

**DEGREES AWARDED BY THE DEPARTMENT/COLLEGE OF MARINE SCIENCE,
UNIVERSITY OF SOUTH FLORIDA**

(through December 2007)

DOCTOR OF PHILOSOPHY DEGREES

DOCTORAL DISSERTATIONS, U.S.F. COLLEGE OF MARINE SCIENCE, 2007

BOEHME-TERRANA, Linae

Trace metals and stable isotopes as tracers of life history and trophic connections in estuarine-dependent fish from Tampa Bay, Florida

MILROY, Scott

A three-dimensional biophysical model of light, nutrient, and grazing controls on phytoplankton competition affecting red tide maintenance on the west Florida shelf

ADORNATO, Lori

Oceanic interfaces: Investigations of biogeochemical changes across nutriclines and frontal boundaries

FISHER, Elizabeth

Assessing the health of coral reef ecosystems in the Florida Keys at the community, individual, and cellular scales

LEVERONE, James

Comparative effects of the toxic dinoflagellate *Karenia brevis* on bivalve mollusks from Florida

DOCTOR OF PHILOSOPHY DEGREES

DOCTORAL DISSERTATIONS, U.S.F. COLLEGE OF MARINE SCIENCE, 2006

BURGHART, Scott

Micronektonic Community Composition and Trophic Structure Within the Bathypelagic Zone in the Eastern Gulf of Mexico

CASPER, Brandon

The Hearing Abilities of Elasmobranch Fishes

CHEN, Zhigang

Monitoring Water Quality in Tampa Bay: Coupling in situ and Remote Sensing

HILL, Heather

Abrupt Climate Change During the Last Glacial Period: A Gulf of Mexico Perspective

KILBOURNE, Kelly

Tropical Atlantic and Caribbean Climate Variations During the Past Eight Centuries

LENES, Jason

Saharan dust and phosphatic fidelity: a three dimensional biogeochemical model of *Trichodesmium* on the West Florida Shelf.

LIU, Yonggang

Patterns and dynamics of ocean circulation variability on the West Florida Shelf

PALANDRO, Dave

Coral Reef Habitat Change and Water Clarity Assessment (1984-2002) for the Florida Keys National Marine Sanctuary Using Landsat Satellite Data

QUINN, Kelly

Influence of Solution and Surface Chemistry on Yttrium and Rare Earth Element Sorption

QUINTANA-RIZZO, Ester

Group Fission-Fusion Dynamics and Communication in the Bottlenose Colphin (*Tursiops Truncatus*)

SEREBRENNIKOVA, Yulia

Ammonium distribution and dynamics in relation to biological production and physical environment in the Marguerite Bay region of the West Antarctic Peninsula.

SMITH, Jennifer

Geochemical Signatures in the Coral *Montastraea*: Modern and Fossil Perspectives

VANDEBLOEMEN, Lisa

Satellite Analysis of Temporal and Spatial Chlorophyll Patterns on the West Florida Shelf (1997-2003)

**DOCTOR OF PHILOSOPHY DEGREES
DOCTORAL DISSERTATIONS, U.S.F. COLLEGE OF MARINE SCIENCE, 2005**

NABABAN, Bisman

Bio-optical Variability of Surface Waters in the Northeastern Gulf of Mexico.

MASSERINI, Rob

Ammonium, Nitrate, and Nitrite in the Oligotrophic Ocean: Detection Methods and Usefulness as Tracers.

VIRMANI, Jyotika

Ocean-Atmosphere Interactions on the West Florida Shelf.

McDANIEL, Lauren

Lysogeny: Practical Applications and New Discoveries

LESTER, Kristen

Zooplankton of the West Florida Shelf: Relationships with *Karenia Brevis* Blooms

DOCTOR OF PHILOSOPHY DEGREES

DOCTORAL DISSERTATIONS, U.S.F. COLLEGE OF MARINE SCIENCE, 2004

JOLLIFF, JASON

The Relative Influence of Coastal Effluent and Deep Water Masses on Surface Optical Properties and Margin Productivity in the Northeastern Gulf of Mexico: A Three-Dimensional Simulation Analysis

RICHARDSON, RALPH

Florida Bay Microalgal Blooms: Physiological and Competitive Strategies of Bloom Forming Cyanobacteria and Diatoms in Florida Bay.

WARRIOR, HARI V.

Parameterization of the Light Models in Various General Ocean Circulation Models.

JOHN, DAVID E.

Transport and Survival of Water Quality Indicator Microorganisms in the Ground Water Environment of Florida: Implications for Aquifer Storage and Waste Disposal

SIMONIELLO, CHRISTINA

The Effect of Temperature on Metabolic Characteristics and Biochemical Structure: Indices of Thermal Sensitivity in Mesopelagic Fishes

WARIK, BORIS

Diversity and Production of Phytoplankton in the Offshore Mississippi River Plume and Coastal Environments

WILLIAMSON, SHANNON J.

Lysogeny, Pseudolysogeny, and Sporulation in the Marine Environment

SHEHANE, STEPHANEY D.

From Source to Tap: Tools and Techniques for Investigations into Public and Environmental Health Issues Associated with Water

HELBER, ROBERT

Upper Ocean Upwelling, Temperature, and Zonal Momentum Analyses
In the Western Equatorial Pacific

HOLLAND, CHIRSTINA

Interannual Volume Changes and Heat Transport Pathways in the Tropical
Pacific

JARRETT, BRET

Late Quaternary Carbonate Sediments and Facies Distribution Patterns Across a Ramp to
Rim Transition: A New Depositional Model for the Southwest Florida Platform

QUINTERO-BENTANCOURT, WALTER

Assessment of Current and New Methods for Investigating the Occurrence of Enteric
Pathogens in Ambient Waters and Water Resources for Rehydration of a Floridan
Wetland

DOCTORAL DISSERTATIONS, U.S.F. COLLEGE OF MARINE SCIENCE, 2002

AMES, AUDRA

Lipid Chemistry of the Florida Manatee, *Trichechus manatus latirostris*

TOLER, STRAWN

A Study of test breakage and calcification in bleaching-stressed *Amphistegina gibbosa*
(Foraminifera)

CATTRALL, CHRISTOPHER

Retrieval of Columnar Aerosol Phase Function and Single-Scattering Albedo
From Sky Radiance over the Ocean: Measurements of African Dust

TALGE, HELEN K.

Cytology of Symbiont Loss (Bleaching) in *Amphistegina Gibbosa*

WILLIAMS, DANA E.

Population Ecology of Bleaching-Stressed *Amphistegina Gibbosa* in the Fla
Keys (1991-1999): Influence of Solar Radiation on Reef-Dwelling Foraminifera

HE, RUOYING

The response of the West Florida Shelf to Forcing at Tidal, Synoptic, Seasonal
and Inter-Annual Time Scales.

DOCTORAL DISSERTATIONS, U.S.F. COLLEGE OF MARINE SCIENCE, 2001

BURROUGHS, STEVEN M.

Upper-Truncated Power Laws and Self-Similar Criticality in Geophysical Processes

CALLAHAN, MICHAEL R.

Light Scattering and Liquid Core Waveguides: An Exploration of Two Novel Spectrophotometric Techniques for the Enhanced Measurement and Analysis of Aquatic Constituents.

DIX, THOMAS L.

The Distribution and Ecology of Benthic Foraminifera of Tampa Bay, Florida

DONALDSON, KIM A.

Molecular Evolution of a Coding and a Non-Coding Region of the Mitochondrial Genome of Three Transisthmian Species of Fishes (Centropomidae: Centropomus).

SUTTON, TRACEY T.

Analysis of Pelagic Ecosystem Structure

BURWELL, David Carl

Modeling the Spatial Structure of Estuarine Residence Time: Eulerian and Lagrangian Approaches

DOTHEROW-McFIELD, Melanie Ann

The Influence of Disturbance and Management on Coral Reef Community Structure In Belize

HAFEN, Mark Radley

Sediment Movement and Comparative Sedimentary Morphology, West Florida Shelf

SCHMIDT, Nancy Jeanne

Influence of Climate Variability on Tampa Bay, Florida

SLIFKO, Theresa Renee

Development and Evaluation of a Quantitative Cell Culture Assay for Cryptosporidium Disinfection Studies

SUTTON, Pamela Lynn

The Physico-Chemical Interactions of Polycyclic Aromatic Hydrocarbons (PAHs) in Seawater: Solubility and Sorption

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT/COLLEGE OF MARINE SCIENCE, 2000:

BERNSTEIN, Renate

Radiolarians from the Western North Pacific Ocean: A Latitudinal Study of their Distributions and Fluxes

BOEHME, Jennifer Ruth

Artificial and Natural Fluorescence of Dissolved Organic Matter in the Tampa Bay Estuary

PENTA, Bradley

Phytoplankton Competition on the West Florida Shelf: A Simulation Analysis with "Red Tide" Implications

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WETZEL, Dana

Novel Techniques and Temporal Trends in Assessing the Distribution of Petroleum Hydrocarbon Contamination and Accumulation in the Canals of Venice, Italy 1985-1998.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1999

FOLEY, Allen M.

Nesting Ecology of the Loggerhead Turtle (*Caretta Caretta*) in the Ten Thousand Islands, Florida.

GEIGER, Stephen

A Comparative Assessment of Biochemical Measures of Nutritional Condition in Pelagic Organisms: Oceanic Frontal Systems as Natural Laboratories

GRIFFIN, Dale

Microbiological Studies of Florida Water Quality

LIPP, Erin

Occurrence, Distribution and Transport of Human Pathogens in Coastal Waters of Southwest Florida

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1998:

DEL CASTILLO, Carlos

Optical Characteristics of the Colored Dissolved Organic Matter in the Eastern Caribbean, West Florida Shelf, and the Arabian Sea: Relationship between Chemical Characteristics and Optical Response.

KAWALL, Helena

Metabolic Adaptation of Antarctic Organisms: Responses to the Ice-Edge Bloom and Cold Adaptation.

KELLOGG, Christina

Genetic Diversity and DNA Repair of Environmental Marine Vibriophages.

LI, Zhenjiang

Upwelling Circulation on the West Florida Continental Shelf.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1997:

BISSETT, William Paul

Carbon Cycling in the Upper Waters of the Sargasso Sea.

DUNCAN, David S.

Geologic and Paleooceanographic Evolution of the Serranilla Basin: Northern Nicaragua Rise, Caribbean Sea.

HOU, Weilin

Characteristics of Large particles and their Effects on the Submarine Light Field.

JI, Zaihua

Indian Ocean Circulation and Heat Budget in a Numerical Model.

LIU, Xuewu

Fractionation Behavior of the Rare Earths in Natural Waters: The Role of Carbonate Complexation and Phosphate.

MOYER, Michael A.

The Reproductive Ecology of the Calico Scallop, *Argopecten gibbus* (Linnaeus), and Mass Mortality Linked to a Protistan.

PIERCE, Renee Bishop

Leptocephalus Energetics: An Examination of a Unique Developmental Strategy.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1996:

ARNOLD, William S.

Temporal and Spatial Pattern of Shell Growth in Hard Clams (*Mercenaria spp.*) from the Indian River Lagoon, Florida.

GILBES, Fernando

Analysis of Episodic Phytoplankton Blooming and Associated Oceanographic Parameters on the West Florida Shelf Using Remote Sensing and Field Data.

JIANG, Chengyang

Lysogeny and Transduction in the Marine Environment.

LEE, Eunil

Late Quaternary Sediments and Rapid Deposition of Pelagic Carbonates on the Central West Florida Continental Slope.

LIU, Zhengrong

The Origin and Evolution of the Easter Seamount Chain.

LU, Yan-Tian

Physiological Energetics of Larvae and Juveniles of the Bay Scallop, *Argopecten irradians concentricus*.

PEEBLES, Ernst B.

Ontogenetic Habitat and Diet Selection in Estuarine-Dependent Fishes: Comparisons of Observed Patterns with Model Predictions.

QIAO, Lin

Empirical Studies of Equatorial Ocean Dynamics from the Tropical Instability Wave Experiment.

TOSCANO, Marguerite A.

Late Quaternary Stratigraphy, Sea-Level History, and Paleoclimatology of the Southeast Florida Outer Continental Shelf.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1995:

MALLINSON, David J.

Geology and Geochemistry of the Miocene Hawthorn Group in Northeast Florida: Implications for Paleooceanography, Paleoclimate, and Carbon and Phosphorus Cycles.

NETRATANAWONG, Toedsit

Stable Isotope Investigation of the Hydrological Cycle of West-Central Florida.

RAST, Jonathan P.

Rearranging Genes of the Chondrichthyan Immune System.

WANG, Chunzai

Numerical, Analytical, and Observational Studies of Tropical Ocean-Atmosphere Interactions.

WRIGHT, Eric

Sedimentation and Stratigraphy of the Suwannee River Marsh Coastline.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1994:

FRISCHER, Mark

Natural Plasmid Transformation in the Marine Environment.

LEE, Zhongping

Visible-Infrared, Remote-Sensing Model and Applications for Ocean Waters.

LEONARD, Lynn

Environmental and Physical Factors Controlling Sediment Transport and Deposition in Microtidal Marsh Systems: Implications for Marsh Stability.

PRIBBLE, J. Raymond

New Production Within Gulf-Stream Induced Cyclonic Eddies in the South Atlantic Bight and the Resultant Carbon Flux to Depth: Results of a Combined 3-Dimensional Biological/Physical Simulation Model.

SNYDER, Stephen W.

Miocene Sea-Levels: Frequency and Amplitude Estimates from the Carolina Platform.

TOLLEY, S. Gregory

Physiological Energetics of the Common Snook, Centropomus undecimalis.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1993:

BRIGHTMAN, Ross I.

Energetics and RNA-DNA Ratio in Larval Red Drum Sciaenops ocellatus.

CONLEY, Walter

Population Structure and Trophodynamics of Lanternfish (Pisces: Myctophidae) Larvae of the Eastern Gulf of Mexico.

KOCH, Evamaria W.

Hydrodynamics of Flow Through Seagrass Canopies: Biological, Physical and Geochemical Interaction.

LEE, Jonghyeon

Rare Earth Element and Yttrium Speciation in Seawater: Influence of Temperature and Pressure.

LOUDA, J. William

The Biogeochemistry of Chlorophyll.

MEYERS, Mark B.

The Response of Oceanic Phytoplankton to Nitrate Flux in the eastern Gulf of Mexico.

PEEBLES, Mark W.

Carbonate Sedimentology and Foraminiferal Ecology of Deep, Current-Swept Platforms, Northern Nicaraguan Rise, Caribbean Sea.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1992:

BARBER, Timothy R.

Biogeochemistry of Light Hydrocarbons in South Florida Wetlands.

BRELAND, Jabe A.

Spectrophotometric Determinations of the pH and the Total Alkalinity of Sea Water Utilizing Sulfonephthalein Indicators.

KIM, Ki-Hyun

Rare Earth Element Chemistry in Sea Water / by Ki-Hyun Kim. 1992.

ROBERT-BALDO, Gillian

An Examination of Pyrite and Marcasite Oxidative/Dissolution Rates in Sea Water.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1991:

DURAKO, Michael J.

Carbon Dynamics of the Seagrass Thalassia testudinum.

GIBEAUT, James C.

Morphodynamic Classification, Evolution, and Modeling of Unstructured Inlets in West Central Florida.

GREGG, Watson W.

Simulation of the 1979 Spring Bloom in the Mid-Atlantic Bight: A Coupled Physical/Biological/Optical Model Designed for CZCS Data.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1990:

ERDMAN, Robert B.

Reproductive Ecology and Distribution of Deep-Sea Crabs (Family Geryonidae) from Southeast Florida and the Eastern Gulf of Mexico.

GARTNER, John V., Jr.

Ecology of the Lantern Fishes (Pisces: Myctophidae) of the Eastern Gulf of Mexico, with Emphasis on Age, Growth, and Reproductive Patterns of the Numerically Dominant Species.

SHUERT, Paul G.

Ecosystem Analysis of the Bering/Chukchi Seas Using a Coupled Time Dependent Physical/Biological Simulation Model.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1989:

CONKRIGHT, Margarita E.

Stable Carbon Isotope Compositions During the Thermal Alteration of Organic Matter.

EVANS, Mark W.

Late Miocene to Quaternary Seismic and Lithologic Sequence Stratigraphy of the Charlotte Harbor Area: Southwest Florida.

JEFFREY, Wade H.

Validation of (^3H) Thymidine Incorporation and its Application to Detecting Natural Transformation in the Marine Environment.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1988:

ACKER, James G.

Factors Influencing the Dissolution of Aragonite in the Oceanic Water Column.

WOODS, Terri L.

Calculated Solution-Solid Relations in the Low Temperature System Ca-MgO-FeO-CO₂-H₂O.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1987:

AZZARELLO, Marie Y.

A Comparative Study of the Developmental Osteology of Hippocampus zosterae and Syngnathus scovelli.

DEFLAUN, Mary F.

The Distribution and Molecular Characterization of Dissolved DNA in Aquatic Environments.

MANGINI, Maurizio A.

Molecular Zoogeography of Florida Snook (Pisces: Centropomidae): by a Simplified Technique for the Purification of Fish Mitochondrial DNA.

PARSONS, Glen R.

Life History and Bioenergetics of the Bonnethead Shark, Sphyrna tiburo (Linnaeus): a Comparison of Two Populations.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1986:

BROOKS, Gregg R.

Recent Continental Slope Sediments and Sedimentary Processes Ordering a Non-Rimmed Carbonate Platform: Southwest Florida Continental Margin.

KUMP, Lee R.

The Global Sedimentary Redox Cycle.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1985:

BURKE, Roger A.

Stable Hydrogen and Carbon Isotopic Compositions of Biogenic Methanes.

DOCTORAL DISSERTATIONS, U.S.F. DEPARTMENT OF MARINE SCIENCE, 1984:

BARBER, Bruce J.

Reproductive Energy Metabolism in the Bay Scallop, Argopecten irradians concentricus (Say).

CUBA, Thomas R.

Successional and Seasonal Events in the Fouling of Naturally Occurring Substrate in a Subtropical Estuary.

MASTER OF SCIENCE DEGREES

(Through December 2007)

MASTER THESES, COLLEGE OF MARINE SCIENCE, UNIVERSITY OF SOUTH FLORIDA, 2007

DUNN, Shane

Acoustic sediment classification of benthic habitats in Tampa Bay

VAN DEVENTER, Michelle

Brevetoxins in marine birds: Evidence of trophic transfer and the role of prey fish as toxin vector

MOBBERLEY, Jennifer

Molecular and genomic studies of temperate phages from *Halomonas aquamarina* and *Bacillus* spp. isolates from the Gulf of Mexico

BAILEY, Kathryn

The use of microarrays in the detection of the gene expression of ribulose-1,5-bisphosphate carboxylase/oxygenase (RuBisCO) in the marine environment

LINVILLE, Amanda

Bathymetric alterations due to urbanization and their effect on salinity, flow field, and transport time for Tampa Bay, FL

SALEEM, Shihadah

Geomorphology of submarine springs west of Fort Myers, FL

DE LA PAZ, Lucia

Changes in the abundance and distribution of humpback whales, *Megaptera novaeangliae*, in Hervey Bay Marine Park, Australia, based on aerial surveys conducted in 1992 and 2004

CIEMBRONOWICZ, Kate

The relationship of the initial flooding depositional facies to global sea level and climate on the Marion Plateau, NE Australia (ODP Leg 194)

RATHMELL, Katie

The influence of the loop current on the diversity, abundance, and distribution of zooplankton in the Gulf of Mexico

RICHEY, Julie

A 1400-year multi-proxy record of climate variability from the northern Gulf of Mexico

STAIR, Kristine

Assessing the reproducibility of skeletal geochemistry records in Atlantic corals using *Montastraea annularis* heads from the Dry Torugas, Florida

WILSON, Monica

Effects of extreme events on residual circulation for Tampa Bay, Florida

MASTER THESES, COLLEGE OF MARINE SCIENCE, UNIVERSITY OF SOUTH FLORIDA, 2006

AULT, Danylle

Temporal and spatial distribution of chlorophyll on the West Florida Shelf

CAESAR, Nicole

An evaluation of the along track reef imaging system (ATRIS) for efficient reef monitoring and rapid groundtruthing of EAARL LIDAR.

CROSS, Eric

Hydrogen isotopic ratios of algal and terrestrial organic matter in Lake Tulane, FL: from a modern calibration to the reconstruction of paeloclimatic and paleohydrologic conditions.

DELONG, Kristine

Reconstructing 20th Century SST Variability in the Southwest Pacific: A replication Study Using Multiple Coral Sr/Ca Records from New Caledonia

GAYDOS, Dana

Modeling the advantages and disadvantages of coral-algal symbiosis

GUSTAFSON, Steve

Post-disturbance growth of *Montastraea annularis* and *Porites astreoides* in the Caye Caulker Marine Reserve, Belize, 2002-2003.

HENSON, Joshua

Strategic geographic positioning of sea level gauges to aid in early detection of tsunamis in the Intra-Americas sea.

LODICO, Jenna

Sub-millennial scale climatic and hydrologic variability in the Gulf of Mexico during the early Holocene.

LONG, Amy

Control of Lysogeny in Marine Bacteria: Studies with Ohsic and Natural Polulations

PALMER, Denise

Late Holocene Planktic foraminifera assemblages from Orca Basin

SILVERMAN, Noah

Assessing the consequences of hurricane induced fragmentation of mangrove forest on habitat and nekton in Big Sable Creek, Florida

SINGH, Lizz

Seasonal and Spatial trends of *Karenia brevis* Blooms and Associated Parameters Along the 10-Meter Isobath of the West Florida Shelf

SOTO, Inia

WALL, Carrie

Linkages Between Environmental Conditions and Recreational King Mackerel Catch off West-central Florida

CALLAHAN, Michael

Distribution of Clionid Sponges in the Florida Keys National Marine Sanctuary (FKNMS)

FAUVER, Laura

Toward Predicting Barrier Island Vulnerability: Simple Models for Dune Erosion

CARNAHAN, Elizabeth

Foraminiferal Assemblages as Bioindicators of heavy metal concentrations in Biscayne Bay, Florida.

LORENZONI-GONZALEZ, Laura

The influence of local rivers on the Eastern Cariaco Basin, Venezuela

FARMER, Andrew

Bottom albedo derivations using hyperspectral spectrometry and multispectral video”

SUTHARD, Beau

A Siliciclastic-Filled Sedimentary Basin in a Mid-Carbonate Platform Setting, Tampa Bay, Florida.

QUIGLEY, Wendolyn

Variations in sedimentation rates and depositional controls of the open-marine, marsh-dominated coastline from Bayonet Point to the Suwannee River, Florida.

HILL, Randy

Standardizing the Auditory Evoked Potential Technique: Ground-Truthing Against

WOLFSON, Monica

Multibeam observations of mine scour and burial near Clearwater, Florida, including a test of the VIMS 2D Burial Model.

DANIELS, Camille

Development and Application of the SEDCON Index for Coral Reef Ecosystems

NICHOLS, Bryan

Characterizing Sound Production in Near Shore Rockfishes (*Sebastes* spp.)

DU, Chunzi

Autonomous Optical Measurements in Bayboro Harbor (St. Petersburg, Florida)

MONTES, Martin

Monte Carlo Simulations as a Tool to Optimize Target Detection by AUV/ROV Laser Line Scanners

BROADBENT, Heather

Development of a CTD System for Environmental Measurements Using Novel PCB MEMS Techniques

MASTER THESES, COLLEGE OF MARINE SCIENCE, UNIVERSITY OF SOUTH FLORIDA, 2004

ORDRIOZOLA, ANA LUCIA

On the Color of the Orinoco River Plume

SHEPS, KATHRYN

Bio-Optical Variability of Surface Waters in the Northeastern Gulf of Mexico

DEWITT, NANCY T.

The Depositional History of Three Freshwater Lakes in North-Central Florida: Brooklyn Lake, Levys Prairie and Cowpen Lake.

HAVENS, JULIE A.

A Stable Isotope Examination of Particulate Organic Matter During *Karenia brevis* Blooms on the Central West Florida Shelf: Hints at Nitrogen Sources in Oligotrophic Waters.

WALKER, ROBERT A.

Photosynthesis and Respiration in Five Species of Benthic Foraminifera that Host Algal Symbionts.

OBROCHTA, STEPHEN

Australian Great Barrier Reef Initiation Timing Constrained by Seaward Shallow-Water Sediment Drift Architecture.

BRODERSEN, JUSTIN

Inner-Shelf Bottom Boundary Layer Development and Sediment Suspension During Tropical Storm Isadore on the West Florida Shelf.

BELLUCCI, JOEL

The Effects of Seasonal Change on Copepods and *Euphausiids* Off the Western Antarctic Peninsula: Result from Biochemical Assays and Respiration Studies

GRAY, MICHAEL A.

Detection and Quantification of *Karenia Brevis* by Carbon Fixation Gene Expression Analysis.

HICKEY, TODD D.

Geological Evolution of South Florida Pleistocene-Age Deposits With an Interpretation Of the Enigmatic Rock Ridge Development

CANNIZZARO, JENNIFER PATCH

Detection and Quantification of *Kerenia brevis* blooms on the West Florida Shelf

PILLSBURY, LORI A.

Spatial and Temporal Chemical Variations in the Hillsborough River System

MALICK, LISA ANN

Light Quality and Phytoplankton Viability

THURMAN, PAUL E.

Life History and Energy Budget of *Pronotogrammus martinicensis* (Serranidae: Anthiinae)

SCOLARDI, KERRI M.

Distribution, Metabolism and Trophic Ecology of the Antarctic Cydippid Ctenophore, *Callianira Antarctica*, West of the Antarctic Peninsula

EGNER, SARAH A.

Auditory Sensitivity of Sergeant Majors (*Abudefduf sakatilis*) from Post-Settlement Juvenile to Adult

VAN GAALEN, JOSEPH F.

Longshore Sediment Transport from Maine to Florida: A Comparison of Deep Water Wave Hindcasts and Over 60 Years of Compiled Research

MASTER THESES, COLLEGE OF MARINE SCIENCE, UNIVERSITY OF SOUTH FLORIDA, 2003

GRIGSBY, MICHELLE D.

Biochemical Adaptation of Mesopelagic Fishes to the Oxygen Minimum Zone

BERNS, DONNA M.

Physiological Responses of *Thalassia testudinum* and *Ruppia maritima* To Experimental Salinity levels

WETZELL, LAUREN

Simple Models for Predicting Dune Erosion Hazards along the Outer Banks of North Carolina

STEPHANS, CHRISTIE

Assessing the Reproducibility of Coral-based Climate Records: A Multi-proxy Replication

Test using Three *Porites lutea* Coral Heads from a Reef Offshore Amedee Island, New Caledonia

STOVAL-LEONARD, ANTOYA

Characterization of CDOM for the study of Carbon Cycling in Aquatic Systems

GENNACCARO, ANGELA L.

Detection of Infectious *Cryptosporidium Parvum* in Reclaimed Water

LAW, JASON

Deep Ocean Effects on Outer Shelf Flow: A western Boundary Current Case Study

LINDEMANN, MARCUS A.

Aspects of Mudskipper Audition: Hearing Thresholds and Inner Ear Ultrastructure

TYNER, ELIZABETH

Calcium Carbonate Production on the Central West Florida Continental Shelf

WILDER, DOUGLAS T.

Relative Motion History of the Pacific-Nazca (Farallon) Plates Since 30 Million Years Ago

IDOCKS, TRACY

Evaluation of Automated Ribotyping as a Tool for Bacterial Source Tracking in Aquatic Environments

KILBOURNE, HALIMEDA

A Coral Window on Western Pacific Climate During the Pleistocene

McINTYRE, MICHELLE

Testing a Model for Deriving Bathymetry from Airborne Hyperspectral Data by Comparing with Multibeam Sonar Data

LYBOLT, MATTHEW

Count or Pointcount: Is Percent Octocoral Cover An Adequate Proxy for Octocoral Abundance?

MASTER THESES, COLLEGE OF MARINE SCIENCE, UNIVERSITY OF SOUTH FLORIDA, 2002:

DUKEMAN, ANGELA

The Reproductive Cycle of the Flame Scallop, *Lima scabra scabra* (Born 1778), from

the Lower Florida Keys, USA

HACKETT, KEITH

A comparative Study of Two Video Analysis Methods to Determine Percent Cover of Stony Coral Species in The Florida Keys.

LENES, JASON

Iron Fertilization of Trichodesmium off the West Coast of Barbados:
A One-Dimensional Numerical Model.

MAROT, MARGARET E.

Beryllium-7 and Trace Element Distribution in the Sediments of Lake Pontchartrain, Louisiana.

WRIGHT, AMY K.

Subpolar North Atlantic Surface and Deep Ocean Circulation During the Mid-Pleistocene Revolution.

COSDEN, JEANETTE M.

Geochemistries of Pd and Pt: Speciation and Fractionation in Seawater

BERMAN, GREGORY A.

Geophysics and Hydrodynamics of Egmont Channel: An Anomalous Inlet At the Mouth of Tampa Bay, Florida

HOARE, ANA M.

Analysis of Biscayne Bay Sediments: Do Benthic Foraminifera Reflect Trace Metal Contamination?

JACUKIEWICZ, JENNIFER A.

Foraminiferal Assemblages in Lagoonal Sediments of Glovers Reef Atoll, Belize.

MASTER THESES, COLLEGE OF MARINE SCIENCE, UNIVERSITY OF SOUTH FLORIDA, 2001:

DARROW, BRIAN P.

An Analysis of Factors Effecting the Growth of Benthic Microalgae Following the Decline of a Surface Phytoplankton Bloom

COULLIETTE, Angela D.

Impact of Sample Collection and Processing on *Cryptosporidium Parvum* Oocyst

Infectivity

CREVISON, Heidi Lynne

Sediment Cores From the Florida Keys: Is Resolution Sufficient for Environmental Application?

GILBERT, Sherryl

Can the TOPEX/Poseidon Altimeter Make Useful Observations of Equatorial Inertia-Gravity Waves?

JARRELL, Jennifer Lee

Use of Synthetic Polypeptide to Determine the Sex and Reproductive Status of Field Caught Red Grouper

McLAUGHLIN, Molly

Evaluation of the Bacteroides Fragilis Phage Assay as an Alternative Indicator of Sewage Pollution

MONTGOMERY, Annabel Edith

Detection and Enumeration of Cryptosporidium Parvum in Marine Sediments, Wastewater Sludge, and Shellfish, by Immunomagnetic Separation (IMS) and Immunofluorescent Assay (IAF) Methods

NELSON, Eric Eduard

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