

Publications of the Florida Sea Grant College Program, 2003 - 2008

CALENDAR YEAR 2008 (January - December)

I. Florida Sea Grant Report

A. Published

B. In Press

C. In Process, Planned, Submitted, etc.

National Seafood HACCP Alliance. (in process - 2007). **Sanitation control procedures for processing fish and fishery products**. Seafood HACCP Alliance Course - Second Edition for Training and Education. SGR-119. 2nd Edition. (E/TP-2)

Osborne, R. and G. Appelson. (in process - 2008). **There's a beach in my backyard**. SGR- (R/C-P-27)

II. Florida Sea Grant Technical Paper

A. Published

B. In Press

III. Books and Book Chapters

A. Published

B. In Press

Olson, D. B. (in press - 2006). **Lagrangian biophysical dynamics**. *In: Lagrangian Analysis and Prediction* A. Mariano, T. Ozgokmen, A. Griffa and T. Rossby eds. (R/LR-B-57)

D. In Process, Planned, Submitted, etc.

Cato, J.C., (ed). **The changing ocean and coastal economy of the Gulf of Mexico**. Texas A & M, University Press. (E/T-17)

IV. Journal Articles

A. Published

B. In Press

Ault, J.S., S.G. Smith, J.A. Bohnsack, J. Luo, D.E. Harper, and D.B. McClellan. (in press - 2006). **Building sustainable fisheries in Florida's coral reef ecosystem: positive signs in the Dry Tortugas**. Bulletin of Marine Science. (R/C-E-50)

Ault, J.S., J.A. Bohnsack, S.G. Smith, and J. Luo. (in press - 2005). **Towards sustainable multispecies fisheries in the Florida USA coral reef ecosystem**. Bulletin of Marine Science 76(2):595-622. (R/C-E-50)

Benetti, D.D., M. R. Orhun, B. O'Hanlon, I. Zink, F. G. Cavalin, B. Sardenberg, K. Palmer, B. Denlinger and D. Bacoat. (in press-2007). **Aquaculture of Cobia (*Rachycentron canadum*) in the Americas and the Caribbean Regions**. (R/LR-A-42)

Chatzidaki-Livanis, M., M. M. Jones, A.C. Wright. (in press - 2006). **Genetic variation in the *Vibrio vulnificus* group 1 CPS operon**. Journal of Bacteriol, 188:1987-98. (R/LR-Q-27)

Freitas, R. H., R. S. Rosa, S. H. Gruber & B. M. Wetherbee. (in press - 2006). **Early growth and juvenile population structure of lemon sharks, *Negaprion brevirostris*, in the Atol das Rocas Biological**

- Reserve, off northeast Brazil.** Journal of Fish Biology, 68:1319-1332. (R/C-E-47)
- Galindo, H.M., D.B. Olson and S.R. Palumbi. (in press - 2006). **Seascape genetics: A coupled oceanographic/genetic model predicts the observed population structure of Caribbean corals.** Current Biology. (R/LR-B-57)
- Smith, S.G., D.W. Swanson, J.S. Ault, M. Chiappone, and S.L. Miller. (in review - 2006). **Sampling survey design for Florida Keys coral reef assessments.** Coral Reefs. (R/C-E-50)
- Syvertsen, D.C., and G.A. Maul. (in press - 2006). **The 1755 Lisbon Tsunami I.** Abstract. Florida Scientist, Volume 69, Supplement 1, pp: 35, 2006. (PD-01-10)
- Syvertsen, D.C., and G.A. Maul. (in press - 2007). **The 1755 Lisbon Tsunami II.** Abstract. Florida Scientist, Volume 70, Supplement 1, pp: 25-26, 2007. (PD-01-10)
- Walters, L., K. Brown, W. Stam, and J. Olsen. (in press - 2006). **E-Commerce and Caulerpa unregulated dispersal of invasive species.** Frontiers in Ecology and the Environment. (R/C-E-49)
- C. In Process, Planned, Submitted, etc.**
- Anton, J.K. and R.G. Turingan. (in preparation - 2007). The effects of prey type on the survivorship and growth of marine-fish larvae. Marine Biology. (R/LR-A-41)
- Baker, B.J., M. Van Ert, A.C. Leonard, and J.E. Grimwade. (awaiting patent clearance - 2001). **Cold-water marine invertebrate-associated microorganisms as sources of drug leads.** International Journal of Pharmacognosy. (R/LR-MB-4)
- Beck, J.L. and R.G. Turingan. (in review - 2006). **The effects of zooplankton swimming behavior on prey-capture kinematics of red drum larvae, *Sciaenops ocellatus*.** Marine Biology. (R/LR-A-41)
- Brennan, N.P., and K.M. Leber (in process - 2007). **Effects of release micro-habitat on survival and growth of hatchery snook (*Centropomus undecimalis*), in a Florida estuary.** (R/LR-A-25)
- Chapin, T.S., Deyle, R.E., and Baker, E.J. (submitted - 2006). **A parcel-based GIS method for analyzing changes in hurricane flooding exposure.** Environment and Planning B. (R/C-P-26)
- Chapin, T.S., Deyle, R.E., and Baker, E.J. (in preparation - 2007). **Assessing the effectiveness of comprehensive plans in mitigating exposure of Florida coastal communities to hurricane flooding.** Journal of Planning Education and Research. (R/C-P-26)
- Chatzidaki-Livanis, M., M. Hubbard, K. Gordon, V. J. Harwood, and A. C. Wright. (in process - 2005). **Population genetics of clinical vs. environmental strains of *Vibrio vulnificus*.** Applied Environmental Microbiology. 72:6136-6141. (R/LR-Q-27)
- Chatzidaki-Livanis, M., M. Hubbard, K. Gordon, V. J. Harwood, and A. C. Wright. (submitted - 2006). **Genetic distinctions among clinical and environmental strains of *Vibrio vulnificus*.** Applied Environmental Microbiology. (R/LR-Q-27)
- Correia, J. P, J. R. de Marignac, and S. H. Gruber. (in process - 2006). **Rates of movement from sub-adult lemon shark, *Negaprion brevirostris* (Poey1868), in Bimini Lagoon, Bahamas: The optimal time interval between successive geographical fixes with notes on error estimation of hand-held GPS units.** Bulletin Marine Science. (R-C-E-47)
- Deyle, R.E., Chapin, T.S., and Baker, E.J. (in preparation - 2007). **Reduced hazard exposure through growth management? An evaluation of the effectiveness of Florida's hurricane hazard mitigation planning mandates.** Journal of the American Planning Association. (R/C-P-26)

- Deyle, R.E., Chapin, T.S., and Baker, E.J. (in preparation - 2007). **Are we any safer? The effects of post-plan-approval land use changes on hurricane evacuation clearance times and shelter demand in Florida.** Journal of the American Planning Association. (R/C-P-26)
- Dillon, K., J. Chanton, and L. Smith. (in process - 2006). **Denitrification rates in limestone surrounding a wastewater injection well in the Florida Keys.** Biogeochemistry. (R/C-E-44)
- Dolan, T. W. III, and M.J. IV. Butler. (in review - 2006). **Modeling ontological changes in the social behavior of juvenile Caribbean spiny lobster, *Panulirus argus*.** Journal of Crustacean Biology. (R/LR-B-50)
- Duchon, K.A., N.P. Brennan, K. Leber, and J.M. Miller (in preparation - 2007). **Comparing the growth of caged and released fish: Assessing habitat quality for stocking and relative role of directive factors.** (R/LR-A-25)
- Frazer, T.K., S.B. Blitch, M.H. Posey, T.D. Alphin, K. Blitch, and T.P. Glancy. (in revision - 2007). **Use of shallow-water habitats by juvenile blue crabs along Florida's North Central Gulf Coast: The potential influence of seagrass on distributional patterns.** (R/LR-B-46)
- Frodyma, M.E., M. Van Ert, B. Furrow, A.C. Leonard, B.J. Baker, and J.E. Grimwade. (awaiting patent clearance - 2001). ***Pseudoalteromonas clarkii*, sp. nov., a psychrotrophic bacterium isolated from the Antarctic nudibranch *Tritoniella belli*.** International Journal of Systematic and Evolutionary Microbiology. (R/LR-MB-4)
- Gardon, C., L. Walters, P. Quintana-Ascencio, J. Weishampel, L. McCauley, W. Stam, and J. Olsen. (in process- 2006). **Predicting risks of invasion of *Caulerpa* species in Florida.** Conservation Biology. (R/C-E-49)
- Gordon, K.V., and V.J. Harwood. (submitted - 2004). **Real-time PCR assays for quantification and differentiation of *V. vulnificus* strains in oysters and water.** (R/LR-Q-26)
- Gur, B. and C. Niezrecki. (submitted - 2006). **Autocorrelation based de-noising of manatee vocalizations using the undecimated discrete wavelet transform.** Journal of the Acoustical Society of America. (R/MI-13)
- Haas, K.A., A.B. Kennedy, and B. Sapp. (submitted - 2005). **Video Measurement of Wave and Current Fields in a Laboratory Wave Basin.** (R/C-S-44)
- Irlandi, E., and J. Zsiros. (submitted - 2007). **Morphometric changes and tolerance to low salinity for an exotic green alga (*Caulerpa brachypus*) and consequences to invasion success.** Florida Academy of Sciences. (PD-03-11)
- Jones, M. K., M. Chatzidaki-Livanis, and A. C. Wright. (in process - 2006). **Regulation of phase variation in *V. vulnificus*.** Applied Environ. Microbiol. (R/LR-Q-27)
- Kane, M. (in process - 2007). **Comparative *in Vitro* shoot production and rooting and early *ex Vitro* growth of Sea Oats (*Uniola paniculata* L.) genotypes.** (R/C-S-41)
- Kane, M. (in process - 2007). **Comparative field performance of *in Vitro* propagated Sea Oats (*Uniola paniculata* L.) genotypes.** (R/C-S-41)
- Kane, M. (in process - 2008). **Comparative Growth, Morphology and Anatomy of Easy- and Difficult to Acclimatize Sea Oats (*Uniola paniculata*) Genotypes During *in Vitro* and *Ex Vitro* Acclimatization.** (R/C-S-41)
- Kem, W.R., D. Rittcof, and F. Soti. (submitted - 2005). **Synthesis and chemical-biological characterization of all eight possible methyl-2,3'-bipyridyls.** Department of Pharmacology and Therapeutics, University of Florida College of Medicine. (R/LR-MB-9)

- Kennedy, A.B., and D. Thomas. (submitted - 2004). **Drifter measurements in a laboratory rip current.** Journal of Geophysical Research, Oceans, 109, C08005, doi:10.1029/2003JC001927. (R/C-S-44)
- Kennedy, A.B., M. Brocchini, L. Soldini, and E. Gutierrez. (submitted - 2005). **Topographically-controlled, breaking wave-induced macrovortices. Part 2. Changing geometries.** (R/C-S-44)
- Kennedy, A.B. (submitted - 2005). **Fluctuating Circulation Forced by Unsteady, Multidirectional, Breaking Wave.** (R/C-S-44)
- Larkin, S., R. Degner, and W. Rubinstein. (in review - 2005). **Preferences for wild-caught, ecolabeled, and tank-raised marine aquarium species within the marketing channel.** Marine Resource Economics, FAES Journal Series No. R-09678. (R/LR-A-29)
- Licamele, J.D., R.G. Turingan, L. Creswell and K. Gaines. (in preparation - 2006). **Captive rearing of marine ornamental fishes: Linking functional morphology and feeding selectivity in the hatchery phase of aquaculture.** Aquaculture. (R/LR-A-41)
- Lopez, J.V., C.L. Peterson, R. Willoughby, and S.A. Pomponi. (in preparation - 2001). **Application of anti-sense *Oligonucleotide* (ASO) technology to inhibit cell cycle regulating genes for sponge culture optimization.** (R/LR-MB-5)
- MacMahan, J., R.J. Thieke, R.G. Dean, D.M. Hanes, and R.A. Holman. (submitted - 2005). **Analysis of rip channel stability.** Journal of Marine Geology. (R/C-S-40)
- MacMahan, J., A. Reniers, T. Stanton, E. Thornton, and R. Dean. (in preparation - 2002). **Field measurements rip current instabilities.** Journal of Geological Research. (R/C-S-40)
- Mora, D., F. Pflueger, G. B. Fields, and F. Mari. (submitted - 2004). **First example of hydroxyvaline (GHV) within a polypeptide chain: A novel conopeptide from *Conus gladiator* contains GHV.** Science. (R/LR-MB-18)
- Mora, D., F. Pflueger, G.B. Fields, and F. Mari. (submitted - 2004). **Polypeptides chains containing γ -hydroxyvaline (HYY): An intriguing posttranslational modification found in conus peptides.** Proceedings National Academy of Science. (R/LR-MB-18)
- Peterson, B.J., C.M. Chester, and J.W. Fourquean. (in process - 2002). **The potential role of the sponge community in controlling phytoplankton blooms in Florida Bay.** Marine Ecology Progress Series. (R/C-E-43)
- Peterson, B.J., and J.W. Fourquean (in process - 2002). **An experimental manipulation of sponge grazing on seagrass growth dynamics.** Marine Ecology Progress Series. (R/C-E-43)
- Peterson, B.J., J. Boyer, J. Cornwell, and J.W. Fourquean. (in process - 2002). **Biogenic inputs of nitrogen by the sponge community into Florida Bay.** OIKOS. (R/C-E-43)
- Piercy, A., A. Samuel, F. Snelson Jr., and G. Burgess. (in process - 2005). **Validation of fatty acid signatures in diet analysis of elasmobranch fishes.** (PD-03-07)
- Posey, M.H., T.K. Frazer, T.D. Alphin, and S.B. Blitch. (in revision - 2007). **Facultative habitat use: Does function change with landscape?** (R/LR-B-46)
- Posey, M.H., T.D. Alphin, T.K. Frazer, S.B. Blitch, J.A. Hartsell, J. Christian, and T.P. Glancy. (in revision - 2007). **Juvenile blue crab use of shallow water habitats in Southeastern North Carolina: Distribution among seagrass, oyster and marsh habitats.** (R/LR-B-46)
- Reeve, A, R. D. Handy, and S. H. Gruber. (submitted - 2006). **Prey selectivity by juvenile lemon sharks (*Negaprion brevirostris* Poey 1868) under semi natural conditions in a sub tropical lagoon, Bimini, Bahamas.** JFB Manuscript 05-204 J. Fish Biology. (R/C-E-47)

- Reniers, A., J. MacMahan, T. Stanton, E. Thornton. (in preparation - 2002). **Modeling of infragravity motions on a complex beach.** Journal of Geological Research. (R/C-S-40)
- Rhyne, A.L. and J. Lin. (submitted - 2004). **Growth, development and survival of larval *Mithraculus sculptus* A. Milne Edwards and M. forceps (Lamarck) (Decapoda: Brachyura: Majidae): economically important marine ornamental crabs.** Aquaculture. (PD-03-09)
- Rhyne, A.L. and J. Lin. (submitted - 2006). **The first complete life cycle aquaculture of *Lysmata grabhami*.** (E/INDST-2)
- Rhyne, A.L. and J. Lin. (submitted - 2006). **Larviculture of the early zoeal stages of scarlet cleaner shrimp, *Lysmata amboinensis*.** (E/INDST-2)
- Soti, F., J. Rocca, and W.R. Kem. (in process - 2005). **Isolation and structure elucidation of bipyrindyl and dihydroisoquinolyl alkaloids from a marine worm, *Amphiporus angulatus*.** Department of Pharmacology and Therapeutics, University of Florida College of Medicine. (R/LR-MB-9)
- Stalker, J., R. M. Price, and P. K. Swart. (submitted - 2006). **The Use of Stable Isotopes of Oxygen and Hydrogen to Differentiate Point from Non-Point Sources of Freshwater Discharge into Biscayne Bay, South Florida.** Journal. (R/C-E-51)
- Stam, W., J. Olsen, S. Zaleski, S. Murray, K. Brown, and L. Walters. (in process - 2006). **A forensic survey of *Caulerpa* species (Caulerpales, Chlorophyta) from aquarium shops, e-commerce and the Florida coast: Establishing a proactive baseline for early detection.** Journal of Phycology. (R/C-E-49)
- Stringer, C.E., W.C. Burnett, and J.P. Chanton. (in process - 2007). **Assessment of groundwater discharge to Lake Barco, Florida via radon tracing.** Water Resources Research. (R/C-E-44)
- Thieke, R.J., J. Engle, and J. MacMahan. (in preparation - 2005). **Use of statistical analyses of rip current rescues in formulation of a predictive index and the identification of major events.** Journal of Coastal Research. (R/C-S-44)
- Thornton, R., and R. Kerr. (in process - 2005). **Examination of stimuli designed to induce pseudopterosin production in the soft coral *Pseudopteroorgia elisabethae*.** (R/LR-MB-8)
- Van Ert, M.N., M. Frodyma, B.J. Baker, A.C. Leonard, and J.E. Grimwade. (in preparation - 2001). **Characterization of bioactive metabolite production in bacteria associated with antarctic and temperate marine invertebrates.** Applied and Environmental Microbiology. (R/LR-MB-4)
- Van Ert, M., B. Gancarz, M. Frodyma, J. Grimwade, B. Baker, and A. Leonard. (awaiting patent clearance - 2001). **Distribution, size, and host-range specificity of plasmids harbored by bacteria associated with antarctic and temperature marine invertebrates.** Applied and Environmental Microbiology. (R/LR-MB-4)
- Watson, G., and T.T. Ankersen. (submitted - 2006). **The Florida Sea Grant and University of Florida Law School partner to support public access policy initiatives.** The Sandbar, National Sea Grant Law Reporter, 5.1: (R/C-P-27)
- Wetherbee, B.M., S.H. Gruber, and R.S. Rosa. (submitted - 2006). **Movement patterns of juvenile lemon sharks (*Negaprion brevirostris*) within a nursery characterized by tidal extremes: Atol das Rocas, Brazil.** Behavioral Ecological Fish. (R-C-E-47)
- Wright, A.C., V. Garrido, G. Debuex, A.A. Mudbidri, M. Farrell-Evans, and W.S. Otwell. (in revisions - 2007). **Post-Harvest processed oysters: Application of QPCR confirmation to *Vibrio vulnificus* most probable number.** Applied and Environmental Microbiology. (R/LR-Q-30)

Wright, A.E., Y. Chen, P. Winder, N. Gulavita, T. Pitts, R.E. Longley, and S.A. Pomponi. (submitted - 2004). **Lasonolide C-G: Five new lasonolide compounds from the sponge.** Journal of Natural Products, 67:1351-1355. (R/LR-MB-17)

Zhang, D., A.L. Rhyne, and J. Lin. (in review - 2006). **Reproductive behavior differences in the two species of *Lysmata* shrimp: Effects of density.** Journal of Exp. Marine Biology Ecology. (E/INDST-2)

V. Graduate Thesis and Dissertations

A. Published

B. Pending

Anton, J.K. (pending - 2007). The effects of prey type on the survivorship and growth of marine-fish larvae. Thesis. Ocean reefs and Aquariums. Florida Institute of Technology. (R/LR-A-41)

Abbasi, H. (pending - 2005). Conus dalli: Isolation and characterization of novel conopeptides from a panamic mollusk-hunting Conus. Dissertation. Department of Chemistry and Biochemistry, Florida Atlantic University. (R/LR-MB-18)

Bouwma, P. (pending - 2006). **Antipredator behavior and morphology of the spiny lobsters *Panulirus argus* and *Panulirus guttatus*.** Dissertation. Florida State University. (R/LR-B-50)

Butler, M.J. IV. (in progress - 2006). **Determination of metabolic rates of Suwannee Regional Reef gag grouper using electron transport system (ETS) assay.** Thesis. University of Florida. (R/LR-B-53)

Cano, H. (pending - 2005). **Novel conopeptides from the venom of *C. purpurascens* and *C. ermineus*.** Dissertation. Department of Chemistry and Biochemistry, Florida Atlantic University. (R/LR-MB-18)

Chapman, D.D. (pending - 2007). **Title to be determined.** Dissertation. Oceanographic Center, Guy Harvey Research Institute, Nova Southeastern University. (R/LR-B-60)

DiBattista J. (pending - 2008). **Breeding biology and genetic structure of lemon shark (*Negaprion brevirostris*) populations in three discrete nursery areas: Bimini, Bahamas; Marquesas Key's, Florida.** Dissertation. Department of Biology, Carleton University, Ottawa, Canada. (R/C-E-47)

Didoha-Cruz, A. (pending - 2006). **Ecologica impact of marine ornamentals aquaculture in the Philippines.** Dissertation. Ocean reefs and Aquariums. Florida Institute of Technology. (R/LR-A-41)

DiGirolami, A. (pending - 2007). **Temperature preference and thermoregulation of lemon shark juveniles in the north sound nursery, Bimini, Bahamas.** Thesis. University of West Florida, Pensacola Florida. (R/C-E-47)

Donahue, S. (pending - 2004). **The ecology of shallow water sponges in the Florida Keys.** Thesis. Old Dominion University. (R/LR-B-50)

El-Wazzan, E. (pending - 2008). **Comparative Growth and Heat Shock Protein Expression of Triploid and Diploid Hard Clams, *Mercenaria mercenaria*.** Dissertation. Department of Biological Sciences. Florida Institute of Technology. (R/LR-A-44)

Franco, A. (pending - 2004). **Novel conopeptides from the venom of *C. regius* and *C. spurius*.** Dissertation. Department of Chemistry and Biochemistry, Florida Atlantic University. (R/LR-MB-18)

Franklin, E.C. (pending - 2004). **Habitat-based assessment protocol for the Florida marine aquaria fishery with application to gray angelfish.** Thesis. University of Miami. 111 p. (R/C-E-50)

Franks, B. (pending - 2007). **The spatial ecology and habitat selection of juvenile lemon sharks (*Negaprion brevirostris*) around Bimini, Bahamas.** Dissertation. Department of Biology, Drexel University. Philadelphia, US. (R/C-E-47)

- Gallaher, A. (pending - 2009). **The Effect of Beach Renourishment on Sea Turtles**. Dissertation. Levin College of Law, University of Florida. (R/C-P-30)
- Goldstein, J. (pending - 2004). **Postlarval settlement responses in Caribbean spiny lobster**. Theseis. Old Dominion University. (R/LR-B-50)
- Gomez, W.M. (pending - 2008). **Title to be determined**. Thesis. University of Florida, Department of Food Science and Human Nutrition. (R/LR-Q-31)
- Jackson, K. (pending - 2007). **Spatial and temporal variation in fish and crustacean assemblages in near-shore environments around Bimini, Bahamas**. Thesis. Department of Marine Science, Murdoch University, Western Australia. (R/C-E-47)
- Junge, C. (pending - 2006). **Genetics and life history of sub-adult lemon sharks at Bimini Bahamas**. Thesis. Department of Biology, University of Rostock, Germany. (R/C-E-47)
- Kwan, J. (pending - 2008). **Title to be determined**. University of Florida. (R/LR-MB-22)
- Locascio, J. (pending - 2008). **Title to be determined**. Thesis. College of Marine Science. University of South Florida. (R/LR-B-58)
- Louder, C. (pending - 2008). **Recruitment dynamics gray Snapper, Lutjanus griseus, among west Florida estuarine systems**. (R/LR-B-59)
- Magnussen, J. E. 2010. **Title to be determined**. Dissertation. Oceanographic Center, Guy Harvey Research Institute, Nova Southeastern University. (R/LR-B-60)
- Matei, E. (pending - 2005). **3D structure and dynamics of conopeptides in solution using nuclear magnetic resonance**. Dissertation. Department of Physics, Florida Atlantic University. (R/LR-MB-18)
- McCrea, A. (pending - 2008). **Title to be determined**. Dissertation. Division of Marine Affairs. University of Miami, Rosenstiel School of Marine and Atmospheric Science. (R/C-E-50)
- Meickle, T. (pending - 2008). **Title to be determined**. Florida Atlantic University. (R/LR-MB-22)
- Molina, H. (pending - 2006). **Title to be determined**. Dissertation. Division of Marine Affairs. University of Miami, Rosenstiel School of Marine and Atmospheric Science. (R/LR-B-47)
- Mora, D. (pending - 2004) **Novel conopeptides from the venom of *C. gladiator***. Thesis. Department of Chemistry and Biochemistry, Florida Atlantic University. (R/LR-MB-18)
- Murray, M. (pending - 2005). **Groundwater discharge in Sarasota Bay**. Dissertation. Department of Oceanography, Florida State University. (R/C-E-44)
- Nagy, B. (in progress - 2004). **Spatio-temporal distribution and abundance of pelagic planktivorous fish in relation to benthic habitat**. Dissertation . Department of Fisheries and Aquatic Sciences, University of Florida. (R/LR-B-53)
- Nissmen, L.D. (pending - 2004). **Investigation of the blood ark, *Anadara ovalis*, and ponderous ark, *Noetia ponderosa*, reproduction and development**. Thesis. Environmental Biology. Florida Atlantic University. (R/LR-37-PD)
- Ochsenius, M. (pending - 2008). **Title to be determined**. Thesis. University of Florida, Department of Food Science and Human Nutrition. (R/LR-Q-31)
- Pflueger, F.C. (pending - 2004). **Novel conopeptides from the venom of *C. brunneus***. Dissertation. Department of Chemistry and Biochemistry, Florida Atlantic University. (R/LR-MB-18)

- Pisarewicz, Katarzyna. (pending - 2004). **Novel conopeptides from the venom of *C. mus***. Thesis. Department of Chemistry and Biochemistry, Florida Atlantic University. (R/LR-MB-18)
- Powaser, C. (pending - 2010). **Global-scale population genetic structure in sharks**. Dissertation. Oceanographic Center, Guy Harvey Research Institute, Nova Southeastern University. (R/LR-B-56)
- Randall, M.T. (pending - 2004). **Tentative project "the ecology of drift macroalgae in a relatively undisturbed shallow water estuary along the Gulf Coast of Florida"**. Thesis. Department of Fisheries and Aquatic Sciences, University of Florida. (R/LR-B-46)
- Rhyne, A.L. (pending - 2006). **Title to be determined**. Dissertation. Biology Department. Florida Institute of Technology. (E/INDST-2)
- Richards, V. 10-2005. **Title to be determined**. Dissertation. Oceanographic Center, Nova Southeastern University. (R/LR-B-60)
- Sedlacek, C. (pending - 2007.) **Title to be Determined**. Dissertation. Department of Oceanography, Florida State University. (R/LR-A-36)
- Smith, J. (pending - 2005). **Title?** Thesis. (R/LR-Q-24).
- Stalker, J. (pending - 2008). **The use of natural chemical tracers to evaluate point and non-point source freshwater inputs to Biscayne Bay**. Dissertation. Department Earth Sciences. Florida International University. (R/C-E-51)
- Syvertsen, D. (pending - 2009) **Title to be determined**. Thesis. College of Engineering Department of Marine and Environmental Systems, Florida Institute of Technology. (PD-04-10)
- Taori, K. (pending - 2008). **Title to be determined**. University of Florida. (R/LR-MB-22)
- Teare, B. (pending - 2005). **Multiple habitat utilization by a coastal fish: Diel, seasonal and ontogenetic movement of gray snapper (*Lutjanus griseus*)**. Thesis. Division of Marine Affairs. University of Miami, Rosenstiel School of Marine and Atmospheric Science. (R/C-E-48)
- Williams, O. (pending - 2004). **Novel conopeptides from the venom of *C. jaspedius***. Thesis. Department of Chemistry and Biochemistry, Florida Atlantic University. (R/LR-MB-18)
- Wittenrich, M.L. (pending - 2007). **Variation in the development of feeding mechanism and feeding performance in coral reef fishes**. Thesis. Ocean Reefs and aquariums. Florida Institute of Technology. (R/LR-A-41)
- Yan, Z. (pending - 2006). **Background noise cancellation and detection of underwater acoustic signals**. Dissertation. Department of Mechanical and Aerospace Engineering, University of Florida. (R/MI-13)
- Zhang, Y. (pending - 2007). **Title to be determined**. University of Florida. (R/C-S-46)
- Zhang, Y. (pending - 2008). **Title to be determined**. University of Florida. (R/C-S-47)

VI. Florida Sea Grant Extension Publications

A. Published

Florida Sea Grant College Program. 2008. **Florida Sea Grant college program directory 2008 through 2010**. SGEF-167. (SGEP-14)

VII. Extension Newsletters

A. Published

Fleuch, B and J. Hazell. 2008. (SGEP-14)
Latino Environmental Education Network Newsletter. 4 p.
Summer 2008 2(2)

Stevely, J.M. 2008. Manatee County Extension Services (SGEP-14)
The Marine Scene. 6 p.
January - February 49(1)
March - April 49(2)
May - June 49(3)
July - October 49(4)
November - December 49(5)

VIII. Miscellaneous Papers, Articles and Conference Proceeding

A. Published

B. In Press

Benetti, D.D. and M.R. Orhun. (in press - 2006). **Cobia (*Rachycentron canadum*).** FAO/FIRI - Inland
Water Resources and Aquaculture Service (FIRI) 2004-05 Fact Sheet. Food and Agriculture
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I. Florida Sea Grant Report

A. Published

II. Florida Sea Grant Technical Paper

A. Published

Florida Sea Grant. 2007. **Florida Sea Grant College Program Year 2007 work plan.** TP-158.(M/PM-14)

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V. **Graduate Thesis and Dissertations**

A. **Published**

VI. **Florida Sea Grant Extension Publications**

A. **Published**

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VII. **Extension Newsletters**

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At the Waters Edge. 4 p.
February - March 6(1)

Stevely, J.M. 2007. Manatee County Extension Services (SGEP-13)
The Marine Scene. Six Editions-Bimonthly. 6 p.
January - February 48(1)
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May - June 48(3)
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A. **Published**

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I. Florida Sea Grant Report

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II. Florida Sea Grant Technical Paper

A. Published

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III. Books and Book Chapters

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- Boehnlein, J.M. 2006. **Origin and Mechanism of Terpene biosynthesis in *Pseudopterogorgia* spp.** Dissertation. Department of Chemistry and Biochemistry, Florida Atlantic University. (R/LR-MB-14)
- Collins, J.F. 4-2006. **CEOAP Demonstration Project Cape Eleuthera, Bahamas.** Thesis. Division of Marine Affairs, University of Miami, Rosenstiel School of Marine and Atmospheric Science. (R/LR-A-42)
- Cummins, J.R. 12-2006. **Improving rip current forecasting techniques for the east coast of Florida.** Thesis. Civil and Coastal Engineering, University of Florida. (R/C-S-44)
- Donnelly, M. 5-2006. **Is the exotic Brazilian pepper, *Schinus terebinthifolius*, a threat to mangrove ecosystems in Florida?** Thesis. Department of Biology, University of Central Florida. (R/C-E-45)
- Feeley, M.W. 6-2006. **Bioenergetics of juvenile cobia and billfish.** Dissertation. Department of Aquaculture, University of Miami. (R/LR-A-35)

- Garcia, F. 12-2006. **Cost Effectiveness of Mitigation Measures in Florida.** Thesis. Department of Civil Engineering, Florida Institute of Technology. (R/C-S-45)
- Jones, M.K. 5-2006. **Regulation of phase variation and deletion mutation in the *Vibrio vulnificus* Group 1 CPS operon.** Dissertation. Food Science and Human Nutrition, University of Florida. (R/LR-Q-27)
- Laramore, S.E. 5-2006. **Genomic and virulence characterization of seven geographic isolates of the white spot syndrome virus.** Dissertation. Department of Biological Sciences, Florida Institute of Technology. (R/LR-A-31)
- Marecaux, E.N. 5-2006. **Effects of potassium permanganate on the sailfin molly, *Poecilia Latippinna*, at varying salinity levels.** Thesis. Department of Fisheries and Aquatic Sciences, University of Florida. (R/LR-A-30)
- Moller, C. 1-2006. **Novel conopeptides from the venom of *C. floridanus* and *C. villepini*.** Dissertation. Department of Chemistry and Biochemistry, Florida Atlantic University. (R/LR-MB-18)
- Stiner, J. 5-2006. **Predation on the eastern oyster *Crassostrea virginica* on intertidal reefs affected by recreational boating.** Thesis. Department of Biology, University of Central Florida. (R/C-E-45)

VI. Florida Sea Grant Extension Publications

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- Florida Sea Grant College Program. 2006. **Florida Sea Grant college program directory 2006 through 2008.** SGEF-165. (SGEP-13)
- Swett, R. A., and D. A. Fann. 2006. **Navigational, Historical, and Environmental Perspective of Jupiter Inlet and Loxahatchee River.** SGEF-057. (SGEP-13)
- Wasno, R. 5-2006. **A practical guide to assembling and using a fish resuscitation system for Florida catch-and-release fishing tournaments.** SGEF-166. (SGEP-13)

VII. Extension Newsletters

A. Published

- Bradway, M. 2006. Miami-Dade County. (SGEP-13)
At the Waters Edge. 4 p.
 August - September 5(4)
 October - November 5(5)
- Gregory, D. 2006. UF/IFAS/Monroe County Extension (SGEP-13)
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February X(1)
May X(2)

Sweat, D.E. 2006 . Citrus County Extension Newsletter. (SGEP-13)
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April 1(2)

VIII. Miscellaneous Papers, Articles and Conference Proceeding

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Baker, S. M., D. Petty, R.T. Francis-Floyd, R. P. Yanong, and L.N. Sturmer. 2006. **Introduction to Infectious Diseases in Hard Clams**. University of Florida IFAS Extension, EDIS, FA125:1-7. (SGEP-13)

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CALENDAR YEAR 2005

I. Florida Sea Grant Report

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Florida Sea Grant College Program. 2005. **Florida Sea Grant College program strategic plan 2006 - 2009.** TP-144. (M/PM-13)

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III. Books and Book Chapters

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Marcus, N.H. 2005. **Calaniod copepods, resting eggs, and aquaculture.** In: C-S Lee, P.J. O'Bryen, and N.M. Marcus (Eds.), *Copepods in Aquaculture.* pp. 3-9. Ames, Iowa: Blackwell Publishing. (R/LR-A-37)

Turingan, R.G., J.L. Beck, J.M. Krebs, and J.D. Licamele. 2005. **Development of feeding mechanics in marine fish larvae and the swimming behavior of zooplankton prey: Implications for rearing**

marine fishes. *In:* C-S Lee, P.J. O'Bryen, and N.M. Marcus (Eds.), *Copepods in Aquaculture*. pp. 119-132. Ames, Iowa: Blackwell Publishing Professional. (R/LR-A-41)

IV. Journal Articles

A. Published

Abercrombie, D.L., S.C. Clarke, and M.S. Shivji. 2005. **Global-scale genetic identification of hammerhead sharks: Application to assessment of the international fin trade and law enforcement.** *Conservation Genetics* 6:775-788. (R/LR-B-56)

Ault, J.S., S.G. Smith, and J.A. Bohnsack. 2005. **Evaluation of average length as an estimator of exploitation status for the Florida coral-reef fish community.** *ICES Journal of Marine Science* 62(3):417-423. (R/C-E-50)

Barker, M. J., S.H. Gruber, S.P. Newman, and V. Schluessel. 2005. **Spatial and ontogenetic variation in growth of nursery-bound juvenile lemon sharks, *Negaprion brevirostris*: A comparison of two age-assessing techniques.** *Environmental Biology of Fishes*, 72(3):343-355. (R/C-E-47)

Butler, M.J. IV, T. Dolan, J. H. Hunt, W. F. Herrnkind, and K. Rose. 2005. **Recruitment in degraded marine habitats: A spatially-explicit, individual-based model for spiny lobster.** *Ecological Applications* 15: 902-918. (R/LR-B-50)

Clarke, S., J.E. Magnussen, D.L. Abercrombie, M. McAllister, and M.S. Shivji. 2005. **Identification of shark species composition and proportion in the Honk Kong shark fin market using molecular genetics and trade records.** *Conservation Biology* 20(1):201-211. (R/LR-B-54)

Edren, S. M. C. and S. H. Gruber. 2005. **Homing ability of young lemon sharks, *Negaprion brevirostris*.** *Environmental Biology of Fishes*, 72(3):267-281. (R/C-E-47)

Fik, T., C. Sidman, B. Sargent, and R. Swett. 2005. **A methodology for delineating a primary service area for recreational boaters using a public access ramp: A case study of Cockroach Bay.** *The Florida Geographer* 36: 23-40. (Ex-FWCC-1)

Garrido, L.R., and S. Otwell. 2005. **What is chem-free shrimp?** *Global Aquaculture Advocate* 8(4):30-32. (SGEP-13)

Humston, R., J.S. Ault, M.F. Larkin, and J. Luo. 2005. **Movements and site fidelity of bonefish *Albula vulpes* in the northern Florida Keys determined by acoustic telemetry.** *Marine Ecology Progress Series* 291:237-248. (R/C-E-50)

Jiang, D., J.L. Rocha, S. Otwell, and S. Moss. 2005. **Potential of genetic selection for shrimp carcass, meat traits.** *Global Aquaculture Advocate* 8(1):57-58. (SGEP-13)

MacMahan, J., E. Thornton, T. Stanton, and A. Reniers. 2005. **RIPEX: Observations of a rip current system.** *International Journal of Marine Geology, Geochemistry and Geophysics*, 218(1-4):113-134. (R/C-S-42)

Quevedo, A., J. Smith, G.E. Rodrick, and A.C. Wright. 2005. **Ice immersion as a postharvest treatment of oysters for the reduction of *Vibrio vulnificus*.** *Journal of Food Protection* 68(6): 1192-1197. (R/LR-Q-27)

Pinelli, J.-P., C. S. Subramanian, C. Lapilli, and L. Buist. 2005. **Application of a wireless pressure sensing system to coastal wind monitoring.** *Wind and Structures*, 8(3):179-196. (R/C-S-43)

- Rotman, F.J. D.D. Benetti, E. DeMicco, and M.R. Orhun. 5-2005. **Larval rearing of spotted seatrout, *Cynoscion nebulosus* (Sciaenidae) using probiotics as microbial control agent.** Journal of Aquaculture Tropics, 20(2):175-184. (R/LR-A-42)
- Shivji, M.S., D.D. Chapman, E.K. Pikitch, and P.W. Raymond. 2005. **Genetic profiling reveals illegal international trade in fins of the great white shark, *Carcharodon carcharias*.** Conservation Genetics 6(6) pp. 1035-1039. (R/LR-B-56)
- Sidman, C., and T. Fik. 2005. **Modeling spatial patterns of recreational boaters: Vessel, behavioral, and geographic considerations.** Leisure Sciences 27:175-189. (R/C-P-24)
- Subramanian, C. S., J.-P. Pinelli, C.D. Lapilli, and L. Buist. 2005. **A wireless multipoint pressure sensing system: Design and operation.** IEEE Sensors Journal, 5(5):1066-1074. (R/C-S-43)
- Yan, Z., C. Niezrecki, L. Cattafesta, and D.O. Beusse. 6-2005. **Background noise cancellation for improved acoustic detection of manatee vocalizations.** Journal of the Acoustical Society of America, 117(6):3566-3573. (R/MI-13)

V. Graduate Thesis and Dissertations

A. Published

- Valero-Aracama, C. 2005. **Physiological and anatomical basis for differences in growth performance during *in Vitro* and *ex Vitro* culture of sea oats (*Uniola paniculata L.*).** Dissertation. Environmental Horticulture. University of Florida. (R/C-S-41)
- Berens, E.J. 5-2005. **Gastric evacuation and digestion state indices for gag *Mycteroperca microlepis* consuming fish and crustacean prey.** Thesis. Fisheries and Aquatic Sciences, University of Florida. (R/LR-B-53)
- Boudreaux, M. 12-2005. **Native and invasive competitors of the eastern oyster *Crassostrea virginica* in Mosquito Lagoon, Florida.** Thesis. Department of Biology, University of Central Florida. (R/C-E-45)
- DiFrenna, V.J. 2005. **Effects of scaling in hydraulic conductivity in a karst aquifer.** Thesis. Department of Earth Sciences. Florida International University. (R/C-E-51)
- Dulaiova, H. 8-2005. **Multiple isotopic traces for the study of coastal hydrological processes.** Dissertation. Department of Oceanography, Florida State University. (R/C-E-42)
- Ferns, T.A. 2005. **Elucidation of Pseudopteroin Biosynthesis: Oxidation of erogorgiaene and the intermediacy of seco-pseudopteroin.** Dissertation. Department of Chemistry and Biochemistry. Florida Atlantic University. (R/LR-MB-8)
- Henning, M. 10-2005. **Highly streamlined PCR-based genetic identification of carcharhinid sharks (Family Carcharhinidae) for use in wildlife forensics, trade monitoring, and delineation of species distributions.** Thesis. Oceanographic Center, Guy Harvey Research Institute, Nova Southeastern University. (R/LR-B-56)
- Larsen, S. J. 12-2005. **Influence of high-resolution spatial information on resource exploitation: An example from angler impacts on artificial reefs.** Thesis. Fisheries and Aquatic Sciences, University of Florida. (R/LR-B-53)
- Magnussen, J. E. 2005. **DNA Diagnostics for internationally protected and commercially traded shark species.** Thesis. Oceanographic Center, Guy Harvey Research Institute, Nova Southeastern University. (R/LR-B-54)

Martin, J. L. 12-2005. **Use of bacteriophages to decontaminate naturally and experimentally infected oysters of *Vibrio vulnificus***. Thesis. Molecular Genetics & Microbiology, University of Florida. (R/LR-Q-24)

Richards, V. 10-2005. **Genetic connectivity throughout Florida and the Caribbean: Comparative phylogeography of diverse reef taxa with contrasting reproductive strategies**. Thesis. Oceanographic Center, Nova Southeastern University. (R/LR-B-56)

VI. Florida Sea Grant Extension Publications

A. Published

Florida Sea Grant, Florida Fish and Wildlife Conservation Commission's Fish and Wildlife Research Institute, and Duval Audubon Society. 2005. **Boating and angling guide to Duval County**. SGEF-163. (SGEP-13)

Florida Sea Grant Extension Program. 2005. **Venting - A guide to releasing reef fish with ruptured swimbladders**. SGEF-162. (SGEP-13)

Seaman, W.S. 2005. **Marine biotechnology research, development and education: Florida sea grant science promotes and adds value to ocean resources**. SGEF-164. (M/PM-13)

Staugler, B. 2005. **Boating and angling guide to charlotte harbor**. SGEB-61. (SGEP-13)

Swett, R.A., and D.A. Fann. 2005. **The regional waterway management system: A tool for balancing coastal resource use and protection**. SGEF-161. (R/C-P-24)

Swett, R. A., and D. A. Fann. 2005. **Navigational, historical, and environmental perspective of St. Augustine waterways**. SGEB-59. (SGEP-13)

VII. Extension Newsletters

A. Published

Crane, M. 2005. Miami-Dade County. **At the Waters Edge**. 4 p. December - January 5(1) (SGEP-13)

Gregory, D. 2005. UF/IFAS/Monroe County Extension **Educating with Extension**. 4 p. (SGEP-13)
January 4(1)
March 4(2)
April 4(4)
May 4(5)
June 4(6)
July 4(7)
August 4(8)
September 4(9)
October 4(10)
December 4(12)

McGuire, M.P. 2005. St. Johns Ag. Center. **Aqua Notes**. 6 p. February 5(1) (SGEP-13)

May 5(2)

- Stevely, J.M. 2005. Manatee County Extension Services (SGEP-13)
The Marine Scene. Six Editions-Bimonthly. 6 p.
January - February 46(1)
March - April 46(2)
May - June 46(3)
July - August 46(4)
September - October 46(5)
- Sturmer, L. 2005. Levy County: Cooperative Extension Service (SGEP-13)
The Bivalve Bulletin. 6 p.
February IX(1)
March IX(2)
- Sweat, D.E. 2005. Pasco County Extension Newsletter. (SGEP-13)
Marine Times. 8p.
July - September 28(3)

VIII. Miscellaneous Papers, Articles and Conference Proceeding

A. Published

- Benetti, D.D., L. Brand, J. Collins, B. O'Hanlon, C. Maxey, A. Danylchuk, D. Alston, A. Cabarcas, and M.R. Orhun. 2005. **Offshore aquaculture of marine finfish in the Caribbean.** *In:* 2nd International Sustainable Marine Fish Culture Conference and Workshop, October 19-21, 2005, HBOI, Fort Pierce, FL. pg. 31. (R/LR-A-42)
- Benetti, D.D., M. Nakada, S. Shotton, C. Poortenaar, P. Tracy, and W. Hutchinson. 2005. **Aquaculture of three species of yellowtail jacks.** *In:* Aquaculture in the 21st Century, A. Kelly and J. Silverstein, eds. American Fisheries Society Symposium, 46: 491-515. (R/LR-A-42)
- Creswell, R.L. (Ed). 2005. **GCFI proceedings of the fifty-sixth annual Gulf and Caribbean Fisheries Institute.** Roadtown, Tortola, British Virgin Islands, November 2003. (SGEP-13)
- Degner, R. L., T. Southwell, L.N. Sturmer, and K.L. Morgan. 2005. **Marketing opportunities for blood ark clams and ponderous ark clams.** University of Florida IFAS Extension, EDIS, FE 478:1-3. (SGEP-13)
- O'Hanlon, B. and D.D. Benetti. 2005. **Offshore aquaculture: The industry perspective.** *In:* 2nd international sustainable marine fish culture conference and workshop, October 19-21, 2005, HBOI, Fort Pierce, FL, pg. 32. (R/LR-A-42)
- Orhun, M.R., D.D. Benetti, I. Zink, J. Collins, P. Rice, F. Cavalin, B. Sardenberg, and P.A Douillet. 2005. **Progress in hatchery development of cobia (*Rachycentron canadum*) at the University of Miami Experimental Hatchery (UMEH).** *In:* 2nd International Sustainable Marine Fish Culture Conference and Workshop, October 19-21, 2005, HBOI, Fort Pierce, FL, pg. 4. (R/LR-A-42)
- Pinelli, J.-P, C. S. Subramanian, C. Lapilli, and L. Buist. 2005. **Development of a wireless pressure sensing system for coastal wind monitoring.** *In:* The fourth European and African Conference on Wind Engineering, Prague, July 11-15, 2005, paper #225:1-9. (R/C-S-43)
- Sturmer, L. N., K.L. Morgan, and R.L. Degner. 2005. **Nutritional composition and marketable shelf-life of blood ark clams and ponderous ark clams.** University of Florida IFAS Extension, EDIS, FE 568:1-6. (SGEP-13)

- Subramanian, C. S., J.-P. Pinelli, C. Lapilli, and L. Buist. 2005. **A remote multi-point pressure sensing system**. *In*: 43rd AIAA Aerospace Sciences Meeting and Exhibit, Reno, Nevada, January 10-13. pp. 1-15. (R/C-S-43)
- Subramanian, C. S., J.-P. Pinelli, and C. Lapilli. 2005. **Wireless pressure sensing during Florida 2004 hurricanes**. *In*: CD: 10th Americas Conference on Wind Engineering, Baton Rouge, Louisiana, May 31- June 4, 2005. (R/C-S-43)
- Watanabe, W.O., D.D. Benetti, M.W. Feeley, D.A. Davis and R.O. Phelps. 2005. **Status of artificial propagation of mutton, yellowtail and red snapper (family Lutjanidae) in the Southeastern United States**. *In*: Aquaculture in the 21st Century, A. Kelly and J. Silverstein, eds. American Fisheries Society Symposium, 46: 517-540. (R/LR-A-42)
- Whetstone, J. M., Sturmer, L. N., and Oesterling, M. J. 8-2005. **Biology and culture of the hard clam (*Mercenaria mercenaria*)**. USDA Southern Regional Aquaculture Center Publications, SRAC 433:1-8. (SGEP-13)

IX. Websites

A. Published

- Florida Sea Grant Home Page
www.flseagrant.org
- Florida Bay
www.flseagrant.org
- Seafood Science and Technology
www.sst.ifas.ufl.edu
- Anchorage Inventory
www.flseagrant.org/program_areas/boating/anchorage/anchorage_inventory.htm
- Non-Native Invasive Aquatic and Wetland Plants in the United States
www.plants.ifas.ufl.edu/seagrant/aquinv.html. Vic Ramey.
- Escambia County Marine Extension.
www.escambia.ifas.ufl.edu/marine. Andrew P. Diller
- The Miami-Dade County Sea Grant Extension Program.
www.miami-dade.ifas.ufl.edu/programs/seagrant.htm. Marella Crane.
- REDstart Fisheries Enhancement Project
www.lee-county.com/extensionservices/marine.htm. Bob Wasno.
- UF/Monroe County Extension Service.
www.monroe.ifas.ufl.edu/mces3.htm. Doug Gregory
- St. Johns County - Northeast Marine Extension.
www.stjohns.ifas.ufl.edu/sea/seagrant.htm. Maia P McGuire

CALENDAR YEAR 2004

I. Florida Sea Grant Reports

A. Published

National Seafood HACCP Alliance. 2004. HACCP: Programa de capacitacion en analisis de peligros y puntos criticos de control. Seafood HACCP Alliance Course - Fourth Edition for Training and Education. SGR-125. (SGR-120 in Spanish). (E/TP-2)

II. Florida Sea Grant Technical Papers

A. Published

Cato, J. 2004. **An investment in Florida's future: Sea Grant sponsored graduate education 2004.** TP-140. (M/PM-13)

Florida Sea Grant. 2004. **Florida Sea Grant College Program Year 2004 work plan.** TP-137. (M/PM-13)

Florida Sea Grant. 2004. **Performance counts: Annual progress report for 2003.** TP-135. (M/PM-13)

Florida Sea Grant. 2004. **Florida Sea Grant College Program 2004-2005 implementation plan.** TP-131. (M/PM-13)

Schrope, M., and W.S. Seaman. 2004. **The promise of marine biotechnology in Florida.** TP-132. (M/PM-13)

Schrope, M. 2004. **Marine biotechnology research in Florida Sea Grant 1996-2003: An outreach and communication foundation.** TP-134. (PD-03-03)

Sidman, C., T. Fik, and B. Sargent. 2004. **A recreational boating characterization for Tampa and Sarasota Bays.** TP-130. (R-C-P-24)

Swett, R., C. Sidman, T. Fik, and B. Sargent. 2004. **Florida's vessel title registration system as a source of boat locations and characteristics.** TP-138. (R/C-P-25-PD)

III. Books and Book Chapters

A. Published

Adams, C., W. Keithly, and S. Versaggi. 2004. **The shrimp import controversy.** Chapter 15 of international agricultural trade disputes - case studies in North America. Ed. A. Schmitz, C. Moss, T. Schmitz, and W. Koo. The University of Calgary Press. Alberta, Canada. pp. 225-244. (SGEP-13)

IV. Journal Articles

A. Published

Adams, C. E. Hernandez, and J. Cato. 2004. **The economic significance of the Gulf of Mexico related to population, income, employment, minerals, fisheries, and shipping.** Journal of Ocean and Coastal Management, 47(2004):565-580. (SGEP-13)

- Adams, C., and L. Sturmer. 2004. **Hard clam culture: A commercial success story in Florida.** World Aquaculture 35(3):56-60. (SGEP-13)
- Adams, C., L. Sturmer, A. Hodges, and D. Mulkey. 2004. **The economic impact of the culture hard clam industry in Florida.** Journal of Applied Aquaculture 15(1/2):85-99. (SGEP-13)
- Benetti, D.D. 10-2004. **Offshore cages survive hurricanes.** Global Aquaculture Alliance Technical Magazine, Vol. 7(5): 52-53. (R/LR-A-42)
- Bretos, F., J. Collins, J. Pruchniewski, I. Zink and D. D. Benetti. 4-2004. **Shrimp marketing: Time for campaign to increase U.S. shrimp consumption.** Global Aquaculture Alliance Technical Magazine, 7(2): 22-23. (R/LR-A-42)
- Cato, J. C. 2004. **Cleaner coastal waters with science and education.** Water Resources: Impact. 6(6):17-20. (M/PM-13)
- Coleman, F.C., P. Baker, and C. Koenig. 2004. **A review of Gulf of Mexico marine protected areas: Successes, failures and lessons learned.** Fisheries 29(2):10-21. (R/LR-B-51)
- Dillon, K. and J. Chanton. 2004. **Nutrient transformations between rainfall and stormwater runoff in an urbanized coastal environment, Sarasota Bay, Florida.** Limnology and Oceanography, 50:62-69. (R/C-E-44)
- Feldheim, K.A., S.H. Gruber, and M. V. Ashley. 2004. **Reconstruction of parental microsatellite genotypes reveals female polyandry and philopatry in the lemon shark, *Negaprion brevirostris*.** Evolution, 58 (10):2332-2342. (R/C-E-47)
- Greenawalt, J.M., T.K. Frazer, S.R. Keller, and C.A. Jacoby. 2004. **Abundance and size of bay scallops in heterogeneous seagrass habitats along the Gulf coast of Florida.** Gulf of Mexico Marine Science, 22(1), 74-84. (SGEP-13)
- Harwood, V., J.P. Ghandi, and A.C. Wright. 2004. **Methods for isolation and confirmation of *Vibrio vulnificus* from oysters and environmental sources: A review.** Journal of Microbial Methods, 59: 301-316. (R/LR-MB-15)
- Humston, R., D.B. Olson, and J.S. Ault. 11-2004. **Behavioral assumptions in models of fish movement and their influence on population dynamics.** Transactions of the American Fisheries Society, 133(6):1304-1328. (R/C-E-50)
- Joseph, L. A. and A. C. Wright. 2004. ***Vibrio vulnificus* capsular polysaccharide inhibits boil formation.** Journal of Bacteriol. 186:889-893. (R/LR-MB-15)
- Kohl, A. and R. Kerr. 2004. **Pseudopterostin biosynthesis: Aromatization of the diterpene cyclase product, elisabethatriene.** Marine Drugs, 1:54-65. (R/LR-MB-14)
- Kohl, A. and R. Kerr. 2004. **Identification and characterization of the pseudopterostin diterpene cyclase, elisabethatriene synthase, from the marine gorgonian, *Pseudopterogorgia elisabethae*.** Arch. Biochem. Biophys. 424:97-104. (R/LR-MB-14)
- Larkin, S.L., W. Keithly, C.M. Adams, and R.F. Kazmierczak Jr. 2004. **Buyback programs for capacity reduction in the U.S. Atlantic shark fishery.** Journal of Agriculture & Applied Economics 36(2):317-332. (SGEP-13)
- MacMahan, J.H., A. Reniers, T.P. Stanton, and E.B. Thornton. 2004. **Infragravity rip current pulsations.** Journal of Geological Research 109(C01033):1-9. (R/C-S-42)

- Meester, G.A., A. Meharotra, J.S. Ault, and E.K. Baker. 8-2004. **Designing marine reserves for fishery management.** Journal of Management Science, 50(8):1031-1043. (R/LR-B-47)
- Mendoza, T.E., B.A. Welt, W.S. Otwell, A.A. Teixeira, H. Kristonsson and M.O. Balaban. 2004. **Kinetic parameter estimation of time-temperature integrators intended for use with packaged fresh seafood.** Journal of Food Science 69(3):90-96. (R/LR-Q-22)
- Phillips, R., C. Niezrecki, and D.O. Beusse. 1-2004. **Determination of West Indian manatee vocalization levels and rate.** Journal of the Acoustical Society of America, 115(1):422-428. (R/MI-13)
- Stringer, C.E. and W.C. Burnett. 12-2004. **Sample bottle design improvements for radon emanation analysis of natural waters.** Journal of Health Physics, 87(6):642-646. (R/C-E-44)

V. Graduate Theses and Dissertations

A. Published

- Chatzidaki-Lavanis, M. 2004. **Relationship of the *Vibrio vulnificus* group 1-like capsular polysaccharide operon to phase variation.** Dissertation. Food Science and Human Nutrition, University of Florida. (R/LR-Q-27)
- Didoha, A.V. 2004. **A Review on the probiotics in finfish culture and preliminary research on the employment of probiotics in early developmental stages of cobia, *Rachycentron canadum*.** Thesis. Rosenstiel School of Marine and Atmospheric Science. University of Miami. (R/LR-A-40)
- Gray, M. 2004. **Detection and quantification of *Karenia brevis* by carbon fixation gene expression analysis.** Thesis. College of Marine Science. University of South Florida. (R/LR-MB-12)
- Gutierrez, E. 2004. **Effects of longshore currents on rip currents.** Thesis. Department of Civil and Coastal Engineering, University of Florida. (R/C-S-42)
- Jepson, M.E. 2004. **The impact of tourism on a natural resource community: Cultural resistance in Cortez, Florida.** Dissertation. Anthropology, University of Florida. (Aylesworth)
- Kline, R.J. 12-2004. **Metabolic rate of the gag grouper *Mycteroperca microlepis* in relation to swimming speed, body size and seasonal temperature.** Thesis. Fisheries and Aquatic Sciences, University of Florida. (R/LR-B-53)
- Lapilli, C. D. 7-2004. **Wireless pressure monitoring system.** Thesis. Civil Engineering Department Florida Institute of Technology. (R/C-S-43)
- Lear, J.A. 2004. **Strong interactions between juvenile Caribbean spiny lobster (*Panulirus argus*) and Caribbean reef octopus (*Octopus briareus*) in the Florida Keys.** Thesis. Department of Biological Sciences. Old Dominion University. (R/LR-B-50)
- Licamele, J. 2004. **Linking prey selectivity with feeding functional morphology in marine fish larvae.** Thesis. Florida Institute of Technology. (R/LR-A-38)
- Liss, J.L. 2004. **The ecology of drift algae in the Indian River Lagoon, Florida.** Thesis. Department of Biology, University of Central Florida. (R/C-E-45)
- Murphy, A. 5-2004. **Estuary use planning and the application of terrestrial zoning principles in an estuarine system [electronic resource]: A case study of the Guana Tolomato Matanzas National Estuarine Research Reserve.** Dissertation. School of Natural Resources and the Environment, University of Florida. (R/C-P-27)

- Nielsen, J.T. 2004. **Molecular genetic approaches to species identification and delineation in elasmobranchs.** Thesis. Oceanographic Center, Nova Southeastern University. (R/LR-B-54)
- Nissman, L. 2004. **Diversification for the hard clam aquaculture industry through investigation of the blood ark, *Anadara ovalis*, and ponderous ark, *Noetia ponderosa*, reproduction and development.** Thesis. Department of Biological Sciences. Florida Atlantic University. (R/LR-A-37)
- Park, Y.C. 2004. **Chemical investigation of three Antarctic marine sponges.** Dissertation. Chemistry Department University of South Florida. (R/LR-MB-10)
- Peeler, K. 2004. **Caffeine as an anthropogenic source indicator in freshwater and marine systems.** Thesis. Department of Oceanography, Florida State University. (R/C-E-44)
- Robinson, N. 2004. **Interactions between the nudibranch *Okenia Zoobotryon* and its bryozoan prey *Zoobotryon erticillatum*.** Thesis. Department of Biology, University of Central Florida. (R/C-E-45)
- Schrader, M. 2004. **Evaluation of the modified ECFL LURCS rip current forecasting scale and conditions of selected rip current events in Florida.** Thesis. Department of Civil and Coastal Engineering, University of Florida. (R/C-S-42)
- Stringer, C. E. 2004. **Assessment of groundwater discharge to Lake Barco via radon tracing.** Thesis. Department of Oceanography. Florida State University. (R/C-E-44)
- Wall, L. 2004. **Impacts of recreational boating activities on intertidal oyster reefs.** Thesis. Department of Biology. University of Central Florida. (R/C-E-45)
- Wilson, J.A. 2004. **Habitat quality, competition, and recruitment processes in two marine gobies.** Dissertation. Zoology. University of Florida. (R/LR-B-52)

VI. Florida Sea Grant Extension Publications

A. Published

- Diller, A. 2004. **Turtle friendly beach program.** Florida Sea Grant. University of Florida. SGEF-160. (SGEP-13)
- Florida Sea Grant College Program. 2004. **Science serving Florida's coast: Florida Sea Grant program directory 2004-2006.** SGEF-159. (SGEP-13)
- Jacoby, C.A. and L. Walters. 2004. **Can we stop "killer algae" from invading Florida?** SGEF-155. (PD-01-07)
- Jacoby, C.A., L. Walters, S. Baker, and K. Blyler. 2004. **A Primer on invasive species in coastal and marine waters.** SGEF-60. University of Florida: Department of Fisheries and Aquatic Sciences. (PD-01-07)
- Jacoby, C.A. and L. Walters. 2004. **Are native and nonindigenous seaweeds overgrowing Florida's east coast reefs?** SGEF-156. (PD-01-07)
- Seaman, W. 2004. **Artificial reef monitoring in Florida coastal counties.** SGEF-58. (M/PM-13)
- Sweat, D. E. 2004. **Recreational harvesting of the Florida Bay scallop.** SGEF-153, revised. (SGEP-13)
- Swett, R., C. Sidman, T. Fik, and B. Sargent. 2004. **Florida's vessel title registration system as a source**

of boat locations and characteristics: A case study in lee and manatee counties - summary report.
SGEF-148. (R/C-P-25PD)

VII. Extension Newsletters

A. Published

- Gregory, D. 2004. UF/IFAS/Monroe County Extension (SGEP-13)
Educating with Extension. 4p.
January 3(1)
February 3(2)
March 3(3)
April 3(4)
May & June 3(5-6)
July 3(7)
August 3(8)
September 3(9)
October 3(10)
November 3(11)
December 3(12)
- McGuire, M.P. 2004. St. Johns Ag. Center. (SGEP-13)
Aqua Notes. 6 p.
February 4(1)
May 4(2)
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November 4(4)
- Sturmer, L. 2004. Levy County: Cooperative Extension Service (SGEP-13)
The Bivalve Bulletin. 6 p.
January VIII(1)
July VIII(2)
October VIII(3)
- Stevely, J.M. 2004. Manatee County Extension Services (SGEP-13)
The Marine Scene. Six Editions-Bimonthly. 6 p.
January - February 45(1)
March - April 45(2)
May - June 45(3)
July-August 45(4)
September - October 45(5)
November - December 45(6)
- Sweat, D.E. 2004. Pasco County Extension Newsletter. (SGEP-13)
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X. Home Page

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