water Commission, El Paso, TX. (September2012)

Marlon Duran and Michael Persans and Hudson Robert Deyoe."Arsenic as a stressor of the seagrass *Thalassia testudinum*".Texas Academy of Science, Alpine, Texas. (March2012)

Tyler Murray and Hudson Robert Deyoe."Nitrogen leaching from a wind-tidal flat cyanobacterial mat community".Texas Academy of Science, Alpine, Texas. (March2012)

Peter Cerda and Hudson Robert Deyoe."Nutrient Removal of a Constructed Treatment Wetland in the Rio Grande Valley".Texas Academy of Science, Alpine, Texas. (March2012)

Danielle Garza and Joseph Kowalski and Hudson Robert Deyoe."Potential competitive interactions between the seagrass *Thalassia testudinum* and the rhizophytic alga *Penicillus capitatus* in the Laguna Madre of Texas: Year two".Texas Academy of Science, Alpine, Texas. (March2012)

Marco Ramos and Hudson Robert Deyoe and Joseph Kowalski."Primary productivity in the Lower Laguna Madre and Arroyo Colorado, Texas".Texas Academy of Science, Alpine, Texas. (March2012)

Warren Pulich and Hudson Robert Deyoe."Tracing nitrogen from the Arroyo Colorado into the Lower Laguna Madre".Texas Academy of Science, Alpine, Texas. (March2012)

Hudson Robert Deyoe and J. Andrew McDonald and Robert Edwards and Timothy Brush and Frank Judd and Frederic Zaidan and B L Fredensborg and D Hicks."Invasive species of the Rio Grande Valley: an Overview".Center for Subtropical Studies First Conference in Subtropical Biology, (January2012)

Hudson Robert Deyoe and Andrew McDonald and Robert Edwards and Tim Brush and Frank Judd and Fred Zaidan and Robert Lonard."Exotic Invasive Species of South Texas: An overview".Subtropical Biology Conference, Center for Subtropical Studies, Edinburg, Texas. (January2012)

Joseph Kowalski and Hudson Robert Deyoe and Gilbert Boza Jr. and Don Hockaday."Post-hurricane effects of Hurricanes Dolly (2008) and Alex (2010) on the Lower Laguna Madre of Texas".Subtropical Biology Conference, Center for Subtropical Studies, Edinburg, Texas. (January2012)

Hudson Robert Deyoe and Joseph Kowalski and Christian Krull and Terry Allison."Seasonal production and biomass of the seagrass *Syringodium filiforme* Kutzing in a subtropical Texas lagoon".Coastal and Estuarine Research Federation, Daytona Beach, FL. (November2011)

Joseph Kowalski and Hudson Robert Deyoe."The effects of freshwater discharge on the Lower Laguna Madre following landfall of Hurricane Alex".Coastal and Estuarine Research Federation, Daytona Beach, FL. (November2011)

Warren Pulich and Hudson Robert Deyoe."Application of hydrodynamic modeling techniques to assess water quality effects on Lower Laguna Madre, Texas seagrasses".Coastal and Estuarine Research Federation, Daytona Beach, FL. (October2011)

Brian L Fredensborg and German Riojas and Thomas Eubanks and Alondra Hernandez and Flor A Sandoval and Steven Luther and Ramiro Garza and Hudson Robert Deyoe and Frank Dirrigl Jr. and Jason Parsons and Michael W Persans and Kristine Lowe."Distribution and pathways of arsenic in a hypersaline estuary".Ecological Society of America, Austin, Texas. (August2011)

Paul Duke and Hudson Robert Deyoe."Characterization of nutrient load in the Arroyo Colorado and drains".Texas Academy of Science, Austin, Texas. (March2011)

Tyler Murray and Joshua Perez and Joseph Kowalski and Hudson Robert Deyoe."Competition between the algae *Penicillus capitatus* and the seagrass *Thalassia testudinum*".Texas Academy of Science, Austin, Texas. (March2011)

Victoria Brown and Justine Zoe Gapayao and Eliezer Antonio Gracia and Aaron S Barreiro and Natasha Mitra and Liana Garza and Hudson Robert Deyoe and Joseph Kowalski."Nutrient limitation of phytoplankton in the Brazos-Santiago Pass, South Padre Island".Texas Academy of Science, Austin, TX. (March2011)

Irwin Mendoza and Hudson Robert Deyoe."Plankton primary productivity of the tidal segment of the Rio Grande, TX".Texas Academy of Science, Austin, TX. (March2011)

Joseph L Kowalski and Hudson Robert Deyoe."Post hurricane Alex effects on the physicochemical conditions of the Lower Laguna Madre".Texas Academy of Science, Austin, Texas. (March2011)

Hudson Robert Deyoe and Joseph L Kowalski."Post-hurricane Alex effects on phytoplankton primary production of the Lower Laguna Madre".Texas Academy of Science, Austin, Texas. (March2011)

Eliezer Antonio Gracia and Aaron S Barreiro and Victoria Brown and Justine Zoe Gapayao and Natasha Mitra and Liana Garza and Hudson Robert Deyoe and Joseph Kowalski."Primary productivity in the Lower Laguna Madre, Texas from Port Mansfield to the Gulf of Mexico".Texas Academy of Science, Austin, TX. (March2011)

Jessica M Montemayor and Hudson Robert Deyoe."Seasonal and spatial variability of bacteria levels in the Lower Rio Grande".Texas Academy of Science, Austin, TX. (March2011)

Flor Sandoval and Elliot Chavez and Steven D Luther and Yessica E Cerino and Michelle J Lo and Hudson Robert Deyoe and Jason G Parsons and Michael Persans."Survey of heavy metal and metalloid content of the seagrass *Thalassia testudinum* in the Lower Laguna Madre, Texas".Texas Academy of Science, Austin, TX. (March2011)

Darlene Flores and Hudson Robert Deyoe."Synoptic survey of water and sediment quality of the Lower Laguna Madre, TX".Texas Academy of Science, Austin, Texas. (March2011)

Aaron S Barreiro and Eliezer Antonio Gracia and Victoria Brown and Justine Zoe Gapayao and Natasha Mitra and Liana Garza and Hudson Robert Deyoe and Joseph Kowalski."Water column chlorophyll decrease as an indicator of filtering capacity of the Eastern Oyster, *Crassostrea virginica*".Texas Academy of Science, Austin, Texas. (March2011)

Analicia Solis and Hudson Robert Deyoe."A technique to more accurately measure metabolic rates of seagrass".Texas Academy of Science, Stephenville, Texas. (March2010)

Sebastian Garcia and Daniella Diaz and Chloe Veron and Nicolas Jones and Hudson Robert Deyoe and Joseph Kowalski."Nutrient limitation of phytoplankton in the Brazos-Santiago Pass, South Padre Island, Texas".Texas Academy of Science, Stephenville, Texas. (March2010)

Oliver Ostorga and Hudson Robert Deyoe."Observing salinity stress in freshwater plankton".Texas Academy of Science, Stephenville, Texas. (March2010)

Nicolas Jones and Hudson Robert Deyoe and Joseph Kowalski."Potential competitive interactions between the seagrass *Thalassia testudinum* and the alga *Penicillus capitatus* in a subtropical Texas Lagoon".Texas Academy of Science, Stephenvill, Texas. (March2010)

Daniella Diaz and Sebastian Garcia and Chloe Veron and Nicolas Jones and Hudson Robert Deyoe and Joseph Kowalski."Primary productivity in the Lower Laguna Madre from Port Mansfield to the Gulf of Mexico".Texas Academy of Science, Stephenville, Texas. (March2010)

Joseph Kowalski and Hudson Robert Deyoe."Salinity recovery in the Lower Laguna Madre of Texas following Hurricane Dolly".Texas Academy of Science, Stephenville, Texas. (March2010)

Jessica M Montemayor and Hudson Robert Deyoe."Temporal and spatial variability in the abundance of *Eshcherichia coli*, *Enterobacteriaceae* and other bacteria in the Lower Rio Grande, Texas".Texas Academy of Science, Stephenville, Texas. (March2010)

Chloe Veron and Daniella Diaz and Sebastian Garcia and Nicolas Jones and Hudson Robert Deyoe and Joseph Kowalski."Trawling vertebrates and invertebrates: A diversity comparison within the Lower Laguna Madre, Texas".Texas Academy of Science, Stephenville, Texas. (March2010)

Michael Persans and Hudson Robert Deyoe and Natalie Mejia and Ammie Ortiz."Stress detection in the seagrass *Thalassia testudinum*".Coastal and Estuarine Research Federation National/Internation Conference, Portland, OR. (November2009)

T H Whelan III and Hudson Robert Deyoe and K R Summy and M Persans and D Hockaday."Effects of Decreased Salinity on Spectral Reflectance in *Thalassia testudinum*".Coastal and Estuarine Research Federation National/International Conference, Portland, OR. (November2009)

Warren Pulich and Hudson Robert Deyoe and Joseph Kowalski."Hydrographic and ecological characterization of the Rio Grande estuary of Texas".Coastal and Estuarine Research Federation National/International Conference, Portland, OR. (November2009)

Jessica Montemayor and Javier Reynoso and Gamiel Garza and Erika Rodriguez and Leo Saldana and Michelle Cox and Hudson Robert Deyoe."A long-term water quality dataset for the Lower Rio Grande/Rio Bravo".Texas Academy of Science, Junction, TX. (March2009)

Priscilla Saenz and Barbara Garza and Javier Reynoso and Dora Cedillo and Antonio Villarreal and Christian Garcia and Ruben Trevino and Erin Bieberbach and Hudson Robert Deyoe and Thomas Whelan."Bahia Grande Water Quality, 2005-2008".Texas Academy of Science, Junction, Texas. (March2009)

Natali Mejia and Ammie Ortiz and Maria Silva and Michael Persans and Hudson Robert Deyoe."Oxidative stress in the seagrass *Thalassia testudinum* induced by lowered salinity using simulated and natural hurricanes".Texas Academy of Science, Junction, TX. (March2009)

Ammie Ortiz and Maria Silva and Natalie Mejia and Michael Persans and Hudson Robert Deyoe."Use of PAM fluorometry to detect stress in the seagrass *Thalassia testudinum*".Texas Academy of Science, Junction, TX.

(March2009)

Joseph Kowalski and Hudson Robert Deyoe and Carla Gunthrie."Water quality of the tidally influenced segment of the Lower Rio Grande".Texas Academy of Science, Junction, TX. (March2009)

N Pardo and Hudson Robert Deyoe."Nutrient limitation and productivity of the phytoplankton in the Lower Laguna Madre, Texas".Phycological Society of America, New Orleans, LA. (July2008)

N Pardo and Hudson Robert Deyoe."Nutrient limitation of phytoplankton in the Lower Laguna Madre, Texas".Texas Bays and Estuaries meeting, Port Aransas, TX. (April2008)

D Cedillo and A Villarreal and C Garcia and R Trevino and E Bieberbach and Hudson Robert Deyoe."Bahia Grande Water Quality, 2005-2007".Texas Academy of Science, Corpus Christi, TX. (March2008)

Natali Mejia and Fritzie J Into and Jacqueline D Bruce and Anna Martinez and Thomas Whelan III and Hudson Robert Deyoe and Michael Persans."Monitoring oxidative stress induced by lower salinity and heavy metals in turtle grass (*Thalassia testudinum*) in the Lower Laguna Madre, Texas, USA".Texas Academy of Science, Corpus Christi, TX. (March2008)

N Pardo and Hudson Robert Deyoe."Nutrient limitation and productivity of phytoplankton in the Lower Laguna Madre, Texas".Texas Academy of Science, Corpus Christi, TX. (March2008)

P Requenez and Hudson Robert Deyoe and J L Kowalski."Production and biomass dynamics of the seagrass, *Halodule wrightii* in the Lower Laguna Madre, Texas".Texas Academy of Science, Corpus Christi, TX. (March2008)

Hudson Robert Deyoe and Joseph Kowalski."Production and biomass dynamics of the seagrass, *Thalassia testudinum* in the Lower Laguna Madre, Texas".Texas Academy of Science, Corpus Christi, TX. (March2008)

Fritzie J Into and Natali Mejia and Ana Santacruz and Jacqueline D Bruce and Anna Martinez and Thomas Whelan III and Michael W Persans and Hudson Robert Deyoe."Use of enzymatic assays for superoxide dismutase and catalase activity to assess oxidative stress induced by lowered salinity and heavy metals in turtle grass (*Thalassia testudinum*) in the Lower Laguna Madre Texas USA".Texas Academy of Science, Corpus Christi, TX. (March2008)

A Gutierrez and N Prado and Hudson Robert Deyoe and Kenneth Summy and J H Everitt and R Fletcher and M R Davis."Comparison of spectral reflectance by red and black mangrove in coastal areas of southern Texas".Annual Meeting of the Rio Grande Valley Horticultural Society, Weslaco, TX. (January 30, 2008)

Kenneth Summy and Hudson Robert Deyoe and Ruben Alberto Mazariegos Alfaro and D Hinojosa-Kettlekamp and C Garcia and J H Everitt and M R Davis."Detection and mapping of cyanobacterial mats in tidal flats of southern Texas using high-resolution multispectral imagery".21st Annual Workshop on Aerial Photography, Videography, and High Resolution Digital Imagery for Resource Assessment, Terra Haute, IN. (May 15, 2007)

A Villarreal and Hudson Robert Deyoe."Grazing efficiencies of three marine snails, *Littorina irrorata*, *Anachis avara*, *Bulla striata* from the Lower Laguna Madre, Texas".Texas Academy of Science, Waco, TX. (March2007)

J L Kowalski and D L Hockaday and G H Boza and Hudson Robert Deyoe."Re-discovery of the tropical green macroalga, *Penicillus capitatus* Lamarck (Chlorophyta: Bryopsidales), Lower Laguna Madre, Texas".Texas Academy of Science, Waco, TX. (March2007)

Hudson Robert Deyoe and R Trevino and E Beiberbach and A Villarreal."Water quality in the Bahia Grande following restoration of tidal flow".Texas Academy of Science, Waco, TX. (March2007)

Hudson Robert Deyoe and T Whelan III and E Beiberbach and R Trevino and A Villarreal and C Martinez."Water and sediment quality in a restored shallow marine system, the Bahia Grande of South Texas".3rd National Conference on Coastal and Estuarine Habitat Restoration, New Orleans, LA. (December2006)

R Trevino and T Whelan and Hudson Robert Deyoe."A comparison of pore water ammonium levels between vegetated and unvegetated sediments".Texas Academy of Science, Beaumont, TX. (March2006)

J C Luna and C Martinez and T Whelan III and Hudson Robert Deyoe."Bahia Grande restoration: Interim sediment results, 2005".Texas Academy of Science, Beaumont, TX. (March2006)

Hudson Robert Deyoe and J Kowalski."Effect of sediment nutrient additions on seagrass growth in oligotrophic and eutrophic areas of the Lower Laguna Madre, Texas".Texas Academy of Science, Beaumont, TX. (March2006)

E Beiberbach and R Trevino and A Villarreal and Hudson Robert Deyoe and T Whelan III."Water quality early in the restoration of the Bahia Grande".Texas Academy of Science, Beaumont, TX. (March2006)

Hudson Robert Deyoe and O Dunder."Use of the macroalgae *Laurencia poiteau* as an indicator of nutrient enrichment in a Texas subtropical lagoon".Estuarine Research Federation, Norfolk, VA. (October2005)

S Yousef and Kenneth Summy and C R Little and Anxiu Kuang and Hudson Robert Deyoe and J H Everitt."Detection of Stressors in Glasshouse Crops Using Color Infrared Imagery: III Effects of Salt Toxicity and Nutrient Deficiencies".20th Biennial Workshop on Aerial Photography, Videography, and High Resolution Digital Imagery for Resource Assessment, American Society of Photogrammetry and Remote Sensing, Weslaco, TX. (October 4, 2005)

Hudson Robert Deyoe and D Hinojosa-Kettlekamp and J Carter and A Vasquez and Kenneth Summy."Quantifying Spatial Distribution of Wind Tidal Flat Cyanobacterial Mats Using Color and Color Infrared Photography".20th

- Biennial Workshop on Aerial Photography, Videography, and High Resolution Digital Imagery for Resource Assessment, American Society of Photogrammetry and Remote Sensing, Weslaco, TX. (October 4, 2005)
- Hudson Robert Deyoe and J Kowalski."Preliminary observations of a seagrass fertilization experiment in the Lower Laguna Madre".Bays and Estuaries meeting, Port Aransas, TX. (April2005)
- S Yousef and Kenneth Summy and C R Little and Anxiu Kuang and Hudson Robert Deyoe."A Comparison of Spectral Changes Occuring in Cucumber Plants Exposed to Four Salinity Levels". 104th Annual Meeting of the Texas Academy of Science, Edinburg, TX. (April 9, 2005)
- Hudson Robert Deyoe and B Sanders and R Trevino and L Saldana."A baseline diurnal study on the lower Rio Grande, TX".Texas Academy of Science, Edinburg, TX. (March2005)
- Hudson Robert Deyoe and J Kowalski and T Whelan III."Killing seagrass with drift algae: How long does it take?".Texas Academy of Science, Edinburg, TX. (March2005)
- R Trevino and Hudson Robert Deyoe."Refinements of a sediment chlorophyll assay".Texas Academy of Science, Edinburg, TX. (March2005)
- E Beiberbach and Hudson Robert Deyoe and J Kowalski."Seagrass biomass and growth differences between oligotrophic and eutrophic areas of the Lower Laguna Madre, TX".Texas Academy of Science, Edinburg, TX. (March2005)
- C Allen Gilpin and Hudson Robert Deyoe."Comparison of epiphytic diatom communities on marine seagrass Halodule wrightii in the Lower Laguna Madre below sewage outfall".Texas Academy of Science, Kerrville, TX. (March2004)
- Hudson Robert Deyoe and D Camacho and T Whelan III and J Kowalski."Effect of drifting seaweed on seagrass survival in the Laguna Madre, TX".Texas Academy of Science, Kerrville, TX. (March2004)
- L Saldana and Hudson Robert Deyoe."Epiphyte load on artificial seagrass blades in the Laguna Madre, TX".Texas Academy of Science, Kerrville, TX. (March2004)
- D Camacho and T Whelan III and Hudson Robert Deyoe and M Cotta Goma."Hydrogen sulfide in pore waters of a Thalassia testudinum meadow in the Lower Laguna Madre".Texas Academy of Science, Kerrville, TX. (March2004)
- M Cotta Goma and T Whelan III and D Camacho and Hudson Robert Deyoe."Physiological responses of Thalassia testudinum to trace metal exposure".Texas Academy of Science, Kerrville, TX. (March2004)
- J Y Yoshida and T Reynoso and T Whelan and M Cotta Goma and Hudson Robert Deyoe."Trace metals in epiphytes associated with Thalassia testudinum leaves".Texas Academy of Science, Kerrville, TX. (March2004)
- O Dundar and Hudson Robert Deyoe."Use of tissue nutrient content of the macroalga Laurencia poiteau to detect eutrophication in the Laguna Madre, TX".Texas Academy of Science, Kerrville, TX. (March2004)
- K R Summy and Hudson Robert Deyoe and J H Everitt and M R Davis."Use of aerial color infrared imagery for mapping the spatial distribution of cyanobacterial mats on wind tidal flats of the Lower Laguna Madre, Texas".19th Biennial Workshop on Color Photography, Videography and Airborne Imaging for Resource Assessment, Logan, UT. (October2003)
- Kenneth Summy and Hudson Robert Deyoe and J H Everitt and M R Davis."Use of Aerial Color Infrared Photography for Mapping the Spatial Distribution of Cyanobacterial Mats in Wind-Tidal Flats of the Lower Laguna Madre, Texas".19th Biennial Workshop on Color Photography and Videography and Airborne Imaging for Resource Assessment, American Society for Photogrammetry and Remote Sensing, Logan, UT. (October 6, 2003)
- Hudson Robert Deyoe and T Whelan III and K R Summy."Quantification of cyanobacterial mats: From chlorophyll analysis to remote sensing".Gulf Estuarine Research Society, Port Aransas, TX. (April2003)
- Hudson Robert Deyoe and T Whelan III and K R Summy."Wind tidal flat algal mats: Their importance and quantification".Texas Academy of Science, Nacogdoches, TX. (March2003)
- K R Summy and R Mazariegos and R Lonard and F Judd and Hudson Robert Deyoe.13th Annual Texas GIS Forum and Training Conference, Austin, TX. (February2003)
- Kenneth Summy and Hudson Robert Deyoe and Thomas Whelan."Detection of Cyanobacterial Algal Mats Using Remotely Sensed Imagery".Annual Meeting of the Texas Academy of Science, Nacogdoches, TX. (February 27, 2003)
- Kenneth Summy and Ruben Alberto Mazariegos Alfaro and R Lonard and F Judd and Hudson Robert Deyoe."Remote Sensing- GIS Research at the University of Texas-Pan American".13th Annual Texas GIS Forum and Training Conference, Universit of Texas, Austin, TX. (February 3, 2003)
- Hudson Robert Deyoe and J Kowalski and C Onuf."Spatial and temporal characterization of drifting macroalgae in a subtropical Texas lagoon".Botany 2002 Meeting, Madison, WI.2002)
- Hudson Robert Deyoe."Probing a long-term water quality dataset for the lower Rio Grande/Rio Bravo".Texas Academy of Science Annual Meeting, Texas Academy of Science, Laredo, TX.2002)

- Hudson Robert Deyoe and P Montagna."Effect of freshwater inflow on the lower Rio Grande".Texas Academy of Science Annual Meeting, Texas Academy of Science, Laredo, TX. (March2002)
- Hudson Robert Deyoe."River plankton and water quality of the Lower Rio Grande/Rio Bravo, Texas, USA".55th Phycological Society of America meeting, Phycological Society of America,2001)
- Hudson Robert Deyoe and L Cerrate-Reinoso."Nutrient competition between two microalgae".Texas Academy of Science Annual Meeting, Texas Academy of Science, San Marcos, TX. (March2001)
- Hudson Robert Deyoe and E Buskey and F Jochem and T Villarreal."Effect of nitrogen addition on a mixed species phytoplankton bloom".54th Phycological Society of America meeting, Phycological Society of America, (July2000)
- Hudson Robert Deyoe and J Kowalski and C Gilpin and C Pederson and T Allison."Epiphyte load on artificial seagrass leaves in the vicinity of sewage treatment plant outfalls".Texas Academy of Science Annual Meeting, Texas Academy of Science, Kingsville, TX. (March2000)
- Hudson Robert Deyoe and C Guajardo and M Cox and G Schlaefer."Water quality and phytoplankton of the lower Rio Grande upstream and downstream of an urban area".Texas Academy of Science Annual Meeting, Texas Academy of Science, Kingsville, TX. (March2000)
- E Buskey and Hudson Robert Deyoe and F Jochem and T Villareal and C Hyatt and L Hyde."Effects of mesozooplankton removal on trophic structure during a bloom of the Texas "brown tide": a mesocosm study".American Society of Limnologists and Oceanographers meeting, American Society of Limnologists and Oceanographers, (January2000)
- Hudson Robert Deyoe."Ammonium uptake in *Aureoumbra lagunensis*, the Texas brown tide alga".XVI International Botanical Congress, International Botanical Congress, St Louis, Missouri. (August1999)
- Hudson Robert Deyoe."Wind tidal flat algal mats in south Texas: Who Cares? ".Lower Laguna Madre Foundation Education Day, Lower Laguna Madre Foundation, Brownsville, TX. (December1997)
- Hudson Robert Deyoe."Physiology and phylogeny of the Texas brown tide alga".Bigelow Laboratory for Ocean Sciences, West Boothbay Harbor, Maine. (April1996)
- Hudson Robert Deyoe."Unusual nitrogen pathways of two algae".University of Texas Pan American, Edinburg, TX. (February1996)
- Hudson Robert Deyoe."The possible role of a natural nitrogen input in the initiation of the Texas brown tide".EPA Coastal Technology Transfer Conference, U.S. Environmental Protection Agency, New Orleans, LA.1995)
- Hudson Robert Deyoe."Nitrogen as a factor in the initiation of the Texas brown tide and the role of the Corpus Christi Bay National Estuary Program".Gulf of Mexico Program Symposium, Corpus Christi Bay National Estuary Program, Corpus Christi, TX.1995)
- Hudson Robert Deyoe and C Suttle."A persistent bloom-forming alga that cannot use nitrate-nitrogen".6th Annual South Texas Bays and Estuaries Meeting, University of Texas Marine Science Institute, Port Aransas, TX.1994)
- Hudson Robert Deyoe."A persistent bloom-forming alga that cannot use nitrate-nitrogen".Joint meeting of Phycological Soc. Am./Am. Soc. Limnol. Oceanog, Phycological Soc. Am./Am. Soc. Limnol. Oceanog, Miami, FL.1994)
- Hudson Robert Deyoe and A Chan and C Suttle."Phylogeny of *Aureococcus anophagefferens* and a morphologically similar bloom-forming alga from Texas as determined by 18S rDNA sequence analysis".Joint meeting of Phycological Soc. Am./Am. Soc. Limnol. Oceanog, Phycological Soc. Am./Am. Soc. Limnol. Oceanog, Miami, FL.1994)
- Hudson Robert Deyoe."The Texas "brown tide" alga: Its inability to use nitrate-nitrogen and further comparisons with the east coast "brown tide" alga (*Aureococcus anophagefferens*). ".University of Texas Marine Science Institute, Port Aransas, TX.1993)
- Hudson Robert Deyoe."The effect of light intensity on the photosynthetic apparatus of the endosymbiont of *Rhopalodia gibba*".Phycological Society of America Annual Meeting, Phycological Society of America, College Park, Md.1990)
- Hudson Robert Deyoe and G Bullerjahn."Confirmation of the cyanobacterial nature of the endosymbiont of *Rhopalodia gibba* and the effect of nitrate-nitrogen on the presence of the endosymbiont".Phycological Society of America Annual Meeting, Phycological Society of America, Toronto, Canada.1989)
- Hudson Robert Deyoe."Algal seasonal succession in eutrophic Shelburne Pond, VT".University of Vermont, Burlington, VT.1981)

Teaching

Directed Student Learning

Undergraduate Supervised Research,Donavuan Salazar. Effect of hyposalinity on seaweeds of the Lower Laguna Madre, Biology (UTPA). (January 15, 2023)

Master's Thesis Committee Chair,Nathaniel Garza. Habitat preference of the Pinfish in the Lower Laguna Madre, School of Earth, Environmental, and Marine Sciences. (January 15, 2019)

Master's Thesis Committee Chair,Nathaniel Garza. Seagrass preference of the Pinfish in the Lower Laguna Madre, School of Earth, Environmental, and Marine Sciences. (January 15, 2019)

Master's Thesis Committee Chair,Nathaniel Garza. Seagrass preference by fish, (September 1, 2018)

Master's Thesis Committee Chair,Nicole Laas. Seagrass bare patch dynamics, (March 1, 2017)

Dissertation Committee Member,Joseph Kowalski. Combined effects of hyposalinity and nutrient loading on the seagrass, *Halodule wrightii*, (September 2016)

Undergraduate Supervised Research,Belinda Pina. Finding the Right Conditions for a Black Mangrove Restoration Project, Biology (UTPA). (September 15, 2019 - August 31, 2020)

Supervised Teaching Activity,Edith Gonzalez. Impact of nutrient loading on seagrass epiphyte composition, School of Earth, Environmental, and Marine Sciences. (June 15, 2018 - January 15, 2020)

Supervised Teaching Activity,Rosamarie Perdomo. School of Earth, Environmental, and Marine Sciences. (September 1, 2017 - July 31, 2019)

Master's Thesis Committee Chair,Nicole Laas. School of Earth, Environmental, and Marine Sciences. (August 8, 2017 - May 15, 2019)

Master's Thesis Committee Chair,John Garcia. Ecological implications of eutrophication from nutrient loading and its influence on seagrass beds, School of Earth, Environmental, and Marine Sciences. (January 1, 2017 - May 15, 2019)

Master's Thesis Committee Chair,Maria Mejia. Mangrove dynamics at South Padre Island, Biology (UTPA). (September 1, 2015 - September 15, 2018)

Master's Thesis Committee Chair,Wendy Rogers. San Martin Lake: Nutrient load to the Lower Laguna Madre, Biology (UTPA). (September 1, 2013 - August 31, 2018)

Undergraduate Supervised Research,William Quidilla. Nutrient dynamics in LRGV drainage system, Biology (UTPA). (January 1, 2015 - December 15, 2017)

Undergraduate Supervised Research,Vanessa Thomas. Seaweed as a soil conditioner to enhance plant growth, Biology (UTPA). (January 1, 2016 - December 1, 2017)

Undergraduate Supervised Research,Arturo Arriaga. Evaluation of nanofibers as a biofouling inhibitor, Biology (UTPA). (September 1, 2016 - December 15, 2016)

Service

Department Service

Other, UTRGV Herbarium (January 15, 2023)

Other, LRGV Environmental Summit (October 15, 2021)

Committee Member, Texas General Land Office Technical Advisory Committee (February 1, 2021)

Committee Member, Region 15 Flood Planning Group (January 1, 2021)

Committee Co-Chair, Marine Biology Program Committee (September 1, 2020)

Committee Chair, Policy Committee (November 1, 2015)

Other, Oversee the operations of the herbarium and enhance its use (March 1, 2023 - August 31, 2026)

Committee Member, Marine Biology Program (September 1, 2019 - August 31, 2023)

Committee Member, Biology Collections Committee (March 15, 2021 - August 31, 2022)

Faculty Advisor, Marine biology program coordination (September 1, 2017 - August 31, 2019)

Committee Chair, Tenure & Promotion Guidelines Committee (January 15, 2017 - August 31, 2019)

Committee Member, Faculty Search Committee (September 1, 2016 - May 31, 2017)

College Service

Committee Member, COS Curriculum committee (September 2019 - May 2020)

Committee Member, College Tenure and Promotion Committee (September 1, 2016 - May 1, 2020)

Development Activities Attended

- Continuing Education Program, "Quality Matters", Univ Texas Rio Grande Valley (July 1, 2020 - August 31, 2020)

- Continuing Education Program, "Summer 2020 Blueprinting Program ", Univ Texas Rio Grande Valley (May 20, 2020 - July 3, 2020)

- Workshop, "Community Engaged Scholarship & Learning ", Improving undergraduate STEM education (January 30, 2019 - May 24, 2019)

- Conference Attendance, "AASHE Centers for Sustainability Across the Curriculum", AASHE (May 2017)

Professional Service

Committee Member, Algae Technology Educational Consortium . Portland, Maine (September 1, 2021)

Member, Seagrass Monitoring Workgroup. (2004)

Grant Proposal Reviewer, External, New York Sea Grant. New York (August 18, 2021)

Discussant, TAMU Corpus Christi Harte Research Institute. Corpus Christi, Tx (June 7, 2021 - June 8, 2021)

Reviewer, Journal Article, Journal of Coastal Research. Florida (March 9, 2021)

Other, Boy Scouts of America. Edinburg, TX (October 1, 2019 - February 17, 2020)

Committee Member, Climate, Energy, Environment & Engagement in Semi-Arid Regions. Corpus Christi, TX (March 2011 - June 2018)

Member, Steering Committee of Climate, Energy, Environment and Engagement in Semi-Arid Regions, a Research Coordination Network. (March 2011 - June 2018)

Member, Edinburg Environmental Advisory Board. Edinburg, Texas (April 2007 - January 2018)

Member, International Boundary Waters Commission Citizens Forum Board. Mercedes, TX (January 2012 - August 31, 2017)

Member, Lower Nueces-Rio Grande Coastal Basin steering committee. (August 2003 - May 2017)

Advisory Board Member, Texas Dept of Transportation. Port Aransas, TX (October 2016 - November 2016)

Officer, President/Elect/Past, Texas Academy of Science. (March 2007 - March 2008)

Committee Chair, Local Organizing Committee for 2005 Texas Academy of Sciences annual meeting. (March 2003 - March 2005)

Other, Texas Academy of Science. (March 2003 - March 2005)

Member, NERR Site Selection Committee and Evaluation Subcommittee. (2002 - 2004)

Member, Rio Grande Valley EPA Environmental Education Program. (2001 - 2004)

Member, Phycological Society of America Bold Award Committee. (2000 - 2002)

Professional Memberships

Coastal and Estuarine Research Federation, (CERF)

Gulf Estuarine Research Society, (GERS)

Algae Technology Educational Consortium , (ATEC) (July 1, 2021)

Coastal and Estuarine Research Federation , (CERF) (September 1, 2010)

Texas Seagrass Monitoring Workgroup,(May 1, 2004)

Gulf Estuarine Research Society, (GERS) (September 1, 2020 - August 31, 2024)

Coastal and Estuarine Research Foundation, (CERF) (January 2023 - December 2023)

International Boundary Waters Commission Citizens Forum Board,(September 1, 2013 - August 31, 2014)

Texas Academy of Science, (TAS) (March 2007 - March 2008)

Public Service

Discussant, Region 4 Coastal Restoration Beneficial User Stakeholder meeting. Edinburg, TX (May 20, 2021)

Committee Member, Texas General Land Office Technical Advisory Committee. Austin, Tx (May 17, 2021)

Committee Member, Regional Flood Planning Group. Austin, TX (October 1, 2020)

Board Member, Lower Laguna Madre Estuary Partnership. (May 24, 2019)

Member, Lower Laguna Madre Estuary Program. (November 2016)

Committee Member, Texas Seagrass Monitoring Workshop. Austin, TX (October 1, 2004)

Board Member, Native Plant Center. South Padre Island, Tx (July 22, 2021 - December 31, 2022)

Discussant, LRGV Environmental Summit. (October 15, 2021 - October 15, 2021)

Guest Speaker, Lower Rio Grande Valley Development Council Watershed Protection Plan Annual Meeting. Weslaco, TX (June 25, 2021)

Guest Speaker, Quinta Mazatlan Birding Center. McAllen, Tx (May 25, 2021)

Guest Speaker, Univ Texas Rio Grande Valley. Edinburg, TX (November 3, 2019 - November 3, 2019)

Workshop Organizer, Texas Project WILD workshop . South Padre Island, TX (January 2018 - May 2018)

Judge, Texas Academy of Science. TX (January 15, 2017 - March 10, 2017)