

NOAA's Undersea Research Center at the University of North Carolina Wilmington

Aquarius Reef Base Referred Publications

1988 - 2007

Updated: March 5, 2007

- Abgrall, M. J. and L. J. Walters. 2003. Temporal Diversity and Abundance of Drift Macroalgae and Associated Organisms in Mosquito Lagoon, Volusia County, Florida. *Florida Scientist* 66:113-127.
- Alker AP, GW Smith, K Kim. 2001. Characterization of *Aspergillus sydowii*, a fungal pathogen of Caribbean sea fan corals. *Hydrobiologia*. Vol. 460, no. 1-3, pp. 105-111.
- Anthony, K R N and O. Hoegh-Guldberg. 2003. Variation in coral photosynthesis, respiration and growth characteristics in contrasting light microhabitats: an analogue to plants in forest gaps and understoreys? *Functional Ecology* 17, 895-899.
- Aronson, R.B. 1993. Hurricane effects on backreef echinoderms of the Caribbean. *Coral Reefs* 12(3/4): 139-142. [NURC/UNCW J-93-32]
- Aronson, R.B. 1998. Decadal-scale persistence of predation potential in coral reef communities. *Mar. Ecol. Prog. Ser.* 172:53-60. [NURC/UNCW J-98-06]
- Aronson, R.B., P.J. Edmunds, W.F. Precht, D.W. Swanson, and D.R. Levitan. 1994. Large-scale, long-term monitoring of Caribbean coral reefs: Simple, quick, inexpensive techniques. *Atoll Research Bulletin* (421): 1-19.
- Assmann, M., Lichte, E., Pawlik, J.R., and Köck, M. 2000. Chemical defenses of the Caribbean sponges *Agelas wiedenmayeri* and *Agelas conifera*. *Marine Ecology Progress Series*, 207: 255-262. [NURC/UNCW J-00-16]
- Ault, J.S., S.G. Smith, J.A. Bohnsack, J. Luo, D.E. Harper, and D.B. McClellan. 2006. Building sustainable fisheries in Florida's coral reef ecosystem: Positive signs in the Dry Tortugas. *Bull. Mar. Sci.* 78(3):633-654.
- Ault, J.S., and J. Luo. 1998. Coastal bays to coral reefs: Systems use of scientific data visualization in reef fishery management. *International Council for the Exploration of the Seas. ICES D.M.* 1998/S:3.
- Ault, J.S., G.A. Meester, J. Luo, S.G. Smith and , K.C. Lindeman. 2000. Dry Tortugas National Park natural resources affected environment. *General Management Plan and Environmental Impact Statement. National Park Service. Denver, CO.* 250 p.
- Ault, J.S., J.A. Bohnsack and S.G. Smith. (in press). Towards sustainable multispecies fisheries in the Florida USA coral reef ecosystem. *Bulletin of Marine Science*.
- Ault, J.S., J.A. Bohnsack, and G.A. Meester. 1997. Florida Keys National Marine Sanctuary: retrospective (1979-1995) assessment of reef fish and a case for protected marine areas, pp. 415-425. In: Developing and Sustaining World Fisheries Resources: The State of Science and Management. Hancock, D.A., D.C. Smith, A. Grant, and J.P. Beumer (eds.). 2nd World Fisheries Congress, Collingwood, Australia. *Fishery Bulletin* 96:395-414.
- Ault, J.S., J.A. Bohnsack, and G.A. Meester. 1998. A retrospective (1979-1996) multispecies assessment of coral reef fish stocks in the Florida Keys. *Fishery Bulletin* 96(3):395-414. [NURC/UNCW J-98-23]
- Ault, J.S., M.P. Crosby, G. Davis, and E. Reese 2000. Ecological assessments. Chapter 4, Pages 45-48 in Alternative Access Management Strategies for Marine and Coastal Protected Areas. U.S. Man and the Biosphere, Washington, DC. 168 p.
- Ault, J.S., S.G. Smith, G.A. Meester, J. Luo, E.C. Franklin, J.A. Bohnsack, D.E. Harper, D.B. McClellan, S.L. Miller, M. Chiappone, and D.W. Swanson. (2002). Synoptic habitat and reef fish surveys support establishment of marine reserves in Dry Tortugas, Florida USA. *Reef Encounter* 31:22-23.
- Ault, J.S., S.G. Smith, G.A. Meester, J. Luo and J.A. Bohnsack. 2001. Site Characterization for Biscayne National Park: assessment of fisheries resources and habitats. NOAA Technical Memorandum NMFS-SEFSC-468. 165 p.
- Ault, J.S., S.G. Smith, J. Luo, G.A. Meester, J.A. Bohnsack, and S.L. Miller. 2002. Baseline multispecies coral reef fish stock assessments for the Dry Tortugas. NOAA Technical Memorandum NMFS-SEFSC-487. 117 p.
- Baker, A. 2004. Symbiont Diversity on Coral Reefs and Its Relationship to Bleaching Resistance and Resilience. In: E. Rosenberg (ed.) and Y. Loya (ed.) Coral Health and Disease. Springer-Verlag. [NURC/UNCW J-04-03]
- Baker, A.C. 2003. Flexibility and specificity in coral-algal symbiosis: Diversity, Ecology, and Biogeography. *Annu. Rev. Ecol. Evol. Syst.* 34:661-689.
- Barsby T, CE Kicklighter, ME Hay, MC Sullards, J Kubanek. 2003. Defensive 2-Alkylpyrrole Sulfamates from the Marine Annelid *Cirriformia tentaculata* [Polychaeta: Cirratulidae]. *J Natural Products* 66:1110-1112. [NURC/UNCW J-03-08]
- Baums, I.B., M.W. Miller and A.M. Szmant. 2003. Ecology of a corallivorous gastropod, *Coralliophila abbreviata*, on two scleractinian hosts I: population structure of snails and corals. *Mar. Biol.* Vol. 142, no. 6, pp. 1083-1091. Jun [NURC/UNCW J-03-14]
- Baums, I.B., M.W. Miller and A.M. Szmant. 2003. Ecology of a corallivorous gastropod, *Coralliophila abbreviata*, on two scleractinian hosts II: feeding, respiration, and growth. *Mar. Biol.* Vol. 142, no. 6, pp. 1093-1101. Jun [NURC/UNCW J-03-15]
- Beach, K. and L. Walters. 2000. Dictyota Bloom in the Florida Keys: Fragments and Fouling. *Diving for Science in the 21st Century: American Association of Underwater Sciences 2000:* 61-63.
- Beach, K., L. Walters, P. Vroom, C. Smith, J. Coyer, and C. Hunter. 2003. Variability in the Ecophysiology of *Halimeda* spp. on Conch Reef, Florida Keys. *Journal of Phycology*. Vol. 39, no. 4, pp. 633-643. Aug [NURC/UNCW J-03-16]

- Beach, K., L. Walters, H. Borgeas, C. Smith, J. Coyer and P. Vroom. 2003. The Impact of *Dictyota* spp. on *Halimeda* populations of Conch Reef, Florida Keys. *Journal of Experimental Marine Biology and Ecology* 297:141-159.
- Beach, K.S., C.M. Smith, T. Michael, and H. Shin. 1995. Photosynthesis in reproductive unicells of *Ulva fasciata* and *Enteromorpha flexuosa*: Implications for ecological success. *Mar. Ecol. Prog. Ser.* 125(1-3): 229-237.
- Beiring, E.A. 1997. Life history and reproductive success of a broadcast-spawning gorgonian coral and implications for conservation biology. Ph.D. Thesis, State University of New York at Buffalo.
- Berger, D.K. and M.J. Butler. 2001. Octopuses influence den selection by juvenile Caribbean spiny lobster. *Mar. Freshwater Res.* 52: 1049-53. [NURC/UNCW J-01-09]
- Bergquist, D. C., I.A. Urcuyo, and C.R Fisher. 2002. Establishment and persistence of seep vestimentiferan aggregations from the upper Louisiana slope of the Gulf of Mexico. *Mar. Ecol. Prog. Ser.* 241:89-98. [NURC/UNCW J-02-21]
- Bergquist, D.C., Fleckenstein, C., Szalai, E.B. Knisel, J, Fisher, CR. 2004. Environment drives physiological variability in the cold seep mussel *Bathymodiolus childressi*. *Limnol. Oceanogr.* Vol. 49(3): 706-715.
- Bergquist, D.C., F.M. Williams, and C.R. Fisher. 2000. Longevity record for deep-sea invertebrate. *Nature* 403: 499-500.
- Bergquist, D.C., J. Andras, T. McNelis, S. Howlett, M.J. Van Horn and C.R. Fisher. 2003. Succession in Gulf of Mexico Cold Seep Vestimentiferan Aggregations: The Importance of Spatial Variability. *Mar. Ecol.* Vol. 24, no. 1, pp. 31-44. May [NURC/UNCW J-02-23]
- Bergquist, D.C., T. Ward, E.E. Cordes, T. McNeils, R. Kosoff, S. Hourdez, R. Carney and C.R. Fisher. 2003. Community structure of vestimentiferan-generated habitat islands from upper Louisiana slope cold seeps *J. Exp. Mar. Bio. Ecol.* 289:197 - 222. [NURC/UNCW J-03-19]
- Bertelsen, R.D. and C. Cox. 2001. Sanctuary roles in population and reproductive dynamics of Caribbean spiny lobster. Spatial processes and management of marine populations AK-01-02. pp 591-605.
- Bertelsen, R.D. and T.R. Matthews. 2001. Fecundity dynamics of female spiny lobster (*Panulirus argus*) in a south Florida fishery and Dry Tortugas National Park lobster sanctuary. *Mar. Freshwater Res.* 52:1559-1565. [NURC/UNCW J-01-19]
- Bird, K.T. and J. Jewett-Smith. 1994. Development of a medium and culture system for in vitro propagation of *Halophila engelmannii*. *Canadian Journal of Botany* 72(10):1503-1510. [NURC/UNCW J-94-36]
- Bohnsack, J.A., and J.S. Ault. 1996. Management strategies to conserve marine biodiversity. *Oceanography* 9(1):73-82. [NURC/UNCW J-96-22]
- Bohnsack, J.A., D.B. McClellan, D.E. Harper, G.S. Davenport, G.J. Konoval, A.M. Eklund, J.P. Contillo, S.K. Bolden, P.C. Fischel, G.S. Sandorf, J.C. Javech, M.W. White, M.H. Pickett, M.W. Hulsbeck, J.L. Tobias, J.S. Ault, G.A. Meester, S.G. Smith, and J. Luo. 1999. Baseline Data for Evaluating Reef Fish Populations in the Florida Keys. NOAA Tech. Mem. NMFS-SEFSC-427. 61 p.
- Bohnsack, J.A., D.E. Harper, and D.B. McClellan. 1994. Fisheries trends from Monroe County, Florida. *Bull. Mar. Sci.* 54(3):982-1018. [NURC/UNCW J-94-18]
- Bohnsack, J.A., J.S. Ault, and B. Causey. 2004 Why have no-take marine reserves? *Am. Fish. Soc. Symp.* Vol. 42:185-193
- Bohnsack, J.A., M.W. Miller, and B. Haskell. 1999. Monitoring coral reefs and fishes in the Florida Keys. Pages 105-119 in J.E. Maragos and R. Grober-Dunsmore. (eds). *Proceedings of the Hawaii Coral Reef Monitoring Workshop*, June 9-11, Honolulu, Hawai'i. 334 p.
- Bohnsack, JA. 2000. A comparison of the short-term impacts of no-take marine reserves and minimum size limits. *Bulletin of Marine Science* [Bull. Mar. Sci.]. Vol. 66, no. 3, pp. 635-650.
- Bolden, S.K. 1990. Abundance and diet of the tomtate (*Haemulon aurolineatum*) on an artificial and natural reef in Onslow Bay, North Carolina. M.S. Thesis, University of North Carolina at Wilmington, 601 S. College Road, Wilmington, NC 28403. 59pp. [NURC/UNCW T-90-01]
- Bolser, R.C. 1995. Are tropical plants better defended? Palatability and defenses of temperate vs. tropical seaweeds. M.S. Thesis, Marine Sciences Curriculum, University of North Carolina-Chapel Hill. [NURC/UNCW J-95-02]
- Bolser, R.C. and M.E. Hay. 1996. Are tropical plants better defended? Palatability and defenses of temperate versus tropical seaweeds. *Ecology* 77(8): 2269-2286. [NURC/UNCW J-96-11]
- Brazeau, D., D. Gleason, and M. Morgan. 1998. Self-fertilization in brooding hermaphroditic Caribbean corals: evidence from molecular markers. *J. Experiment. Marine Biol.* 231(2): 225-238. [NURC/UNCW J-98-19]
- Brown, B.E., I. Ambarsari, M.E. Warner, W.K. Fitt, R.P. Dunne, S.W. Gibb, D.G. Cummings. 1999. Diurnal change in photochemical efficiency and xanthophyll concentrations in shallow water reef corals: evidence for photoinhibition and photoprotection. *Coral Reefs* 18(2): 99-105. [UNCW/NURC J-99-04]
- Bruno, J.F., L.E. Petes, C. D. Harvell and A. Hettinger. 2003. Nutrient enrichment can increase the severity of coral diseases. *Ecology Letter* 6:1056-1061. [NURC/UNCW J-03-25]
- Buddemeier, R.W., A. Baker, D.G. Fautin and J.R. Jacobs. 2004. The Adaptive Hypothesis of Bleaching. In: E. Rosenberg (ed.) and Y. Loya (ed.) *Coral Health and Disease*. Springer-Verlag. [NURC/UNCW J-04-02]
- Bullard, S.G. and M.E. Hay 2002. Plankton tethering to assess spatial patterns of predation risk over a coral reef and seagrass bed. *Marine Ecology Progress Series* 225:17-28. [NURC/UNCW J-02-14]

- Bullard, S.G. and M.E. Hay. 2002. Palatability of marine macro-holoplankton: Nematocysts, nutritional quality, and chemistry as defenses against consumers. *Limnology and Oceanography*. 47(5) 1456-1467 [[NURC/UNCW J-02-08](#)]
- Bullard, S.G., N.L. Lindquist, and M.E. Hay. 1999. Susceptibility of invertebrate larvae to predators: how common are post-capture larval defenses? *Marine Ecology Series* 191: 153-161.
- Burkepile, D.E. and M.E. Hay. Submitted. Predator release of the gastropod *Cyphoma gibbosum* increases predation on gorgonian corals. *Oecologia*.
- Burkepile, D.E. and M.E. Hay. In press. Herbivore versus nutrient control of marine primary producers: Context-dependent effects. *Ecology*
- Burns, E., Ifrach, I., Carmeli, S., Pawlik, J.R. and Ilan, M. 2003. Comparison of anti-predatory defenses of Red Sea and Caribbean sponges: I. Chemical defense. *Mar. Ecol. Prog. Ser.* Vol. 252, pp. 105-114. 30 Apr. [[NURC/UNCW J-03-22](#)]
- Butler, M.J., T. Dolan, W. Herrnkind and J. Hunt. 2001. Modelling the effect of spatial variation in postlarval supply and habitat structure on recruitment of Caribbean spiny lobster. *Mar. Freshwater Res.* 52: 1243-1252. [[NURC/UNCW J-01-08](#)]
- Cahoon, L.B. and C.R. Tronzo. 1988. A comparison of demersal zooplankton collected at Alligator Reef, Florida, using emergence and re-entry traps. *Fish. Bull.* 86(4): 838-845. [[NURC/UNCW J-88-01](#)]
- Carlton, R.G. and L.L. Richardson. 1995. Oxygen and sulfide dynamics in a horizontally migrating cyanobacterial mat: Black band disease of corals. *FEMS Microbiol. Ecol.* 18(2): 155-162.
- Carnahan, E. 2005. Foraminiferal Assemblages as Bioindicators of Potentially Toxic Elements in Biscayne Bay, Florida. M.S. Thesis, College of Marine Science, University of South Florida.
- Casserley, T.A. 2005. CGS Canada: A Canadian warship in the Florida Keys. M.S. Thesis, East Carolina University, Greenville, NC. 190p.
- Castillo, K.D. and B. S. T. Helmuth. 2005. Influence of thermal history on the response of *Montastraea annularis* to short-term temperature exposure. *Mar. Bio.*
- Cetrulo, G.L. and M.E. Hay. 2000 Activated chemical defenses in tropical versus temperate seaweeds. *Marine Ecology Progress Series*. 207:243-253.
- Chanas, B. 1995. Physical and chemical defenses of three Caribbean reef sponges. M.S. Thesis. University of North Carolina-Wilmington. [[NURC/UNCW J-95-03](#)]
- Chanas, B. and J.R. Pawlik. 1995. Defenses of Caribbean sponges against predatory reef fish: II. Spicules, tissue toughness, and nutritional quality. *Mar. Ecol. Prog. Ser.* 127(1-3): 195-211. [[NURC/UNCW J-95-18](#)]
- Chanas, B. and J.R. Pawlik. 1996. Does the skeleton of a sponge provide a defense against predatory reef fish? *Oecologia* 107(2):225-231. [[NURC/UNCW J-96-03](#)]
- Chanas, B. and J.R. Pawlik. 1997. Variability in the chemical defense of Caribbean reef sponge *Xestospongia muta*. *Proc. 8th Internat. Coral Reef Symp.*, 2:1363-1368, Panama City, Panama.
- Chanas, B., J.R. Pawlik, T. Lindel, and W. Fenical. 1996. Chemical defense of the Caribbean sponge *Agelas clathrodes* (Schmidt). *Jour. Exp. Mar. Biol. Ecol.* 208:186-196.
- Chiao, C.C. and T.W. Cronin. 2002. Hyperspectral imaging for color vision research. *Recent Res. Devel. Optics* 2:465-482.
- Chiappone M, Dienes H, Swanson DW, Miller SL (In Press) Density and gorgonian host-occupation patterns by flamingo tongue snails (*Cyphoma gibbosum*) in the Florida Keys. *Caribbean Journal of Science Marine Ecology Progress Series*.
- Chiappone M., A. White, D.W. Swanson, and S.L. Miller. 2002. Occurrence and biological impacts of fishing gear and other marine debris in the Florida Keys. *Marine Pollution Bulletin* Vol. 44:597-604. [[NURC/UNCW J-02-16](#)]
- Chiappone M., D.W. Swanson, S.L. Miller, and S.G. Smith. 2002. Large-scale surveys on the Florida Reef Tract indicate poor recovery of the long-spined sea urchin *Diadema antillarum*. *Coral Reefs* 21:155-159.
- Chiappone, M. and K.M. Sullivan. 1994. Ecological structure and dynamics of nearshore hard-bottom communities in the Florida Keys. *Bull. Mar. Sci.* 54(3): 747-756. [[NURC/UNCW J-94-50](#)]
- Chiappone, M., S.L. Miller, D.W. Swanson, J.S. Ault, and S.G. Smith. 2001. Comparatively high densities of long-spined sea urchins in the Dry Tortugas, Florida. *Coral Reefs* 20(2):137-138.
- Cockey, E.M. 1994. Decadal-scale changes in benthic foraminiferal assemblages off Key Largo, Florida. M.S. Thesis, University of South Florida, Department of Marine Science, 140 Seventh Avenue South, St. Petersburg, FL 33701-5016. 76pp. [[NURC/UNCW T-94-06](#)]
- Cockey, E.M., P. Hallock, and B.H. Lidz. 1996. Decadal-scale changes in benthic foraminiferal assemblages off Key Largo, Florida. *Coral Reefs* 15(4): 237-248. [[NURC/UNCW J-96-18](#)]
- Coffroth, M.A. and J.M. Mulwaka III. 1995. Identification of marine invertebrate larvae by means of PCR-RAPD species-specific markers. *Limnol. Oceanogr.* 40(1): 181-189. [[NURC/UNCW J-95-03](#)]
- Coffroth, M.A. and Lasker, H.R. 1998. Larval paternity and male reproductive success of a broadcast spawning gorgonian. *Marine Biology* 131(2):329-337. [[NURC/UNCW J-98-24](#)]
- Coffroth, M.A. and Lasker, H.R. 1998. Population structure of a clonal gorgonian coral: The interplay between clonal reproduction and disturbance. *Evolution* 52(2):379-393.

- Corbett, D. R., K. Dillon, W. Burnett, and J. Chanton. 2000. Estimating the groundwater contribution into Florida Bay via natural tracers, ^{222}Rn and CH_4 Limnology and Oceanography, 45, 1546-1557. [NURC/UNCW J-00-14]
- Corbett, D.R., J. Chanton, W. Burnett, K Dillon, C. Rutkowski, and J. Fourqurean. 1999. Patterns of groundwater discharge into Florida Bay. Limnol. Oceanogr. 44(4): 1045-1055. [NURC/UNCW J-99-15]
- Corbett, D.R., Kump, L., Dillon, K, Burnett, W. and Chanton J. 2000. Fate of wastewater-borne nutrients under low discharge conditions in the subsurface of the Florida Keys, USA. Marine Chemistry, 69, 99-115. [NURC/UNCW J-00-17]
- Coyer, J.A. 1995. Use of rock as an anvil for breaking scallops by the yellowhead wrasse, *Halichoeres garnoti* (Labridae). Bull. Mar. Sci. 57(2):545-546. [NURC/UNCW J-95-08]
- Cronan, J.M. and J.H. Cardellina II. 1994. A novel δ -Lactam from the sponge *Tedania ignis*. Natural Product Letters. 5(2): 85-88. [NURC/UNCW J-94-17]
- Cronin T.W. and J. Marshall. 2004 Fluorescent Enhancement of Signaling in a Mantis Shrimp. Vol. 303: 5654 In: Complex Worlds From Simple Nervous Systems (F. Prete, ed). MIT Press, Cambridge MA
- Cronin T.W. and N. Shashar. 2001. The linearly polarized light field in clear, tropical marine waters: spatial and temporal variation of light intensity, degree of polarization, and e-vector angle. J. Exp. Biol. 204:2461-2467. [NURC/UNCW J-01-22]
- Cronin T.W. and Y. Takahara. 2002. Spectral sensitivity in crustaceans. In: The Crustacean Nervous System (K. Wiese, ed). Springer, Berlin Heidelberg New York. pp. 499-511.
- Cronin T.W., (in press) Invertebrate vision in water. In: Invertebrate Vision (E. Warrant and D.E. Nilsson, eds). Cambridge University Press, Cambridge UK
- Cronin T.W., N.J. Marshall, and R.L. Caldwell. 2000. Spectral tuning and the visual ecology of mantis shrimps. Phil. Trans. Roy Soc. B 355:1263-1267.
- Cronin TW and J Marshall. 2001. Parallel processing and image analysis in the eyes of mantis shrimps. Biol. Bull. 200:177-183. [NURC/UNCW J-01-24]
- Cronin TW and R. Jinks. 2001. Ontogeny of Vision in Marine Crustaceans. Amer. Zool., 41:1098-1107. [NURC/UNCW J-01-27]
- Cronin, G., M.E. Hay, W. Fenical, and N. Lindquist. 1995. Distribution, density, and sequestration of host chemical defenses by the specialist nudibranch *Tritonia hamnerorum* found at high densities on the sea fan *Gorgonia ventalina*. Mar. Ecol. Prog. Ser. 119(1-3): 177-189.
- Cronin, T.W. and R.N. Jinks. 2002. Ontogeny of vision in marine crustaceans. Am. Zoologist 41:1098-1107.
- Cronin, T.W. , R.L. Caldwell, and M. Erdmann. 2002. Tuning of photoreceptor function in three mantis shrimp species that inhabit a range of depths. I. Visual pigments. J. Comp. Physiol. A 188:179-86. [NURC/UNCW J-02-25]
- Cronin, T.W., N. Shashar, R.L. Caldwell, J. Marshall, A.G. Cheroske, and T.H. Chiou. 2003. Polarization vision and its role in biological signaling. Int. Comp. Biol. 43:549-558. [NURC/UNCW J-03-28]
- Cronin, T.W., N. Shashar, R.L. Caldwell, J. Marshall, A.G. Cheroske, and T.H. Chiou. 2003. Polarization signals in the marine environment. Proc. of SPIE 5158:85-92. [NURC/UNCW J-03-29]
- Cronin, T.W., N.J. Marshall, and R.L. Caldwell. 1996. Visual pigment diversity in two genera of mantis shrimps implies rapid evolution. J. Comp. Physiol. A 179(3):371-384. [NURC/UNCW J-96-23]
- Cronin, T.W. and R.L. Caldwell. 2002. Tuning of photoreceptor function in three mantis shrimp species that inhabit a range of depths. II. Filter pigments. J. Comp. Physiol. A 188:187-97. [NURC/UNCW J-02-26]
- Cruz-Rivera, E. and M.E. Hay (2003) Prey nutritional quality interacts with chemical defenses to affect consumer feeding and fitness. Ecological Monographs 73(3) pp.483-506. [NURC/UNCW J-03-11]
- Cruz-Rivera, E. and M.E. Hay 2001. Macroalgal traits and the feeding and fitness of an herbivorous amphipod: the roles of selectivity, mixing, and compensation. Marine Ecology Progress Series 218: 249-266
- Cruz-Rivera, E. and M.E. Hay. 2000. The effects of diet mixing on consumer fitness: macroalgae, epiphytes, and animal matter as food for marine amphipods. Oecologia 123:252-264.
- Daniels, C. 2005. Coral Reef Assessment: An Index Utilizing Sediments. M.S. Thesis, College of Marine Science, University of South Florida.
- Denner, E.B.M., G.W. Smith, H-J. Busse, P. Schumann, T. Narzt, S. Polson, W. Lubitz, and L.L. Richardson. 2002. *Aurantimonas corallicida* gen. nov., sp. nov., the causative agent of plague type II disease on Caribbean scleractinian corals. International Journal of Systematic and Evolutionary Microbiology. (first published online)
- Dienes H, Chiappone M, Miller SL, Swanson DW (In press) Density and fore reef habitat utilization patterns of the lettuce sea slug (*Tridachia crispata*) in the Florida Keys. *Bulletin of Marine Science*.
- Dienes H., M. Chiappone, D.W. Swanson and S.L. Miller. 2005 Impacts of lost fishing gear on coral reef sessile invertebrates of the Florida Keys National Marine Sanctuary. *Biological Conservation*. Vol 121
- Dillon, K.S., D.R. Corbett, J.P. Chanton W.C. Burnett and D.J. Furbish. 1999. The use of Sulfur Hexafluoride as a tracer of septic tank effluent in the Florida Keys. Journal of Hydrology, 220, 129-140. [NURC/UNCW J-99-22]
- Dillon, K.S., D.R. Corbett, J.P. Chanton W.C. Burnett and L. Kump. 2000. Rapid transport of a wastewater plume injected into saline groundwaters of the Florida Keys, USA. Hydrology, 38, pages 624-634.
- Dillon, K.S., D.R. Corbett, J.P. Chanton W.C. Burnett and L. Kump. 2000. Bimodal transport of a waste water plume injected into saline ground water of the Florida Keys, USA. Ground Water, 38(4), pages 624-634. [NURC/UNCW J-00-15]

- Donovan-Potts, P.A. 1993. The biological and physical parameters surrounding the traditional spawning sites of the bluehead wrasse, *Thalassoma bifasciatum*, along the Key Largo, Florida reef tract. M.S. Thesis, University of North Carolina at Wilmington, 601 S. College Road, Wilmington, NC 28403. 36pp. [NURC/UNCW T-93-02]
- Duffy, J.E. and M.E. Hay. 1994. Herbivore resistance to seaweed chemical defense: The roles of mobility and predation risk. *Ecology* 75(5):1304-1319. [NURC/UNCW J-94-34]
- Duffy, J.E. and M.E. Hay. 2001. Ecology and evolution of marine consumer-prey interactions. Pages 131-157, In Bertness, M, M.E. Hay and S.D. Gaines (eds.) *Marine Community Ecology*, Sinauer Press, Sunderland, Massachusetts.
- Dunlap, M. and J.R. Pawlik. 1998. Spongivory by parrotfishes in Florida mangrove and reef habitats. *Mar. Ecol.* 19(4):325-337 [NURC/UNCW J-98-11]
- Dunlap, M.J. 1997. Spongivory by Caribbean reef fish. M.S. Thesis, University of North Carolina at Wilmington, 601 S. College Road, Wilmington, NC 28403.
- Dunlap, M.J. and J.R. Pawlik. 1996. Video-monitored predation by Caribbean reef fishes on an array of mangrove and reef sponges. *Mar. Biol.* 126(1): 117-123. [NURC/UNCW J-96-05]
- Durako, M.J. and J.I. Kunzelman. 2002. Photosynthetic characteristics of *Thalassia testudinum* measured in situ by pulse-amplitude modulated (PAM) fluorometry: methodological and scale-based considerations. *Aquatic botany* 73: 173-185. [NURC/UNCW J-02-06]
- Durako, M.J., M.O. Hall and M. Merello. 2002. J.W. Porter (ed.) and K.G. Porter (ed.) *The Everglades, Florida Bay, and Coral Reefs of the Florida Keys An Ecosystem Sourcebook*. CRC Press. [NURC/UNCW J-02-10]
- Edmunds, P.J., J.F. Bruno, and D.B. Carlton. 2004. Effects of depth and microhabitat on growth and survivorship of juvenile corals in the Florida Keys. *Mar. Ecol. Prog. Ser.* 278:115-124.
- Edmunds, P.J. and R.D. Gates. 2002. Standardizing physiological data for scleractinian corals. *Coral Reefs* 139: 981-989
- Edmunds, P.J. 1996. Ten days under the sea. *Scientific American*, 275(4): 88-95. [NURC/UNCW J-96-24]
- Edmunds, P.J., R.B. Aronson, D.W. Swanson, D.R. Levitan and W.F. Precht. 1998. Photographic versus visual census techniques for the quantification of juvenile corals. *Bulletin of Marine Science*. 62(3): 937-946. [NURC/UNCW J-98-16]
- Edmunds, P.J., R.D. Gates and D.F. Gleason. 2001. The biology of larvae from the reef coral *Porites astreoides*, and their response to temperature disturbances. *Marine Biology* 139: 981-989. [NURC/UNCW J-01-14]
- Edmunds, P.J., R.D. Gates, and D.F. Gleason. (2003). The tissue composition of *Montastraea franksi* during a natural bleaching event in the Florida Keys. *Coral Reefs* vol. 22: 54-62, Issue 1. [NURC/UNCW J-03-04]
- Engel, S. and J.R. Pawlik. 2005. Interactions among Florida sponges. I. Reef habitats. *Mar. Ecol. Prog. Ser.* 303: 133-144.
- Engel, S. and J.R. Pawlik. 2005. Interactions among Florida sponges. II. Mangrove habitats. *Mar. Ecol. Prog. Ser.* 303: 145-152.
- Engel, S. and Pawlik, J.R. 2000. Allelopathic activities of sponge extracts. *Marine Ecology Progress Series*, 207: 273-281.
- Ferrier-Pages, C., J. Witting, E. Tambutte and K.P. Sebens. 2003. Effect of natural zooplankton feeding on the tissue and skeletal growth of the scleractinian coral *Stylophora pistillata*. *Coral Reef* 22:229-240. [NURC/UNCW J-03-13]
- Field, J.M. 1993. The influence of temperature, salinity, and postlarval transport on the distribution of juvenile spiny lobsters, *Panulirus argus*, in Florida Bay. M.S. Thesis. Old Dominion University, Norfolk, VA. 60pp. [NURC/UNCW T-93-03]
- Field, J.M. and M.J. Butler IV. 1994. The influence of temperature, salinity and larval transport on the distribution of juvenile spiny lobsters, *Panulirus argus*, in Florida Bay. *Bulletin of Marine Science* 54(3): 1074. [NURC/UNCW J-94-01]
- Finelli, C.M., B.S. Helmuth, N. D. Pentcheff and D.S. Wethey. 2005. Water flow influences oxygen transport and photosynthetic efficiency in corals. *Coral Reefs*.
- Fioravanti, G.P. and J.F. Valentine. In Press. Impacts of reef architecture and fishing on food webs in back reef environments of the upper Florida Keys National Marine Sanctuary. *Florida Scientist*.
- Fisher, E.M., J. E. Fauth, P. Hallock, and C.M. Woodley. Accepted pending revisions. Lesion regeneration rates in reef-building corals (*Montastraea* spp.) as indicators of colony condition: strengths and caveats. *Mar. Ecol. Prog. Ser.*
- Fitt, W., G.W. Schmidt, O. Hoegh-Guldberg, R.V. Woessik, W.K. Loh, and T.C. LaJeunesse. 2003. Low Symbiont diversity in Southern Great Barrier corals, relative to those of the Caribbean. *Limnol. Oceanogr.* 48(5) 2046-2054. [NURC/UNCW J-03-09]
- Fitt, W.K. and K. Costley. 1998. The role of temperature in survival of the polyp stage of the tropical rhizostome jellyfish *Cassiopea xamachana*. *Journal of Experimental Marine Biology and Ecology*. 222(1-2): 79-91. [NURC/UNCW J-98-17]
- Fitt, W.K. and M.E. Warner. 1995. Bleaching patterns of four species of Caribbean reef corals. *Biol. Bull.* 189(3): 298-307.
- Fitt, W.K., F.K. McFarland, M.E. Warner, and G.C. Chilcoat. 2000. Seasonal patterns of tissue biomass and densities of symbiotic dinoflagellates in reef corals and relation to coral bleaching. *Limnology and Oceanography* 45(3): 677-685. [NURC/UNCW J-00-04]
- Fitt, W.K., H.J. Spero, J. Halas, M.W. White, and J.W. Porter. 1993. Recovery of the coral *Montastrea annularis* in the Florida Keys after the 1987 Caribbean "bleaching event." *Coral Reefs* 12(2): 57-64. [NURC/UNCW J-93-29]

- Fleck, J. W.K. Fitt and M.G. Hahn. 1999. A proline-rich peptide originating from the decomposing mangrove leaves is one natural metamorphic cue of the tropical jellyfish *Cassiopea xamachana*. Marine Ecology Progress Series. Vol. 183: 115-124. [NURC/UNCW J-99-06]
- Fleck, J. and W.K. Fitt. 1999. Degrading mangrove leaves of *Rhizophora mangle* Linne provide a natural cue for settlement and metamorphosis of the upside down jellyfish *Cassiopea xamachana* Bigelow. Journal of Experimental Marine Biology and Ecology. 234(1): 83-94. [NURC/UNCW J-99-05]
- Fonseca, M. S., A. V. Uhrin, C. A. Currin, J. S. Burke, D. W. Field, C. A. Addison, L. L. Wood, G. A. Piniak, T. S. Viehman, and C. S. Bonn. 2006. Ongoing Monitoring of Tortugas Ecological Reserve: Assessing the Consequences of Reserve Designation. NOAA Technical Memorandum NOS NCCOS 22. 48 pp.
- Forcucci, D. 1994. Population density, recruitment and 1991 mortality event of *Diadema antillarum* in the Florida Keys. Bull. Mar. Sci. 54(3): 917-928. [NURC/UNCW J-94-49]
- Fourqurean, J. and J.C. Zieman. 2002. Nutrient content of the seagrass *Thalassia testudinum* reveals regional patterns of relative availability of nitrogen and phosphorus in the Florida Keys USA. Biogeochemistry. 61: 229-245. [NURC/UNCW J-02-07]
- Franklin, E.C., J.S. Ault, S.G. Smith, J. Luo, G.A. Meester, G.A. Diaz, M. Chiappone, D.W. Swanson, S.L. Miller, and J.A. Bohnsack. 2003. Benthic Habitat Mapping in the Tortugas Region, Florida. Marine Geodesy, 26:19-34.
- Franklin, E.C., J.S. Ault, S.G. Smith, and J. Luo. 2002. Utilization of GIS in a fisheries assessment and management system. Chapter 5 pages 49-54 in *Marine Geography: GIS for the Oceans and Seas* (J. Breman, ed.). ESRI Press. Redlands, CA. 204 p.
- Franklin, E.C., J.S. Ault, S.G. Smith, J. Luo, G.A. Meester, G.A. Diaz, M. Chiappone, D.W. Swanson, S.L. Miller, and J.A. Bohnsack. 2003. Benthic habitat mapping in the Tortugas region, Florida. Marine Geodesy 26(1-2):19-34.
- Fujita, K. and P. Hallock. 1999. A comparison of phytal substrate preferences of *Archaias angulatus* and *Sorites orbiculus* in mixed macroalgal-seagrass beds in Florida Bay. J. Foram Res. 29: 143-151. [NURC/UNCW J-99-13]
- Gardiner, E.S. 1995. Taphonomic analysis of Florida reef corals. Smith College, Northampton, MA. [NURC/UNCW J-95-01]
- Gleason, D.F. 1992. The control and adaptive significance of morphological variation in the reef coral *Porites astreoides*. Ph.D. Dissertation, University of Houston, Department of Biology, 4800 Calhoun Road, Houston, TX 77204. 169pp. [NURC/UNCW T-92-02]
- Gleason, D.F. 1993. Differential effects of ultraviolet radiation on green and brown morphs of the Caribbean coral *Porites astreoides*. Limnol. Oceanogr. 38(7):1452-1463. [NURC/UNCW J-93-19]
- Gleason, D.F. 1998. Sedimentation and distributions of green and brown morphs of the Caribbean coral *Porites astreoides* Lamarck. J. Exp. Marine Biology. 230(1):73-89. [NURC/UNCW J-98-20]
- Gleason, D.F. 2001. Ultraviolet radiation and coral communities. In: Cockell, C.S. and A.R. Blaustein (eds.), *Ecosystems, Evolution, and Ultraviolet Radiation*. Springer Verlag, NY, pp. 118-149.
- Gleason, D.F. and G.M. Wellington. 1994. Ultraviolet and coral bleaching: Reply to Dunne. Nature 368: 697.
- Gleason, D.F. and G.M. Wellington. 1993. Ultraviolet radiation and coral bleaching. Nature 365(6449): 836-838. [NURC/UNCW J-93-10]
- Gleason, D.F. and G.M. Wellington. 1995. Variation in UVB sensitivity of planula larvae of the coral *Agaricia agaricites* along a depth gradient. Mar. Biol. 123(4): 693-703. [NURC/UNCW J-95-10]
- Gleason, D.F., D.A. Brazeau, and D. Munfus. 2001. Can self-fertilizing coral species be used to enhance restoration of Caribbean reefs? Bulletin of Marine Science 69:933-943.
- Glynn, P.W. and J.S. Ault. 2000. A biogeographic analysis and review of the far eastern Pacific coral reef region. Coral Reefs 19(1):1-19.
- Grammer, G.M. 1991. Formation and evolution of quaternary carbonate foreslopes, Tongue of the Ocean, Bahamas. Ph.D. Dissertation, Comparative Sedimentology Laboratory, Rosentiel School of Marine and Atmospheric Science, Marine Geology and Geophysics, University of Miami, 4600 Rickenbacker Causeway, Miami, FL 33149. 314pp. [NURC/UNCW T-91-05]
- Grammer, G.M. and R.M. Ginsburg. 1992. Highstand vs. lowstand deposition on carbonate platform margins: Insight from Quaternary foreslopes in the Bahamas. Marine Geology 103(1-3):125-136. [NURC/UNCW J-92-02]
- Grammer, G.M., R.N. Ginsburg, and P.M. Harris. 1993. Timing of deposition, diagenesis, and failure of steep carbonate slopes in response to a high-amplitude/high-frequency fluctuation in sea level, Tongue of the Ocean, Bahamas. AAPG Memoir 57:107-131. [NURC/UNCW J-93-17]
- Grammer, G.M., R.N. Ginsburg, P.K. Swart, D.F. McNeill, A.J.T. Jull, and D.R. Prezbindowski. 1993. Rapid growth rates of syndepositional marine aragonite cements in steep marginal slope deposits, Bahamas and Belize. Journal of Sedimentary Petrology 63(5): 983-989. [NURC/UNCW J-93-18]
- Greenstein, B.J. and H.A. Curran. 1997. How much ecological information is preserved in fossil coral reefs and how reliable is it? Proc. 8th Internat. Coral Reef Symp., 1:417-422, Panama City, Panama. [NURC/UNCW J-97-06]
- Greenstein, B.J. and J.M. Pandolfi. 1997. Preservation of community structure in modern reef coral life and death assemblages of the Florida Keys: Implications for the Quaternary fossil record of coral reefs. Bul. Mar. Sci. 61(2): 431-452. [NURC/UNCW J-97-08]
- Greenstein, B.J., H.A. Curran, and J.M. Pandolfi. 1998. Shifting ecological baselines and the demise of *Acropora cervicornis* in the western North Atlantic and Caribbean Province: a Pleistocene perspective. Coral Reefs. 17(3): 249-261.

- Greenstein, B.J., J.M. Pandolfi, and H.A. Curran. (In Press). The completeness of the Pleistocene fossil record: Implications for stratigraphic adequacy. In: S.K. Donovan (ed.) The Accuracy of the Fossil Record. Wiley & Son, London.
- Greenstein, B.J., L.A. Harris, and H.A. Curran. 1998. Comparison of recent coral life and death assemblages to Pleistocene reef communities: Implications for rapid faunal replacement on recent reefs. *Carbonates and Evaporates*. 13(1):23-31. [NURC/UNCW J-98-10]
- Grottoli, A.G. 1998. Interpretation of stable carbon isotopes in reef coral skeletons and applications for paleoclimate reconstruction. Ph.D. Dissertation, University of Houston.
- Grottoli-Everett, A.G. and G.M. Wellington. 1997. Fish predation on the scleractinian coral *Madracis mirabilis* control its depth distribution in the Florida Keys, USA. *Mar. Ecol. Prog. Ser.* 160: 291-293 [NURC/UNCW J-97-10]
- Hall, M.O., M.J. Durako, J.W. Fourqurean, and J.C. Zieman. 1999. Decadal changes in seagrass distribution and abundance in Florida Bay. *Estuaries*. 22(2B): 445-459. [NURC/UNCW J-99-16]
- Hallock, P., D.E. Williams, S.K. Toler, E.M. Fisher, and H.K. Talge. 2006. Bleaching in Reef-Dwelling Foraminifers: A 20 Year Retrospective. Proceedings, 11th International Coral Reef Symposium, Okinawa, Japan, July 2004.
- Hallock, P. 2005. Global change and modern coral reefs: New opportunities to understand shallow-water carbonate depositional processes. *Sedimentary Geology* 175:19-33.
- Hallock, P., K. Barnes, and E.M. Fisher. 2004. From satellites to molecules: A multiscale approach to environmental monitoring and risk assessment of coral reefs. *Journal of Environmental Micropaleontology, Microbiology, and Meiobenthology* 1: 11-39.
- Hallock, P. 1999. Chapter 8. Symbiont-bearing foraminifers. For B.K. Sen Gupta (ed) Modern Foraminifera, Kluwer Press, Amsterdam, p. 123-139. [NURC/UNCW J-99-12]
- Hallock, P. 2000. Larger Foraminifers as indicators of coral-reef vitality. In: R. Martin (ed.) *Environmental Micropaleontology, Topics in Geobiology*. Plenum Press. p. 121-150. [NURC/UNCW J-00-13]
- Hallock, P. 2000. Symbiont-bearing Foraminifera: Harbingers of global change. *Micropaleontology* 46(Suppl. 1): 95-104. [NURC/UNCW J-00-12]
- Hallock, P. (In Press). Section 1.1.8.4. Evolution and function of coral reefs. In V. Cilek (ed), *Encyclopedia of Life Support Systems*, UNESCO, EOLSS Publishers Co. Ltd.
- Hallock, P. 2001. Coral reefs in the 21st century: Is the past the key to the future? pp. viii-xxiii, in: Proceedings of the 10th Symposium on the Geology of the Bahamas and Other Carbonate Regions, edited by B.J. Greenstein and C.K. Carney. Gerace Research Center, San Salvador, Bahamas. [NURC/UNCW J-01-18]
- Hallock, P. 2001. Coral reefs, carbonate sedimentation, nutrients, and global change, pp:387-427; In: G. M. Stanley, Jr. (ed.) Ancient Reef Ecosystems, Topics in Geobiology. Plenum Publishing Corp. [NURC/UNCW J-01-10]
- Hallock, P. and H.K. Talge. 1994. A predatory foraminifera, *Floresina amphiphaga* n.sp., from the Florida Keys. *Journal of Foraminiferal Research* 24(4): 210-213. [NURC/UNCW J-94-51]
- Hallock, P. and M.W. Peebles. 1993. Foraminifera with chlorophyte endosymbionts: Habitats of six species in the Florida Keys. *Marine Micropaleontology* 20(3-4): 277-292. [NURC/UNCW J-93-26]
- Hallock, P., A.C. Hine, G.A. Vargo, J.A. Elrod, and W.C. Jaap. 1988. Platforms of the Nicaraguan Rise: Examples of the sensitivity of carbonate sedimentation to excess trophic resources. *Geology* 16(12): 1104-1107. [NURC/UNCW J-88-04]
- Hallock, P., B.H. Lidz, E.M. Cockey-Burkhard, and K.B. Donnelly. 2003. Foraminifera as bioindicators in coral reef assessment and monitoring: The FORAM Index. *Environmental Monitoring and Assessment* 81(1-3): 221-238.
- Hallock, P., H.K. Talge, D.E. Williams, and J.N. Harney. 1998. Borings in *Amphistegina* (Foraminifera): evidence for predation by *Floresina amphiphaga* (Foraminifera). *Historical Biology* 13: 73-76. [NURC/UNCW J-98-21]
- Hallock, P., H.K. Talge, E.M. Cockey, and R.G. Muller. 1995. A new disease in reef-dwelling foraminifera: Implications for coastal sedimentation. *Journal of Foraminiferal Research* 25(3): 280-286. [NURC/UNCW J-95-25]
- Hallock, P., M. Dotherow McField and S. Sampson. 1999. The prototype radiometer that survived Hurricane Georges. *The Slate*, A News Publication of the American Academy of Underwater Sciences. p. 1. [NURC/UNCW J-99-14]
- Harney, J. 1996. Morphological variability in stressed *Amphistegina gibbosa* (Foraminifera) in the Florida Keys. Master's Thesis, Department of Marine Science, University of South Florida, 60pp.
- Harney, J.N., P. Hallock, and H.K. Talge. 1998. Observations on a trimorphic life cycle in *Ampehistegina gibbosa* populations from the Florida Keys. *Jour. Foram. Res.* 28(2): 141-147. [NURC/UNCW J-98-07]
- Harvell C.D., K. Kim, C. Quirolo, G.W. Smith, J Weir. 2001. Mass mortality of *Briareum asbestinum* associated with the 1998 Caribbean coral bleaching. *Hydrobiologia*.
- Harvell, C.D., K. Kim, J.M. Burkholder, R.R. Colwell, P.R. Epstein, D.J. Grimes, E.E. Hofmann, E.K. Lipp, A.D. M.E. Osterhaus, R.M. Overstreet, J.W. Porter, G.W. Smith and G.R. Vasta. 1999. Emerging Marine Diseases -- Climate links and Anthropogenic Factors. *Science* 285: 1505-1510. [NURC/UNCW J-99-09]
- Hay ME, J Parker, D Burkepille, C Caudill, A Wilson, Z Hallinan, A Chequer. 2004 Vol 35 Mutualisms and aquatic community structure: the enemy of my enemy is my friend. *Annual Review of Ecology, Evolution, and Systematics*.
- Hay, M.E. 1994. Species as 'noise' in community ecology: do seaweeds block our view of the kelp forest? *TREE*. 9(11): 414-416. [NURC/UNCW J-94-33]
- Hay, M.E. (In Press). The ecology and evolution of seaweed-herbivore interactions on coral reefs. *Coral Reefs*.
- Hay, M.E. 1996. Defensive synergisms?: Reply to Pennings. *Ecology* 77(6):1950-1952.

- Hay, M.E. 1996. Marine chemical ecology: What's known and what's next? *J. Exp. Mar. Biol. Ecol.* 200(1-2): 103-134.
- Hay, M.E. 2001. Ecología química marina: paralelos y contrastes con los sistemas terrestres. Pp. 633-714. In: A.L. Anaya, F. Espinosa-García, and R.Cruz-Ortega, editors. *Relaciones Químicas entre Organismos: Aspectos Básicos y Perspectivas de su Aplicación*. Instituto de Ecología, UNAM y Plaza y Valdés, S.A. de C.V. México.
- Hay, M.E. and C. Kicklighter. 2001. Grazing, effects of. *Encyclopedia of Biodiversity*, Volume 3, pages 265-276. Academic Press, San Diego, CA.
- Hay, M.E. and W. Fenical. 1996. Chemical ecology and marine biodiversity: Insights and products from the sea. *Oceanography* 9(1): 10-20. [NURC/UNCW J-96-17]
- Hay, M.E., J. Piel, W. Boland, and I. Schnitzler. 1998. Seaweed sex pheromones and their degradation products frequently suppress amphipod feeding but rarely suppress sea urchin feeding. *Chemoecology* 8: 91-98. [NURC/UNCW J-98-12]
- Hay, M.E., J.J. Stachowicz, E. Cruz-Rivera, S. Bullard, M.S. Deal, and N. Lindquist. (In Press) Bioassays with marine and freshwater organisms: Part I, The chemical ecology of macro organisms. In: J.G. Millar and K.F. Haynes (eds.) *Methods in Chemical Ecology*. Chapman and Hall, New York.
- Hay, M.E., Q.E. Kappel, and W. Fenical. 1994. Synergisms in plant defenses against herbivores: Interactions of chemistry, calcification, and plant quality. *Ecology* 75(6): 1714-1726. [NURC/UNCW J-94-16]
- Heidelberg, K., J. Purcell and K.P. Sebens. (In Press). Composition and sources of near reef zooplankton on a Jamaican fore-reef. *Coral Reefs*.
- Heidelberg, K. B., K. P. Sebens, and J. E. Purcell. 1997. Effects of prey escape behavior and water flow on prey capture by the scleractinian coral, *Meandrina meandrites*.
- Helmuth, B. and K.P. Sebens. 1992. The influence of colony morphology and orientation to flow on particle capture by the coral *Agaricia agaricites* (Linnaeus). *J. Exp. Mar. Biol. Ecol.* 165:1-28.
- Helmuth, B. S. T., K. P. Sebens, and T. L. Daniel. 1997. Morphological variation in coral aggregations: branch spacing and mass flow to coral tissues.
- Henkel, T.P and J.R. Pawlik. 2005. Habitat use by sponge-dwelling brittlestars. *Mar. Bio.* 146:301–313
- Henrikson, A.A. and J.R. Pawlik. 1995. A new antifouling assay method: Results from field experiments using extracts of four marine organisms. *J. Exp. Mar. Biol. and Ecol.* 194(2):157-165.
- Herrnkind, W., M.J. Butler, J. Hunt, and M. Childress. 1997. Role of physical refugia: implications from a mass sponge die-off in a lobster nursery in Florida. *J. Mar. Freshwat. Res.* 48(8):759-769.
- Herrnkind, W.F. and M.J. Butler IV. 1994. Settlement of spiny lobster, *Panulirus argus* (Latreille, 1804) in Florida: Pattern without predictability?. *Crustaceana* 67(1):46-64.
- Herrnkind, W.F., P. Jernakoff, and M.J. Butler IV. 1995. Puerulus and post-puerulus ecology. In: B. Phillips, S. Cobb, and J. Kittaka (eds.) *Spiny Lobster Management: Current Situation and Perspectives*. Blackwell Press, Oxford. pp.213-229. [NURC/UNCW J-95-23]
- Holzmann, M., J. Hohenegger, P. Hallock, W.E. Piller and J. Pawlowski. 2001. Molecular phylogeny of large miliolid foraminifera. (Soritacea Ehrenberg 1839). *Marine Micropaleontology* 43: 57-74. [NURC/UNCW J-01-17]
- Hughes, T., A.M Szmant, R. Steneck, R.C. Carpenter, and S.L. Miller. 1999. Algal blooms on coral reefs: What are the causes? *Limnology and Oceanography* 4(6):1583-1586.
- Hughes, T.P., A.H. Baird, D.R. Bellwood, M. Card, S.R. Connolly, C. Folke, R. Grosberg, O. Hoegh-Guldberg, J.B.C. Jackson, J. Kleypas, J.M. Lough, P. Marshall, M. Nyström, S.R. Palumbi, J.M. Pandolfi, B. Rosen, J. Roughgarden. 2003. Climate Change, Human Impacts, and the Resilience of Coral Reefs; *Science* 301: 929-933.
- Hyun, J.H. 1994. Bacterial activity, growth and production in unique environments. Ph.D. Dissertation, Florida State University, Department of Microbiology. [NURC/UNCW T-94-07]
- Jeffrey, W.H. 1998. Induction of DNA photodamage in marine microbial communities by ultraviolet radiation, pp: 26-30, in *Landmarks in Photobiology*, Proceedings of the 12th International Congress on Photobiology, H. Honigsmann, R.M Knobler, F. Trautinger, and G.Jori (eds). Organizzazione Editoriale Medico Farmaceutica, Sede Legale, Produzione e Redazione: Via Palizzi, 88-20157 Milano (Italy). [NURC/UNCW J-98-03]
- Jinks, R.N., T.L. Markley, E.E. Taylor, G. Perovich, A.I. Dittel, C.E. Epifanio and T.W. Cronin. 2002. Adaptive visual metamorphosis in a deep-sea hydrothermal vent crab. *Nature* 420:68-70. [NURC/UNCW J-02-27]
- Johnson, A.S. and K.P. Sebens. 1993. Consequences of a flattened morphology: Effects of flow on feeding rates of the scleractinian coral *Meandrina meandrites*. *Mar. Ecol. Prog. Ser.* 99(1-2): 99-114. [NURC/UNCW J-93-23]
- Jones, A.C., J.E. Blum, and J.R. Pawlik. 2005. Testing for defensive synergy in Caribbean sponges: Bad taste or glass spicules? *Jour. Exp. Mar. Biol. Ecol.* 322:67– 81.
- Kapela, W. and H.R. Lasker. 1999. Size-dependent reproduction in the Caribbean gorgonian *Pseudoplexura porosa*. *Marine Biology*. 135: 107-114. [NURC/UNCW J-99-17]
- Kapraun, D.F. 1993. Karyology of marine green algae. *Phycologia* 32(1): 1-21. [NURC/UNCW J-93-14]
- Kapraun, D.F. and M.N. Nguyen. 1994. Karyology, nuclear DNA quantification and nucleus-cytoplasmic domain variations in some multinucleate green algae (Siphonocladales, Chlorophyta). *Phycologia* 33(1): 42-52. [NURC/UNCW J-94-13]
- Keener-Chavis, P. and S. Miller. 2004. *Aquarius: America's Inner Space Station*. Current: The Journal of Marine Education, 20(1), 61p.

- Kelly, S.R., P.R. Jensen, T.P. Henkel and J.R. Pawlik. 2003. Effects of Caribbean sponge extracts on bacterial attachment. *Aquatic Microbial Ecology* 31:175-182. [NURC/UNCW J-03-03]
- Kicklighter C.E. and M.E. Hay. (provisionally accepted pending revision). To avoid or deter: Interactions among defensive and escape strategies in sabellid worms. *Oecologia*
- Kicklighter C.E. and M.E. Hay. 2006. Defenses of mobile marine invertebrates are integrated with life-style, mobility, and distribution. *Ecol. Mono.* 76:195-215.
- Kicklighter CE, C.R. Fisher, and M.E. Hay. 2004. Chemical defense of hydrothermal vent and hydrocarbon seep organisms: a preliminary assessment using shallow-water consumers. *Mar. Ecol. Prog. Ser.* 275:11-19
- Kicklighter CE, J Kubanek, T Barsby, ME Hay 2003. Palatability and defense of some tropical infaunal worms: *alykylpyrrole sulfamates* as deterrents to fish feeding. *Marine Ecology Progress Series* 263:299-306. [NURC/UNCW J-03-12]
- Kicklighter, C. E., J. Kubanek, and M. E. Hay. 2004. Do brominated natural products defend marine worms from consumers? Some do, most don't. *Limnology and Oceanography* 49: 430-441
- Kim K, CD Harvell. 2001. Aspergillosis of sea fan corals: dynamics in the Florida Keys. In: Connections Between Ecosystems in the South Florida Hydroscaapes: The River of Grass Continues, edited by Porter JW & K Porter, CRC Press.
- Kim K. A Dobson, FMD Gulland, CD Harvell. (In Press). Disease and the conservation of marine diversity. In: Conservation of Marine Ecosystems, edited by E. Norse and L. Crowder. Island Press.
- Kim, K., C.D. Harvell, P.D. Kim, G.W. Smith, and S.M. Merkel. 2000. Fungal disease resistance of Caribbean sea fan corals (Gorgonian spp.). *Marine*
- Kim, K., P.D. Kim, A.P. Alker, and C.D. Harvell. 2000. Chemical resistance of gorgonian corals against fungal infections. *Marine Biology* 137: 393-401.
- Kirsch, K.D., J.F. Valentine and K.L. Heck Jr. 2002. Parrotfish grazing on turtlegrass *Thalassia testudinum*: evidence for the importance of seagrass consumption in food web dynamics of the Florida Keys National Marine Sanctuary. *Mar. Ecol. Prog. Ser.* Vol. 227, pp. 71-85. [NURC/UNCW J-02-23]
- Kirsch, Kevin D. 1999. Seagrass consumption by herbivorous fish: and underestimated trophic pathway in the Florida Keys in the Florida Keys National Marine Sanctuary. MS Thesis. University of South Alabama, Mobile, Alabama, 61 pages.
- Kubanek, J., K.E. Whalen, S. Engel, S.R. Kelly, T.P. Henkel, W. Fenical and J.R. Pawlik. 2002. Multiple defensive roles of triterpene glycosides from two Caribbean sponges. *Oecologia*, 131:125-136. [NURC/UNCW J-02-01]
- Kubanek, J., Pawlik, J.R., Eve, T.M., and Fenical, W. 2000. Triterpene glycosides defend the Caribbean reef sponge *Erylus formosus* from predatory fishes. *Marine Ecology Progress Series*, 207: 69-77. [NURC/UNCW J-00-18]
- Kubanek, J., W. Fenical, and J. Pawlik. 2001. New antifeedant triterpene glycosides from the Caribbean sponge *Erylus Formosus*. *Natural Product Letters*, 15: 275-285. [NURC/UNCW J-01-06]
- Kuta, K.G. and L.L. Richardson. 2002. Ecological aspects of black band disease of corals: relationship between disease incidence and environment. *Coral Reefs* 21:393-398. [NURC/UNCW J-02-17]
- Kuta, K.G. and L.L. Richardson. 1997. Fate of black band diseased corals in the Florida Keys. *Proceedings of the 8th International Coral Reef Symposium*. 1:575-578.
- Lasker, H.R. and Coffroth, M.A. 1999. Responses of clonal reef taxa to environmental change. *American Zoologist* 39: 92-103.
- Lasker, H.R., K. Kim, and M.A. Coffroth. 1996. Reproductive and genetic variation among Caribbean gorgonians: The differentiation of *Plexaura kuna*, new species. *Bull. Mar. Sci.* 58(1): 277-288. [NURC/UNCW J-96-10]
- Lee, J.J., J. Morale, A. Symons, and P. Hallock. 1995. Diatom symbionts in larger foraminifera from Caribbean hosts. *Mar. Micropaleon.* 26(1): 99-105. [NURC/UNCW J-95-27]
- Lee, J.J., J. Morales, S. Bacus, A. Diamont, P. Hallock, J. Pawlowski, and J. Thorpe. 1997. Progress in characterizing the endosymbiotic dinoflagellates of soritid foraminifera and related studies on some stages in the life cycle of *Marginopora verebralis*. *Jour. Foram. Res.* 27(4): 254-263. [NURC/UNCW J-97-05]
- Leichter, J.J, B. Helmuth, and A. M. Fischer. 2006. Variation beneath the surface: Quantifying complex thermal environments on coral reefs in the Caribbean, Bahamas and Florida. *Journal of Marine Research*, 64, 563–588.
- Leichter, J.J. 1992. Subtidal Suspension Feeders in the Gulf of Maine: Relation of Water Flow to Distributions, Abundance, and Growth Rates Within and Between Rock Walls. M.S. Thesis, Northwestern University, Boston, MA. 101 pp. [NURC/UNCW T-92-06]
- Leichter, J.J. 1997. Coastal ocean physical forcing: International waves on a Florida coral reef. Ph.D. Thesis. Stanford University.
- Leichter, J.J., and S.L. Miller. 1999. Predicting high frequency upwelling: Spatial and temporal patterns of temperature anomalies on a Florida coral reef. *Cont. Shelf Res.* 19: 911-928. [NURC/UNCW J-99-19]
- Leichter, J.J., G. Shellenbarger, S.J. Genovese, S.R. Wing. 1998. Breaking internal waves on a Florida (USA) coral reef: a plankton pump at work? *Mar. Ecol. Prog. Ser.* 166: 83-97. [NURC/UNCW J-98-18]
- Leichter, J.J., H.L. Stewart and S.L. Miller. 2003. Episodic nutrient transport to Florida coral reef. *Limnol. Oceanogr.* 48: 1394-1407.
- Leichter, J.J., S.R. Wing, S.L. Miller, and M.W. Denny. 1996. Pulsed delivery of subthermocline water to Conch Reef, Florida Keys, by internal tidal bores. *Limnol. and Oceanogr.* 41(7): 1490-1501. [NURC/UNCW J-96-12]

- Lesser, M. 2000. Depth-dependent photoacclimatization to solar ultraviolet radiation in the Caribbean coral *Montastraea faveolata*. *Mar. Ecol. Prog. Ser.* 192: 137-151. [NURC/UNCW J-00-03]
- Lesser, M.P., V.M. Weis, M.R. Patterson, and P.L. Jokiel. 1994. Effects of water motion on carbon delivery and productivity in the reef coral, *Pocillopora damicornis*: diffusion barriers, inorganic carbon limitation, and biochemical plasticity. *Journal of Experimental Marine Biology and Ecology* 178: 153-179.
- Lidz, B. H. Reich C. D., and Shinn E. A. 2003 Regional Quaternary Submarine Geomorphology in the Florida Keys Geological Society of America Bulletin (June issue).
- Lidz, B.H. and P. Hallock. 2000. Sedimentary Petrology of a Declining Reef Ecosystem, Florida Reef Tract (U.S.A.). *J. Coast. Res.* 16(3): 675-697.
- Lidz, B.H., E.A. Shinn, A.C. Hine, and S.D. Locker. 1997. Contrasts within an outlier-reef system: evidence for differential quaternary evolution, South Florida Windward Margin, USA. *Journ. of Coast. Res.* 13(3): 711-731. [NURC/UNCW J-97-02]
- Lindel, T., Hoffmann, H., Hochgürtel, M., Pawlik, J.R. 2000. Structure-activity relationship of the inhibition of fish feeding by sponge-derived and synthetic pyrrole-imidazole alkaloids. *Journal of Chemical Ecology*, 26: 1477-1496.
- Lindeman, K.C., G.A. Diaz, J.E. Serafy and J.S. Ault 1999. A spatial framework for assessing cross-shelf habitat use among newly settled grunts and snappers. *Gulf and Caribbean Fisheries Institute* 50:385-416.
- Lindeman, K.C., P.A. Kramer and J.S. Ault. 2001. Comparative approaches to reef monitoring and assessment: an overview. *Bulletin of Marine Science* 69(2):335-338.
- Lindeman, K.C., R. Pugliese, G.T. Waugh and J.S. Ault 2000. Developmental pathways within a multispecies reef fishery: management applications for essential habitats and marine reserves. *Bulletin of Marine Science* 66(3):929-956.
- Lindeman, K.C., T.N. Lee, W.D. Wilson, R. Claro, and J.S. Ault. 2001. Transport of larvae originating in southwest Cuba and the Dry Tortugas: evidence for partial retention in grunts and snappers. *Gulf and Caribbean Fisheries Institute* 52:732-747.
- Lindholm, J., S. Fangman, L. Kaufman and S. Miller. 2005. In situ tagging and tracking of coral reef fishes for the Aquarius undersea laboratory. *Mar. Tech Soc. Journal* 39(1):68-73.
- Lindquist, D.G. and I.E. Clavijo. 1993. Quantifying deep reef fishes from a submersible and notes on a live collection and diet of the red barbier, *Hemanthias vivanus*. *J. Elisha Mitchell Sci. Soc.* 109(3):135-140. [NURC/UNCW J-93-30]
- Lindquist, D.G. and L.J. Pietrafesa. 1989. Current vortices and fish aggregations: The current field and associated fishes around a tugboat wreck in Onslow Bay, North Carolina. *Bull. of Mar. Sci.* 44(2): 533-544. [NURC/UNCW J-89-03]
- Lindquist, D.G., L.B. Cahoon, I.E. Clavijo, M.H. Posey, S.K. Bolden, L.A. Pike, S.W. Burk, and P.A. Cardullo. 1994. Reef fish stomach contents and prey abundance on reef and sand substrata associated with adjacent artificial and natural reefs in Onslow Bay, North Carolina. *Bull. Mar. Sci.* 55(2-3): 308-318. [NURC/UNCW J-94-12]
- Lindquist, N. 1996. Palatability of invertebrate larvae to coral s and sea anenomaes. *Mar. Biol.* 126(4): 745-755. [NURC/UNCW J-96-15]
- Lindquist, N. and M.E. Hay. 1995. Can small rare prey be chemically defended? The case for marine larvae. *Ecol.* 76(4):1347-1358. [NURC/UNCW J-95-26]
- Lindquist, N. and M.E. Hay. 1996. Palatability and chemical defense of marine invertebrate larvae. *Ecol. Monographs* 66(4): 431-450. [NURC/UNCW J-96-14]
- Lindquist, N., E. Lobkovsky, and J. Clardy. 1996. Tridentatols A-C, novel natural products of the marine hydroid *Tridentata marginata*. *Tetrahedron Letters* 37(51): 9131-9134. [NURC/UNCW J-96-09]
- Lindquist, N., R. Bolser, and K. Laing. 1997. Timing of larval release by two Caribbean demosponges. *Mar. Ecol. Prog. Ser.* 155: 309-313.
- Lirman, D., N.R. Gracias, B.E. Gintert, A.C.R. Gleason, R.P. Reid, S. Negahdaripour, and P. Kramer. 2006. Development and application of a video-mosaic survey technology to document the status of coral reef communities. *Environ Mon. Assess.*
- Lirman, D. and M. Miller. 2003. Modeling and Monitoring Tools to Assess Recovery Status and Convergence Rates between Restored and Undisturbed Coral Reef Habitats. *Restoration Ecology*. Vol. 11, Issue 4, pp. 448-456.
- Locker, S.D., A.C. Hine, L.P. Tedesco, and E.A. Shinn. 1996. Magnitude and timing of episodic sea-level rise during the late deglaciation. *Geology*, vol. 24, no. 9, pp. 827-830, Sep
- Lohman, K.J., N.D. Pentcheff, G.A. Nevitt, G.D. Stetten, R.K. Zimmerfaust, H.E. Jarrard and L.C. Boles. 1995. Magnetic orientation of spiny lobsters in the ocean: Experiments with undersea coil systems. *J. Exp. Biol.* 198(10): 2041-2048. [NURC/UNCW J-95-21]
- Lohr, J.E, F. Chen and R.T. Hill. 2005. Genomic analysis of bacteriophage JL001: Insights into its interaction with a sponge-associated alpha-proteobacterium. *Appl. Env. Micro.* 71(3):1598-1609.
- Lyons, M.M., P. Aas, J.D. Pakulski, L.Van Wassenbergen, R.V. Miller, D.L. Mitchell, and W. H. Jeffrey. 1998. DNA damage induced by ultraviolet radiation in coral-reef microbial communities. *Mar. Bio.* 130(3): 537-543. [NURC/UNCW J-98-02]
- Marshall, N.J., T.W. Cronin and T.N. Frank. 2003. Visual adaptations in Crustaceans: Chromatic, developmental, and temporal aspects. In: *Sensory Processing in the Aquatic Environment* (S. Collins and N.J. Marshall, eds). Springer-Verlag, Berlin. pp. 343-372.
- Mazell, C.H., T.W. Cronin, R.L. Caldwell and N.J. Marshall. 2004. Fluorescent Enhancement of Signaling in a Mantis Shrimp. *Science* 303(January 2):51 [NURC/UNCW J-04-01]

- Meester, G.A., A. Mehrotra, J.S. Ault and E.K. Baker (in press). Designing marine reserves for fishery management. *Management Science*.
- Meester, G.A., J.S. Ault, and J.A. Bohnsack. 1999. Visual censusing and the extraction of average length as a biological indicator of stock health. *Naturalista Sicilia* 23:205-222.
- Meester, G.A., J.S. Ault, S.G. Smith and A. Mehrotra. 2001. Integration of simulation and operations research into spatial fishery management decision making. *Sarsia* 86:543-558.
- Miller, M.W. 1994. Ecology of a temperate coral. Ph.D. Dissertation, University of North Carolina at Chapel Hill, Curriculum in Ecology, Chapel Hill, NC 27599. 158pp. [NURC/UNCW T-94-08]
- Miller, M.W. 1995. Growth of a temperate coral: effects of temperature, light, depth, and heterotrophy. *Mar. Ecol. Prog. Ser.*: 122(1-3): 217-225. [NURC/UNCW J-95-12]
- Miller, M.W. 2001. Corallivorous snail removal: evaluation of impact on *Acropora* palmate. *Coral Reefs* 19:293-295. [NURC/UNCW J-01-26]
- Miller, M.W. and M.E. Hay. 1998. Effects of fish predation and seaweed competition on the survival and growth of corals. *Oecologia* 113(2): 231-238. [NURC/UNCW J-98-09]
- Miller, M.W., I.B. Baums, D.E. Williams and A.M. Szmant. 2002. Status of Candidate coral, *Acropora* palmate, and its snail predator in the upper Florida Keys National Marine Sanctuary: 1998-2001. NOAA Technical Memorandum NMFS-SEFSC- 479, pp. 26
- Miller, M.W., M.E. Hay, S.L. Miller, D. Malone, E.E. Sotka, and A.M. Szmant. 1999. Effects of nutrients vs. herbivores on reef algae: A new method for manipulating nutrients on coral reefs. *Limnology and Oceanography* 44: 1847-1861.
- Miller S.L., D.W. Swanson, M. Chiappone, J.S. Ault, S.G. Smith, G.A. Meester, J. Luo, E.C. Franklin, J.A. Bohnsack, D.E. Harper, and D.B. McClellan. 2001. An extensive deep reef terrace on the Tortugas Bank, Florida Keys National Marine Sanctuary. *Coral Reefs* 20:299-300. [NURC/UNCW J-01-25]
- Miller, S.L. and C. Cooper. 2000. The Aquarius underwater laboratory: America's "inner space" station. *MTS Journal* 34(4): 69-74. [NURC/UNCW J-00-09]
- Miller, S.L. and M.P. Crosby. 1998. The extent and condition of U.S. coral reefs. In: NOAA's State of the Coast Report (peer reviewed). NOAA. Silver Spring, MD. pp 1-34.
- Miller, S.L., S. Gittings, M. Chiappone, B. Causey, D.W. Swanson and A. White. (in press) Changes to benthic cover on a deep coral reef in the Florida Keys. *Coral Reefs*
- Mills, M. M. and K. P. Sebens. 1997. Particle ingestion efficiency of the corals *Siderastrea siderea* and *Agaricia agaricites*: Effects of flow speed and sediment loads. *Proc. 8th Int. Coral Reef Symposium, Panama City, 1996* Vol. 2:1059 - 1064.
- Mobley, K.B. 2001. Ultraviolet radiation and carotenoid pigmentation in symbiotic anthozoans. Georgia Southern University, Statesboro, GA. 108 pp.
- Mobley, K.B. and D.F. Gleason. 2003. The effect of light and zooplankton on carotenoid concentrations in the Caribbean anemone *Aiptasia pallida* (Verrill). *Marine Biology*. Vol 143, part 4, pp. 629-638. [NURC/UNCW J-03-17]
- Moore, R.B., K.M. Ferguson, W.K.W. Loh, O. Hoegh-Guldberg and D.A. Carter. 2003. Highly organized structure in the non-coding region of the psbA minicircle from clade C Symbiodinium. *Int J Syst Evol Microbiol* 2003 53: 1725-1734.
- Moore, T. 1994 Reproductive biology of the hermaphroditic wrasse *Halichoeres bivittatus* on a temperate North Carolina reef. M.S. Thesis, University of North Carolina at Wilmington, 601 S. College Road, Wilmington, NC 28403. [NURC/UNCW T-94-10]
- Multer, H. G., Gischler, E., Lundberg, J., Simmons, K. R., and Shinn, E. A. 2002. Key Largo Limestone revisited: Pleistocene shelf-edge facies, Florida Keys, USA. *Facies* 46:229-272.
- Murdoch, T. J. T. and R. B. Aronson. 1999. Scale-dependent spatial variability of coral assemblages along the Florida Reef Tract. *Coral Reefs* 18:341-351.
- Nevitt, G.A., N.D. Pentcheff, K.J. Lohman and R.K. Zimmerfaust. 1995. Evidence for hydrodynamic orientation by spiny lobsters in a patch reef environment. *Journ. of Exper. Biol.* 198(10): 2049-2054. [NURC/UNCW J-95-22]
- Newbold, R.W., Jensen, P.R., Fenical, W., Pawlik, J.R. 1999. Antimicrobial activity of Caribbean sponge extracts. *Aquatic Microbial Ecology*, 19: 279-284
- Niebuhr, D.H. 1999. Environmental stress in hard coral: evaluating lipid as an indicator of sub-lethal stress on short time scales. Ph.D. dissertation, School of Marine Science, College of William & Mary, 152 pp.
- O'Neal, W. and J.R. Pawlik. 2002. A reappraisal of the chemical and physical defenses of Caribbean gorgonian corals against predatory fishes. *Marine Ecology Progress Series*. 240:117-126. [NURC/UNCW J-02-04]
- Pakulski, J.D., P. Aas, W. Jeffrey, M. Lyons, L. Von Waasenbergen, D. Mitchell, and R. Coffin. 1998. Influence of light on bacterioplankton production and respiration in a subtropical coral reef. *Aquatic Micro. Ecol.* 14(2): 137-148. [NURC/UNCW J-98-01]
- Pandolfi, J.M. and B.J. Greenstein. 1997. Preservation of community structure in death assemblages of deep water Caribbean reef corals. *Limnol. and Oceanog.* 42(7): 1505-1516. [NURC/UNCW J-97-09]
- Park, M., W. Fenical, and M.E. Hay. 1992. Debromoisocymbobarbatol, a new chromanol feeding deterrent from the marine alga *Cymopolia barbata*. *Phytochemistry* 31(12): 4115-4118. [NURC/UNCW J-92-26]
- Patterson, M.R. 1992. A chemical engineering view of cnidarian symbioses. *Am. Zoo.* 32(4): 566-582. [NURC/UNCW J-92-20]

- Patterson, M.R. 1992. A mass transfer explanation of metabolic scaling relations in some aquatic invertebrates and algae. *Science* 255(5050): 1421-1423. [NURC/UNCW J-92-01]
- Patterson, M.R. 1984. Patterns of whole colony prey capture in the octocoral *Alcyonium siderium*. *The Biological Bulletin* 167: 613-629.
- Patterson, M.R. 1985. The effects of flow on the biology of passive suspension feeders. Ph.D. Dissertation, Organismic and Evolutionary Biology, Harvard University, Cambridge, Massachusetts. 342 pp.
- Patterson, M.R. 1991. Passive suspension feeding by an octocoral in plankton patches: empirical test of a mathematical model. *The Biological Bulletin* 180: 81-92.
- Patterson, M.R. 1991. The effects of flow on polyp-level prey capture in an octocoral, *Alcyonium siderium*. *The Biological Bulletin* 180: 93-102.
- Patterson, M.R., and K.P. Sebens. 1989. Forced convection modulates gas exchange in cnidarians. *Proceedings of the National Academy of Sciences (USA)* 86: 8833-8836.
- Patterson, M.R., J.H. Sias, and D.V. Gouge. 2001. AUVs and scientific diving: a looming conflict? *Journal of the Marine Technology Society* 34: 75-81.
- Patterson, M.R., K.P. Sebens, and R.R. Olson. 1991. *In situ* measurements of forced convection on primary production and dark respiration in reef corals. *Limnol. Oceanogr.* 36:936-948.
- Paul, J. H., J. B. Rose, S. C. Jiang, C. A. Kellogg, and L. Dickson. 1993. Distribution of viral abundance in the reef environment of Key Largo, Florida. *Applied and Environmental Microbiology* 59(3): 718-724. [NURC/UNCW J-93-01]
- Paul, J.H., J.B. Rose, J.Brown, E.A. Shinn, S. Miller, and S.R. Farrah. 1995. Viral tracer studies indicate contamination of marine waters by sewage disposal practices in Key Largo, Florida. *Appl. Env. Microbiol.* 61(6):2230-2234. [NURC/UNCW J-95-02]
- Paul, J.H., J.B. Rose, S.Jiang, C. Kellogg, and E.A. Shinn. 1995. Occurrence of fecal indicator bacteria in surface waters and the subsurface aquifer in Key Largo, Florida. *Appl. Env. Microbiol.* 61(6): 2235-2241. [NURC/UNCW J-95-01]
- Pawlik, J.R., G. McFall and S. Zea. 2002. Does the odor from sponges of the genus *Ircinia* protect them from fish predators?. *Journal of Chemical Ecology*, 28:1103-1115. [NURC/UNCW J-02-02]
- Pawlik, J.R. 1997. Fish predation on Caribbean reef sponges: an emerging perspective of chemical defenses. *Proc. 8th Internat. Coral Reef Symp.*, 2:1255-1258, Panama City, Panama.
- Pawlik, J.R. 1998. Coral reef sponges: Do predatory fishes affect their distribution? *Limnol. Oceanogr.* 43(6):1396-1399. [NURC/UNCW J-98-04]
- Pawlik, J.R., B. Chanas, R.J. Toonen and W. Fenical. 1995. Defenses of Caribbean sponges against predatory reef fish: I. Chemical deterrence. *Mar.*
- Pawlowski, J., M. Holzmann, J.F. Fahrni and P. Hallock. 2001. Molecular identification of algal endosymbionts in large miliolid foraminifera: 1. Chlorophytes. *J. Eukaryot. Microbiology* 48(3): 362-367. [NURC/UNCW J-01-16]
- Pentcheff, N.D., D.S. Wethey and C.M. Finelli. 2001. Flow effects on coral physiology: field measurements on a natural coral reef. *American Society of Limnology and Oceanography, Annual Meeting, Albuquerque, NM*, February 12.
- Pile, A. J. 1997. Finding Reiwig's missing carbon: quantification of sponge feeding using dual-beam flow cytometry. *Proceedings of the 8th International Coral Reef Symposium* 2:1403-1410.
- Pile, A.J. 1996. The role of microbial food webs in benthic-pelagic coupling on freshwater and marine ecosystems. Ph.D. Thesis. The College of William and Mary, Williamsburg, Virginia, USA, 166pp.
- Pile, A.J. and C.M. Young. 1999. Plankton availability and retention efficiencies of cold-seep symbiotic mussels. *Limnology and Oceanography*. 44(7): 1833-1839.
- Pile, A.J., M.R. Patterson, and J.D. Witman. 1996. *In situ* grazing on plankton < 10 µm by the boreal sponge *Mycale lingua*. *Marine Ecology Progress Series* 141: 95-102.
- Pile, A.J., M.R. Patterson, M. Savarese, V.I. Chernykh, and V.A. Fialkov. 1997. Trophic effects of sponge feeding within Lake Baikal's littoral zone: 2. Sponge abundance, diet, feeding efficiency, and carbon flux. *Limnology and Oceanography* 42(1): 178-184
- Pisut, D.P. and J.R. Pawlik. 2002. Anti-predatory chemical defenses of ascidians: Secondary metabolites or inorganic acids? *Journal of Experimental Marine Biology and Ecology*. 207: 203-214. [NURC/UNCW J-02-03]
- Pitts, P.A. 2001. Interactions between Florida Bay and Atlantic shelf waters in response to Tropical Storm Gordon. *Estuarine, Coastal and Shelf Science* 52:225-235.
- Pitts, P.A. 1994. An investigation of near-bottom flow patterns along and across Hawk Channel, Florida Keys. *Bull. Mar. Sci.* 54(3): 610-620. [NURC/UNCW J-94-42]
- Pitts, P.A. and N.P. Smith. 1995. Air-water heat energy fluxes in lower Florida Keys: Fall and winter months *Bull. Mar. Sci.* 56(3):767-777. [NURC/UNCW J-95-24]
- Porter, J.W. and O.W. Meier. 1992. Quantification of loss and change in Floridian reef coral populations. *Am. Zoo.* 32: 625-640. [NURC/UNCW J-92-23]
- Precht, W.F. and S.L. Miller. 2003. Ecological shifts along the Florida reef tract: Is the past the key to the future? In: R.B. Aronson (ed) *The destruction of coral reef ecosystems: Paleocological perspectives on the human role in a global crisis*. Springer Verlag, NY.
- Puyana, M., W. Fenical and J.R. Pawlik. 2003. Are there activated chemical defenses in sponges of the genus *Aplysina* from the Caribbean? *Marine Ecology Progress Series*, 246: 127-135. [NURC/UNCW J-03-01]

- Richardson, L.L. and K.G. Kuta. 2003. Ecological physiology of the black band disease cyanobacterium *Phormidium corallyticum*. *FEMS Microbiology Ecology* 43(3):287-298. [NURC/UNCW J-03-21]
- Richardson, L.L. and R.B. Aronson. (In Press) Infectious diseases of reef corals. Proceedings of the 9th International Coral Reef Symposium.
- Richardson, L.L. 1996. Motility patterns of *Phormidium corallyticum* and *Beggiatoa* spp. associated with black band disease of corals. *Microbial Ecology*. 32:323-335.
- Richardson, L.L. 1997. Occurrence of the the black-band disease cyanobacterium on healthy corals of the Florida Keys. *Bulletin of Marine Science*. 61:485-490.
- Richardson, L.L. 1998. Coral diseases: What is really known? *Trends in Ecology and Evolution*. 13:438-443.
- Richardson, L.L. 2000. Coral epidemiology. In, Opportunities for Environmental Applications of Marine Biotechnology, Proceedings of the Workshop, Biology Board, National Research Council, National Academy Press, Washington DC. pp. 85-95.
- Richardson, L.L., G.W. Smith, K.B. Ritchie and R.G. Carlton. 2001. Integrating microbiological, microsensor, molecular, and physiologic techniques for the study of coral disease pathogenesis. *Hydrobiologia*. 460:71-89.
- Richardson, L.L., K. Kuta, S. Schnell, and R.G. Carlton. 1997. Ecology of the black band disease microbial consortium. Proceedings of the 8th International Coral Reef Symposium. 1:597-600.
- Richardson, L.L., W.M. Goldberg, R.G. Carlton and J.C. Halas. 1998. Coral disease outbreak in the Florida Keys: Plague Type II. *Revista de Biología Tropical*. 46, Supl.5:187-198.
- Richardson, L.L., W.M. Goldberg, K.G. Kuta, R.B. Aronson, G.W. Smith, K.B. Ritchie, J.C. Halas, J.S. Feingold, and S.L. Miller. 1998. Florida's mystery coral-killer identified. *Nature*. 392:557-558.
- Rose, C. D., W. S. Sharp, W. J. Kenworthy, J. H. Hunt, W. G. Lyons, E.J. Prager, J. F. Valentine, M. O. Hall, P. Whitfield and J. W. Fourqurean. 1999. Overgrazing of a large seagrass bed by the sea urchin *Lytechinus variegatus* in outer Florida Bay. *Marine Ecology Progress Series* 190: 211-222.
- Salih, A., A. Larkum, T. Cronin, J. Wiedenmann, R. Szymczak, and G. Cox. (in press) Biological properties of coral GFP-type proteins provide clues for engineering novel optical probes and sensors. *Proc. of SPIE* 5329
- Sammarco, P. W. 1996. Comments on coral reef regeneration, bioerosion, biogeography, and chemical ecology: Future directions. *J. Exp. Mar. Biol. Ecol.* 200(1-2):135-168.
- Sanderson, S.L., J.J. Cech, Jr., and M.R. Patterson. 1991. Fluid dynamics in suspension-feeding blackfish. *Science* 251: 1346-1348.
- Schnitzler, I., G. Pohnert, M.E. Hay, and W. Boland. 2001. Chemical defense of the brown algae (*Dictyopteris* spp.) against the herbivorous amphipod *Ampithoe longimana*. *Oecologia* 126: 515-521.
- Schnitzler, I., W. Boland, and M.E. Hay. 1998. Organic sulfur compounds from *Dictyopteris* spp. deter feeding by an herbivorous amphipod (*Ampithoe longimana*) but not by an herbivorous sea urchin (*Arbacia punctulata*). *Jour. Chem. Eco.* 24(10):1715-1732. [NURC/UNCW J-98-13]
- Schopmeyer, S.A. 2002. The role of mucus in the ultraviolet radiation protection of *Porites astreoides*. Georgia Southern University. Statesboro, GA. 69 pp.
- Sebens, K. P. 1997. Adaptive responses to water flow: Morphology, energetics, and distribution of reef corals. Proc. 8th Int. Coral Reef Symposium, Panama City, 1996. Vol 2. 1053 - 1058.
- Sebens, K. P. 2002. Energetic constraints, size gradients and size limits in benthic marine invertebrates. *Integ. and Comp. Biol.* 42:853-861.
- Sebens, K.P. 1994. Biodiversity of coral reefs: What are we losing and why? *Amer. Zool.* 34(1): 115-133.
- Sebens, K.P. and A.S. Johnson. 1991. Effects of water movement on prey capture and distribution of reef corals. *Hydrobiologia* 226(2): 91-101. [NURC/UNCW J-91-06]
- Sebens, K.P., B. Helmuth, E. Carrington and B. Agius. 2003. Effects of water flow on growth and energetics of the scleractinian coral *Agaricia tenuifolia*,
- Sebens, K.P., J. Witting and B. Helmuth. 1996. Effects of water flow and aggregation on particle capture by the reef coral *Madracis mirabilis*. *J. Exp. Mar. Biol. Ecol.* 211:1-28.
- Sebens, K.P., K. Vandersall, L. Savina and K. Graham. 1996. Zooplankton capture by two scleractinian corals, *Madracis mirabilis* and *Montastrea cavernosa*, in a field enclosure. *Mar. Biol.* 127(2):303-317.
- Sebens, K.P., S. Grace, B. Helmuth, E. Maney, and J. Miles. 1998. Water flow and prey capture by three scleractinian corals, *Madracis mirabilis*, *Montastrea cavernosa*, and *Porites porites* in a field enclosure. *Mar. Biol.* 131(2): 347-360. [NURC/UNCW J-98-26]
- Shashar, N., S. Kinane, P.L. Jokiel, and M.R. Patterson. 1996. Hydromechanical boundary layers over a coral reef. *Journal of Experimental Marine Biology and Ecology* 199(1): 17-28.
- Shen, Y., P.I. Tsai, W. Fenical, and M.E. Hay. 1993. Secondary metabolite chemistry of the Caribbean marine alga *Sporochnus bolleanus*: A basis for herbivore chemical defense. *Phytochemistry* 32(1):71-75. [NURC/UNCW J-93-06]
- Shinn E. A., Reich C. D., and Hickey, T. D., 2002, Seepage Meters and Bernoulli's Revenge. *Estuaries* vol. 25, No. 1 p. 126-132.
- Shinn, E.A., C.D. Reich, S.D. Locker, and A.C. Hines. 1996. A giant sediment trap in the Florida Keys. *Jour. Coast. Res.* 12(4): 953-959. [NURC/UNCW J-96-08]

- Sluka, R., M. Chiappone, and K.M. Sullivan. 1994. Comparison of juvenile grouper populations in southern Florida and the central Bahamas. *Bull. Mar. Sci.* 54(3): 871-880. [\[NURC/UNCW J-94-07\]](#)
- Smith, C. M. and L. J. Walters. 1999. Vegetative Fragmentation in Three Species of *Caulerpa* (Chlorophyta, Caulerpales): The Importance of Fragment Origin, Fragment Length, and Wound Dimensions as Predictors of Success. *PSZN Mar. Ecol.* 20: 307-319.
- Smith, N.P. 1998. Tidal and long-term exchanges through channels in the middle and upper Florida Keys. *Bulletin of Marine Science* 62:199-211.
- Smith, N.P. and P.A. Pitts. 2002. Regional-scale and long-term transport patterns in the Florida Key, pp: 343-360; In: J.W. Porter and K.G. Porter (eds.) *The Everglades, Florida Bay and Coral Reefs of the Florida Keys, An Ecosystem Sourcebook*. CRC Press.
- Snell, T. 1997. Morphological and Genetic Variation in the scleratinian coral *Montastrea cavernosa*. M.Sc. Thesis, Zool. & Physiol., LA State Univ., Baton Rouge.
- Snell, T., D.W. Foltz, and P.W. Sammarco. 1998. Morphological and genetic variation in *Montastrea cavernosa* (Coelenterata, Scleractinia) from the Flower Garden Banks and the Florida Keys: Preliminary analysis. *Gulf Mex. Sci.* 1998: 188-195. [\[NURC/UNCW J-98-25\]](#)
- Sotka, E.E. and M.E. Hay. 2002. Geographic variation among herbivore populations in tolerance for a chemically-rich seaweed. *Ecology* 83: 2721-2735
- Sotka, E.E., J.P. Wares, M.E. Hay. 2003. Geographic and genetic variation in feeding preference for chemically-defended seaweeds. *Evolution*. Vol. 57, No. 10, pp. 2262-2276.
- Sotka, E.E., M.E. Hay, and J.D. Thomas. 1999. Host-plant specialization by a non-herbivorous amphipod: advantages for the amphipod and costs for the seaweed. *Oecologia* 118:471-482.
- Stachowicz, J.J. and M.E. Hay 2000. Geographic variation in camouflaging behavior by a decorator crab: southern populations specialize on chemically noxious decorations. *American Naturalist* 156: 59-71
- Stachowicz, J.J. and M.E. Hay. 1996. Facultative mutualism between an herbivorous crab and a coralline alga: Advantages of eating noxious seaweeds. *Oecologia* 105(3):377-387.
- Stachowicz, J.J. and N. Lindquist. 1997. Chemical defense among hydroids on pelagic Sargassum: predator deterrence and absorption of solar UV radiation by secondary metabolites. *Mar. Ecol. Prog. Ser.* 155: 115-126. [\[NURC/UNCW J-97-15\]](#)
- Stoner, A.W. 1997. Status of queen conch, *Strombus gigas*, research in the Caribbean. *Mar. Fish. Rev.* 59(3): 14-22. [\[NURC/UNCW J-97-14\]](#)
- Stoner, A.W. and R.A. Glazer. 1998. Variation in natural mortality: implications for queen conch stock enhancement. *Bull. Mar. Sci.* 62(2): 427-442.
- Stoner, A.W. R.A. Glazer, and B.J. Barile. 1996. Larval supply to queen conch nurseries: Relationships with recruitment process and population size in Florida and the Bahamas. *J. Shellfish Res.* 15(2):407-420.
- Stoner, A.W., M. Ray, R.A. Glazer, and K.J. McCarthy. 1996. Metamorphic responses to natural substrata in a gastropod larva: decisions related to postlarval growth and habitat preference. *J. Exp. Mar. Biol. Ecol.* 205(1-2): 229-243. [\[NURC/UNCW J-96-20\]](#)
- Stoner, A.W., N. Mehta, and T.N. Lee. 1997. Recruitment of *Strombus veligers* to the Florida Keys reef tract: relation to hydrographic events. *J. Shellfish Res.* 16:1-6.
- Swain, T., H.R. Lasker, K. Kim 1997 Enumeration of sperm in broadcast spawning species, 8th Int. Coral Reef Symp., Panama.
- Swearingen, D.C. and J.R. Pawlik. 1998. Variability in the chemical defense of the sponge *Chondrilla nucula* against predatory reef fishes. *Mar. Bio.* 131(4): 619-627. [\[NURC/UNCW J-98-05\]](#)
- Swearingen, D.C. III. 1996. Variability in the growth form and chemical defense of the sponge *Chondrilla nucula*. M.S. Thesis, University of North Carolina at Wilmington, 601 S. College Road, Wilmington, NC 28403.
- Szmant, A. M. and A. Forrester. 1996. Water column and sediment nitrogen and phosphorus distribution patterns in the Florida Keys, USA. *Coral Reefs* 15(1):21-41.
- Takabayashi, M., D. A. Carter, J. V. Lopez, O. Hoegh-Guldberg. 2003. Genetic variation of the scleractinian coral *Stylophora pistillata*, from western Pacific reefs *Coral Reefs* 22: 17-22.
- Talge, H.K. 2002. Cytology of Symbiont Loss (Bleaching) in *Amphistegina gibbosa* (Class Foraminifera). Ph.D. Dissertation, University of South Florida, Tampa, FL,
- Talge, H.K. and P. Hallock. 1993. Observations of symbiont loss in benthic foraminifera. *J. Scanning Microscopy* 15(supp. III): 86-88. [\[NURC/UNCW J-93-33\]](#)
- Talge, H.K. and P. Hallock. 1995. Cytological examination of symbiont loss in a benthic foraminifer, *Amphistegina gibbosa*. *Mar. Micropaleon.* 26(1-4): 107-113. [\[NURC/UNCW J-95-16\]](#)
- Talge, H.K., D.E. Williams, P. Hallock, and J.N. Harney. 1997. Symbiont loss in reef foraminifera: Consequences for affected populations. *Proc. 8th Int. Coral Reef Symp.*, 1:589-594, Panama City, Panama. [\[NURC/UNCW J-97-03\]](#)
- Taylor R.B., E. Sotka, and M.E. Hay 2002. Tissue-specific induction of herbivore resistance: seaweed response to amphipod grazing. *Oecologia* 132:68-76
- Taylor, R.B., N. Lindquist, J. Kubanek, and M.E. Hay 2003. Intraspecific variance in palatability and defensive chemistry of brown seaweeds: effects on herbivore fitness. *Oecologia* 136:412-423 [\[NURC/UNCW J-03-07\]](#)

- Toler, S. K. 2002. Shell damage in bleaching stressed *Amphistegina gibbosa* (Class Foraminifera) from the Florida Keys. Ph.D. Dissertation, University of South Florida, Tampa, FL . 136 pp.
- Toler, S.K. and P. Hallock. 1998. Shell malformation in stressed *Amphistegina* populations: relation to biomineralization and paleoenvironmental potential. *Mar. Micropaleontology*. 34:107-115. [NURC/UNCW J-98-22]
- Toler, S.K., P. Hallock and J. Schijf. 2001. Mg/Ca ratios in stressed foraminifera, *Amphistegina gibbosa*, from the Florida Keys. In: *Marine Micropaleontology* 43: 199-206. [NURC/UNCW J-01-15]
- Top, Z., L.E. Brand, R.D. Corbett, W. Burnett, and J. Chanton, 2001. Helium and radon as tracers of groundwater input into Florida Bay. *Journal of Coastal Research*, 17, No.4, 859-868. [NURC/UNCW J-01-07]
- Toscano, M.A. 1996. Late quaternary stratigraphy, sea-level history, and paleoclimatology of the southeast Florida outer continental shelf. Ph.D. Dissertation, Department of Marine Science, University of South Florida, St. Petersburg, FL. 280pp.
- Trussell, G.C. 1998. Phenotypic clines in the intertidal snail *Littorina obtusata*: the role of water temperature and predator effluent as inducers of phenotypic plasticity and associated trade-offs in shell form. Ph.D. dissertation, School of Marine Science, College of William & Mary, 210 pp.
- Valentine, J.F, K.L. Heck, Jr., D. Blackmon, M.E. Goecker, J. Christian, R.M. Kroutil, K.D. Kirsch, B.J. Peterson, M. Beck and M.A. Vanderklift. 2007. Food web interactions along seagrass-coral reef boundaries: effects of piscivore reductions on cross-habitat energy exchange. *Mar. Ecol. Prog. Ser.* 333:37-50.
- Valentine J.F., K.L. Heck, Jr., and K.D. Kirsch. 2000. The importance of the grazing pathway in seagrass food webs: a changing paradigm. *Biologia Marina Mediterranea*. 7: 290-293.
- Valentine, J.F. and K.L. Heck, Jr. 1999. Seagrass herbivory: evidence for the continued grazing of marine grasses. *Mar. Ecol. Prog. Ser.* 176: 291-302.
- Valentine, J.F., K.L. Heck Jr., and A.M. Cinkovich. 2002. Impacts of seagrass food webs on marine ecosystems: a need for a broader perspective. *Bulletin of Marine Science*. Vol. 71, no. 3, pp. 1361-1368. Nov
- Valentine, J.F., K.L. Heck, Jr., K.D. Kirsch, and D. Webb. 2000. Seagrass herbivory in the turtlegrass habitats of the Florida Keys. *Mar. Ecol. Prog. Ser.* 200: 213-228.
- Vroom, P. S., C. M. Smith, J. A. Coyer, L. J. Walters, C. L. Hunter, K. S. Beach and J. E. Smith. 2003. Field Biology of *Halimeda tuna* (Bryopsidales, Chlorophyta) Across a Depth Gradient: Comparative Growth, Survivorship, Recruitment, and Reproduction. *Hydrobiologia* 501:149-166.
- Waddell, B. and J.R. Pawlik. 2000. Defenses of Caribbean sponges against invertebrate predators. I. Assays with hermit crabs. *Mar. Ecol. Prog. Ser.* 195: 125-132. [NURC/UNCW J-00-01]
- Waddell, B. and J.R. Pawlik. 2000. Defenses of Caribbean sponges against invertebrate predators. II. Assays with sea stars. *Mar. Ecol. Prog. Ser.* 195: 133-144. [NURC/UNCW J-00-02]
- Waddell, B., Pawlik, J.R. 1999. Defenses of Caribbean sponges against invertebrate predators: II. Assays with sea stars. *Mar. Ecol. Prog. Ser.*, 195: 133-144
- Waddell, B., Pawlik, J.R. 1999. Defenses of Caribbean sponges against invertebrate predators: I. Assays with hermit crabs. *Mar. Ecol. Prog. Ser.*, 195: 125-132
- Walters, K.D. and J.R. Pawlik. 2005. Is There a Trade-Off between wound-healing and chemical defenses among Caribbean reef sponges? *Integr. Comp. Biol.* 45:352-358.
- Walters, L. and K. Beach. 2000. Algal Bloom in the Florida Keys. *Underwat. Nat.* 25(3): 27-29.
- Walters, L. J. 2003. Understanding Marine Bioinvasions: Classroom Experiments with Macroalgae. *Journal of the Marine Education Association* 18: 7-10.
- Walters, L. J., C. M. Smith and M. G. Hadfield. 2003. Recruitment of Sessile Marine Invertebrates on Hawaiian Macroflora: Do Pre-Settlement or Post-Settlement Processes Keep Plants Free From Biological Fouling? *Bulletin of Marine Science* 72:813-839.
- Walters, L. J., Smith, C. M. and M. G. Hadfield. 2000. Recruitment of Sessile Marine Invertebrates on Hawaiian Macroflora: Do Pre-Settlement or Post-Settlement Processes Keep Plants Free From Biological Fouling? 2000 SCIB Annual Meeting, Atlanta, GA (USA), 4-8 Jan. (World Meeting Number 001 5049)
- Walters, L. J., Smith, C. M., Coyer, J. A., Hunter, C. L., Beach, K. S. and P. S. Vroom. 2002. Asexual Propagation in the Coral Reef Macroalga *Halimeda* (Chlorophyta, Bryopsidales): Production, Dispersal and Attachment of Small Fragments. *Journal of Experimental Marine Biology and Ecology* 278: 47-65. [NURC/UNCW J-02-18]
- Warner, M. E., W. K. Fitt, G. C. Chilcoat and F. K. McFarland 2002. "Seasonal fluctuation of photosynthetic efficiency of photosystem II in symbiotic dinoflagellates within the reef-building Caribbean coral *Montastraea*." *Marine Biology* 141: 31-38. [NURC/UNCW J-02-19]
- Warner, M.E., W.K. Fitt, and G.W. Schmidt. 1999. Damage to photosystem II in symbiotic dinoflagellates: A determinant of coral bleaching. *Proc. Natl. Acad. Sci. USA*. 96(14): 8007-8012. [NURC/UNCW J-99-07]
- Warner, M.E., W.K. Fitt, G.W. Schmidt. 1996. The effects of elevated temperature on the photosynthetic efficiency of zooxanthellae *in hospite* from four different species of reef coral: a novel approach. *Plant. Cell and Environment* 19(3): 291-299. [NURC/UNCW J-96-21]
- Williams, D.E. and P. Hallock. 2004. Light requirements and bleaching in *Amphistegina gibbosa*: Observations from Laboratory Experiments. *Marine Biology* 145: 641-649.

- Williams, D. E. 2002. Population ecology of bleaching-stressed *Amphigestina Gibbosa* in the Florida Keys (1991-1999): Influence of solar radiation on reef-dwelling foraminifera. Ph.D. dissertation, University of South Florida, 163 pages.
- Williams, D. E. 2002. Population ecology of bleaching-stressed *Amphigestina Gibbosa* in the Florida Keys (1991-1999): Influence of solar radiation on reef-dwelling foraminifera. Ph.D. dissertation, University of South Florida, 163 pages. [NURC/UNCW T-02-01]
- Williams, D.E., P. Hallock, H.K. Talge, J.N. Harney, and G. McRae. 1997. Responses of *Amphistina gibbosa* populations in the Florida Keys (USA) to a multi-year stress event (1991-1996). *Journal of Foraminiferal Research* 27(4): 264-269. [NURC/UNCW J-97-13]
- Wilson, D.M., M. Puyana, W. Fenical, and J.R. Pawlik. 1999. Chemical Defense of the Caribbean reef sponge *Axinella corrugata* against predatory fishes. *Journal of Chemical Ecology*. 25(12): 2811-2824. [NURC/UNCW J-99-10]
- Wing, S.R., and J.J. Leichter. 1996. Storm-generated physical variability on Conch Reef, Florida Keys. *Proc. Intl. Coral Reef Symposium, Panama City* 2: 1097-1102.
- Wing, S.R., and M.R. Patterson. 1993. Effects of wave-induced lightflecks in the intertidal zone on photosynthetic efficiency in the macroalgae *Postelsia palmaeformis* and *Hedophyllum sessile* (Phaeophyceae). *Marine Biology* 116: 519-525.
- Witting, J. and K. P. Sebens. (In Press). The role of zooplankton capture in six Caribbean scleractinian corals: in situ evidence that heterotrophy enhances