

# ***POSTER PRESENTATIONS***

- \* Indicates poster presenter
- ▶ Posters to be considered for “Best Student Poster Presentation”

## **SOFT SEDIMENT ECOLOGY: A TRIBUTE TO RICHARD WARWICK**

- #1 Austen\*, Melanie Clare, and S. Widdicombe  
**COMPARISON OF THE RESPONSE OF MEIO- AND MACROBENTHOS TO DISTURBANCE INCLUDING THE INTERACTIVE EFFECTS OF PHYSICAL DISTURBANCE AND ORGANIC ENRICHMENT.**
- #2 Gobin\*, Judith F., and R.M. Warwick  
**LATITUDINAL GRADIENTS IN SPECIES DIVERSITY: A COMPARISON OF MARINE POLYCHAETES AND NEMATODES.**
- #3 Quintino\*, Victor, J.H. Allen, M Elliott, and A.M. Rodrigues  
**THE DERIVATION AND ROLE OF UNIVARIATE AND MULTIVARIATE INDICATORS OF BENTHIC CHANGE: CASE STUDIES AT DIFFERING SPATIAL SCALES**
- #4 Jackson\*, E.L., M.J. Attrill, A.A. Rowden, M.B. Jones  
**SEAGRASS COMPLEXITY HIERARCHIES: INFLUENCE ON FISH GROUPS AROUND THE COAST OF JERSEY (ENGLISH CHANNEL).**
- #5 Hyland\*, Jeffrey L., C. Cooksey, W.L. Balthis, M. Fulton, and D. Bearden  
**CHARACTERIZATION OF BENTHIC INFAUNA AND ENVIRONMENTAL QUALITY AT GRAY’S REEF NATIONAL MARINE SANCTUARY (GRNMS) AND NEARBY SHELF WATERS OFF THE COAST OF GEORGIA**
- #6 ▶ REXING\*, Stephanie Rose, and J.L. Hyland  
**STRUCTURE AND TROPHIC IMPORTANCE OF BENTHIC MACROINFAUNAL COMMUNITIES AROUND LIVE-BOTTOM REEFS AT GRAY’S REEF NATIONAL MARINE SANCTUARY (GRNMS)**
- #7 Weissberger\*, Eric J., L.M. Mayer, and P.A. Jumars  
**SEASONAL VARIATION IN POLYCHAETE SEDIMENT DEPTH DISTRIBUTION IN WILKINSON BASIN, GULF OF MAINE**
- #8 ▶ DORGAN\*, Kelly M., and P.A. Jumars  
**BURROWING IN MUD AND SAND: DIFFERENT MECHANISMS IN DIFFERENT MEDIA**
- #9 Whitlatch\*, Robert B., R.W. Osman, R.N. Zajac, and J. Mercer.  
**THE INTERACTIVE EFFECTS OF CLIMATE CHANGE AND LAND USE PATTERNS ON THE ALTERATION OF COASTAL MARINE SYSTEMS BY INVASIVE SPECIES**
- #10 Rowden\*, Ashley A. and Richard M. Warwick  
**SCALES OF MACRO- AND MEIO-BENTHIC SPATIAL HETEROGENEITY IMPOSED BY BIOTURBATION**

## **BEHAVIORAL ECOLOGY**

- #11 ▶ CLAIBORNE\*, Elizabeth Jean, and R.B. Forward, Jr  
**BIOLOGICAL RHYTHMS IN EMERITA TALPOIDA IN COASTAL NORTH CAROLINA**
- #12 ▶ CLAIBORNE\*, Elizabeth Jean, D. M. Clifford, M. E. Yehl, and J.M. Welch  
**BEHAVIORAL RESPONSES OF *Bispira brunnea* AND *Anamobaea orstedii* TO SHADOW, TOUCH/APPROACH, AND VIBRATION STIMULI ON SAN SALVADOR, BAHAMAS**
- #13 ▶ CORNWELL\*, Angie Wang and S.H. Jury  
**SALINITY PREFERENCE IN *Callinectes sapidus***

- #14 Stickle\*, William Bennett  
**AGONISTIC INTERACTIONS IN TWO SPECIES OF BLUE CRABS**
- #15 ► Williamson\*, Tucker Jordan  
**EFFECTS OF MULTIPLE PREDATORS ON BEHAVIOR WITH VARYING PREDATOR AND PREY DENSITIES**
- #16 ► Mahon\*, A.R., H.K. Mahon, D.M. Dauer, and G.R. Read  
**INTEGRATION OF FUNCTIONAL MORPHOLOGY, FEEDING BEHAVIOUR AND MOLECULAR BIOLOGY OF *Boccardia* spp**

### **BENTHIC-PELAGIC COUPLING**

- #17 Hégaret, Hélène, S.E. Shumway\*, and G.H. Wikfors  
**BIVALVES AS A POTENTIAL VECTOR OF TRANSPORT OF HARMFUL ALGAE**
- #18 ► Stinson\*, Lani Treadway, W.G. Ambrose, M.L. Carroll, L.M. Clough, G.R. Lopez, and M.K. Sejr  
**GROWTH OF THE ARCTIC BIVALVE, *Serripes groenlandicus*, FROM NORWAY, ALASKA AND GREENLAND: LARGE SCALE CLIMATE PATTERNS AND LOCAL CONDITIONS**
- #19 ► Morata\*, Nathalie, P.E. Renaud, A. Riedel, M. Gosselin, C. Michel, and A. Chiuchiolo  
**RAPID RESPONSE OF THE BENTHIC COMMUNITY TO AN ICE ALGAL BLOOM IN THE BEAUFORT SEA, CANADIAN ARCTIC**

### **COMMUNITY ECOLOGY**

- #20 ► Altman\*, Safra, A.H. Hines, and G.M. Ruiz  
**INVASION SUCCESS OF COLONIAL TUNICATES**
- #21 ► Chapman, John W., J.T. Carlton, M.R. Bellinger, and A.M.H. Blakeslee\*  
**THE CASE HISTORY OF THE MARINE SNAIL *Littorina littorea* IN THE NORTHWESTERN ATLANTIC**
- #22 ► Fowler\*, Amy Elise, J.E. Byers, M. M. Eastwood  
**CRYPTOCOTYLE LINGUA ABUNDANCE AND PREVALENCE IN MARINE BIRDS**
- #23 ► Lindner\*, Alberto, and S. Blair  
**COLOR AND COLONY VARIATION IN THE CALIFORNIA HYDROCORAL *Stylaster californicus* (CNIDARIA) AND RELATED SPECIES.**
- #24 ► Johnson\*, Sheri L., M. M. Doellman, and P. O. Yund  
**DENSITY DEPENDENT HISTORECOGNITION IN THE COLONIAL ASCIDIAN, *Botryllus schlosseri*, AS INFLUENCED BY PATERNITY**
- #25 ► Kordas\*, Rebecca Lee, and S.R. Dudgeon  
**ANALYSIS OF PER CAPITA INTERACTION STRENGTH BETWEEN ROCKWEEDS AND BARNACLES ALONG A LATITUDINAL GRADIENT**
- #26 Jarrett\*, Jeremiah N., and C. Blair  
**GROWTH, SURVIVAL, AND SIZE-SPECIFIC REPRODUCTION OF THE BARNACLE *Chthamalus fissus* FROM TWO SITES IN SOUTHERN CALIFORNIA AND BAJA CALIFORNIA**
- #27 Becklin\*, Katie Marie, and M. D. Bertness  
**SEASONAL CLIMATE CHANGE AND SALT MARSH ZONATION**
- #28 ► Booth\*, Dale Marie, and K. L. Heck  
**THE IMPACT OF THE AMERICAN OYSTER (*Crassostrea virginica*) ON SEAGRASS GROWTH RATES**
- #29 ► Baggett\*, Lesley Porter, K.L. Heck Jr., A.R. Armitage, T.A. Frankovich, and J.W. Fourqurean  
**THE EFFECTS OF NUTRIENT ENRICHMENT ON THE SEAGRASS *Thalassia testudinum* AND ITS ASSOCIATED EPIPHYTE GRAZERS IN FLORIDA BAY, FLORIDA, USA**

- #30 ▶ Johnson\*, David Samuel, K. Galván, and J.W. Fleeger  
**IS YOUR TOP-DOWN OR YOUR BOTTOM-UP? THE EFFECT OF WHOLE-CREEK NUTRIENT ADDITIONS AND PREDATOR EXCLUSIONS ON THE BENTHIC MACROINFAUNA IN A MASSACHUSETTS SALT MARSH**
- #31 ▶ Gelpi\*, Carey G., M. Caudill, R. Shaw, and K. R. Carman  
**A COMPARISON OF MEIOFAUNAL ABUNDANCES IN LOUISIANA MARSHES DOMINATED BY *Spartina alterniflora* AND *Avicennia germinans***
- #32 ▶ Artabane\*, Stephen J, M.H. Posey, and T.D. Alphin  
**LANDSCAPE APPROACHES TO INTERTIDAL OYSTER REEFS: HABITAT USE BY TRANSIENT FAUNA WITH RESPECT TO SOURCE**
- #33 ▶ Tuan\*, Yuhao, and I-Juinn Cheng  
**TEMPORAL FLUCTUATION BETWEEN TWO AMPHIPOD POPULATIONS ON THE FISHING NET: COMPETITION OR SUCCESSION?**
- #34 ▶ Zito\*, Adrianna, and M.J. Childress  
**PICK A SHELTER, ANY SHELTER: HABITAT PARTITIONING BY FLORIDA BAY BENTHIC INVERTEBRATES**
- #35 ▶ Ramey\*, Ann Patricia  
**SPATIAL-TEMPORAL PATTERNS AND REPRODUCTION OF A DOMINANT MACROFAUNAL SPECIES (*Polygordius* sp.) IN SANDY SEDIMENTS ON THE CONTINENTAL SHELF OF THE UNITED STATES**
- #36 ▶ Amatulli\*, Jenna M., and K.A. Reinsel  
**NEMATODES VERTICALLY MIGRATE IN RESPONSE TO FIDDLER CRAB FORAGING**
- #37 ▶ Palmer\*, Terry A., Paul A. Montagna, and Rick D. Kalke  
**IMPACT OF A NEW TIDAL PASS ON ESTUARINE BENTHIC MACROFAUNA IN CORPUS CHRISTI BAY, TEXAS – PROGRESS UPDATE.**
- #38 ▶ Blaine\*, Jennifer Margaret, C.A. Muhando, and J.M. Welch  
**A COMPARISON OF SEA CUCUMBER POPULATION DYNAMICS IN PROTECTED AND UNPROTECTED HABITATS NEAR CHUMBE ISLAND, ZANZIBAR, TANZANIA**
- #39 ▶ Bowie\*, Jacqueline J., P. Renaud, and W.G. Ambrose Jr.  
**A PHOTOGRAPHIC SURVEY OF ECHINODERMS IN THE BEAUFORT SEA: DENSITIES, BIOMASS AND REMINERALIZATION**

## **CONSERVATION AND RESTORATION**

- #40 Barber\*, Julie S., D. M. Chosid, and R. Glenn  
**USING GIS TO SELECT POTENTIAL SITES FOR THE INSTALLATION OF AN ARTIFICIAL REEF IN MASSACHUSETTS BAY**
- #41 Irlandi\*, Elizabeth A., and J. Zsiros  
**MORPHOMETRIC CHANGES AND TOLERANCE TO LOW SALINITY FOR AN EXOTIC GREEN ALGA (*Caulerpa brachypus*) AND CONSEQUENCES TO INVASION SUCCESS**
- #42 Brown, Katherine R., L.J. Walters\*, C.G. Glardon, P.E. Sacks, K.S. Beach, W.T. Stam, and J.L. Olsen  
**RETAIL, ON-LINE AND FIELD AVAILABILITY OF NATIVE VERSUS NON-NATIVE FORMS OF THE GREEN MACROALGA CAULERPA IN THE STATE OF FLORIDA**
- #43 ▶ Stiner\*, Jennifer Lorraine, M. L. Boudreaux, and L. J. Walters  
**POTENTIAL COMPETITOR AND PREDATOR SPECIES IMPACTING REEFS OF THE EASTERN OYSTER *Crassostrea virginica* IN THE INDIAN RIVER LAGOON SYSTEM, FLORIDA**
- #44 Bologna, Paul, Andrew Xavier, and M. Sinnema\*  
**ASSESSMENT OF EELGRASS (*Zostera marina*) RESTORATION IN BARNEGAT BAY, NEW JERSEY**

- #45 ▶ Glenn\*, Robert, and T. Pugh  
**INTEGRATING HABITAT INTO POPULATION ASSESSMENTS: A RANDOM STRATIFIED APPROACH TO ESTIMATING RELATIVE ABUNDANCE OF AMERICAN LOBSTER, *Homarus americanus***
- #46 Knick\*, Kathleen Elizabeth, R.D. Seitz, R.N. Lipcius, W.C. Long, and M.S. Seebo  
**BIVALVE POPULATIONS AND CARRYING CAPACITY OF COVES ENHANCED WITH JUVENILE BLUE CRABS**
- #47 ▶ Ridge\*, Matt, K. Walters, N. Harbachow, and L. Coen  
**PRELIMINARY COST-BENEFIT ANALYSES OF SMALL-SCALE INTERTIDAL OYSTER REEF CONSTRUCTION**
- #48 ▶ Murdoch\*, Thaddeus J., A. F. Glasspool, M. Outerbridge, S. Manuel, J. Ward, J. Gray, A. Nash, K. A. Coates, J. Pitt, J. W. Fourqurean, P. A. Barnes, S. R. Smith, and M. Vierros  
**SUSTAINED, CATASTROPHIC MORTALITY OF OFFSHORE SEAGRASS MEADOWS IN BERMUDA FISHERIES/EXPLOITED RESOURCES**
- #49 ▶ DuBeck\*, Guy Donald, and M. C. Curran  
**THE ABUNDANCE OF FLATFISHES IN COUNTRY CLUB CREEK, GEORGIA**
- #50 Crawford\*, Charles R., D.A. Warner, A.L. McMillen-Jackson, and T.M. Bert  
**THE EFFICIENCY OF A BYCATCH REDUCTION DEVICE USED IN SKIMMER TRAWLS IN THE FLORIDA SHRIMP FISHERY**
- #51 ▶ Syptkowski\*, Eben Peter, W.G. Ambrose, and C. Bohlen  
**BLOODWORM HARVESTING AND SEDIMENT DISTURBANCE**

### **LARVAL ECOLOGY AND RECRUITMENT**

- #52 ▶ Smith\*, Mitchell, J. Burt, P. Usseglio, J.D. Hogan, P.M. Chittaro, C. Mora, R. Fisher, and P.F. Sale  
**ECONAR: ECOLOGICAL CONNECTIONS AMONG REEFS-WHAT HAVE WE LEARNED ABOUT REEF FISH CONNECTIVITY**
- #53 Cox\*, Carrollyn, P.A. Mayor, K. Woody, and Z.M. Hillis-Starr  
**RECRUITMENT OF CARIBBEAN SPINY LOBSTER, *Panulirus argus*, AT BUCK ISLAND REEF NATIONAL MONUMENT, ST. CROIX, USVI**
- #54 ▶ Bowen\*, Jenna Elizabeth, and H.L. Hunt  
**ROLES OF SETTLEMENT AND POST-SETTLEMENT FACTORS IN DETERMINING PATTERNS OF RECRUITMENT OF CLAMS (*Mya arenaria* AND *Macoma balthica*) IN THE BAY OF FUNDY**
- #55 ▶ Boudreaux\*, Michelle Leah., L. J. Walters, and D. Rittschof  
**COMPETITION BETWEEN NATIVE OYSTERS AND INVASIVE BARNACLES: THE IMPACT OF SEDIMENT AND FLOW RATE ON SETTLEMENT**
- #56 ▶ Okereke\*, Evangelyn, L.M. Clough and W.G. Ambrose, Jr.  
**DISTRIBUTION OF MEROPLANKTON IN KOTZEBUE SOUND, ALASKA**

### **MARINE BIODIVERSITY AND ECOSYSTEM FUNCTIONING**

- #57 Lee\*, Karen T  
**CRAB POPULATIONS AT PLEASURE BEACH, WATERFORD, CONNECTICUT DURING JAPANESE SHORE CRAB INVASION**
- #58 ▶ Donnelly\*, Melinda J. and L. J. Walters  
**IS THE BRAZILIAN PEPPER *Schinus terebinthifolius* A THREAT TO THE MANGROVE ECOSYSTEMS IN FLORIDA?**
- #59 ▶ Korsman\*, Breanna Marie\*, J.E. Douglass, K.M. France, J.P. Richardson, and J.E. Duffy  
**IMPACTS OF TWO COMMON SHRIMP SPECIES ON GRAZER COMMUNITY STRUCTURE AND EPIPHYTE ACCUMULATION**

- #60 Richardson\*, John Paul, J.G. Douglass, K.E. France, A.C. Spivak, and J.E. Duffy  
**INTERACTIVE EFFECTS OF GRAZER DIVERSITY, PREDATORS, AND LIGHT ON A SEAGRASS COMMUNITY: A MESOCOSM EXPERIMENT**
- #61 ▶ Kertesz\*, Johanna S., K.E. Boyer, and J.F. Bruno  
**THE EFFECTS OF RESOURCE AVAILABILITY ON THE RELATIONSHIP BETWEEN MACROALGAL DIVERSITY AND PRODUCTIVITY**
- #62 ▶ McCarthy\*, Anna Barnhart, C.M. Drabek, R.B Whitlatch and RW. Osman  
**EFFECTS OF TEMPERATURE ON GROWTH RATES OF COLONIAL ASCIDIANS: A COMPARISON OF *Didemnum* sp. TO *Botryllus schlosseri* AND *Botrylloides violaceus***
- #63 ▶ McNally\*, Jonathan Patrick, S.T. Knoll, K.L., McKone, C.E. Tanner, and C.A. Caldwell  
**THE PHYSICAL AND BIOCHEMICAL EFFECTS OF THE WASTING DISEASE INFECTION IN *Zostera marina***
- #64 Trott\*, T.J., P.F. Larsen, B. Beal, D.A. Brooks, D.E. Campbell, C. Garside, J.T. Kelley, D.A. Phinney, J. Sowles, and R.L. Vadas  
**ECOSYSTEM MODELING IN COBSCOOK BAY, MAINE: A BOREAL, MACROTIDAL ESTUARY**
- #65 ▶ Cusson\*, Mathieu P., Archambault, and A. Aitken  
**CANADIAN ARCTIC MACROBENTHOS, FROM HISTORICAL AND PRESENT DATA**

### **MICROBIAL ECOLOGY**

- #66 ▶ Rypien\*, Krystal L., J.P. Andras, and C.D. Harvell  
**FUNGAL DISEASE IN CARIBBEAN GORGONIAN CORALS: PATHOGEN POPULATION GENETICS**
- #67 ▶ Montgomery\*, Timothy, A.C. Spivak, and E.A. Canuel  
**SEDIMENT ORGANIC MATTER COMPOSITION IN EELGRASS BEDS: GOODWIN'S ISLAND VA**
- #68 ▶ Calfee\*, Michael Worth, T.L. West, L. Clough, and R. Corbett  
**EFFECTS OF BOTTOM TRAWLING ON ESTUARINE BACTERIAL ACTIVITY IN SOUTH CREEK, NORTH CAROLINA.**
- #69 ▶ Tuorto\*, Steven John, and G.L. Taghon  
**THE EFFECTS OF COLONIZATION SPACE AND PROTOZOAN GRAZING ON THE ACTIVITY OF SEDIMENT-ATTACHED BACTERIA**

### **MOLECULAR ECOLOGY**

- #70 ▶ Dietl, Gregory P., C. Slaughter\* and M.A. McCartney  
**THE ROLE OF INTROGRESSION IN THE ADAPTIVE EVOLUTION OF SHELL MORPHOLOGY IN *Strombus alatus***
- #71 ▶ D'Ausilio\*, Cori Ann, and N.C. Folino-Rorem  
**MOLECULAR AND MORPHOLOGICAL ANALYSES OF THE EURYHALINE COLONIAL HYDROID *Cordylophora* spp.**
- #72 ▶ Eytan\*, Ron I.  
**THE ECOLOGICAL CONSEQUENCES OF PHYLOGEOGRAPHIC BREAKS**

### **PHYSICAL AND PHYSIOLOGICAL ECOLOGY**

- #73 ▶ Hays\*, Rebecca L., and William J. Ullman  
**GROUNDWATER SEEPAGE AND ASSOCIATED NUTRIENT FLUXES AT CAPE HENLOPEN, DELAWARE**
- #74 Johnson\*, L.E., and V. Frenette-Pilote  
**HUNG OUT TO DRY: THE USE OF PLASTER-FILLED CAPS AS A STANDARDIZED MEASURE OF EVAPORATION IN INTERTIDAL ENVIRONMENTS**

- #75 ▶ Johnson\*, Sarah, H. Deutsch\*, and L. Walters  
**RECRUITMENT OF RED, BLACK, AND WHITE MANGROVE SEEDS ON DISTURBED OYSTER REEFS IN THE INDIAN RIVER LAGOON, FL**
- #76 Sherman\*, Timothy D., J. Galihier, and M. Caldwell  
**ULTRASTRUCTURAL CHARACTERIZATION OF THE EARLY STAGES OF LABYRINTHULA-BASED INFECTION OF TURTLEGRASS (*Thalassia testudinum*) AND EELGRASS (*Zostera marina*)**
- #77 Bishop\*, Renée E., A. Diaz, and K.T. Lee  
**PHYSIOLOGICAL CHANGES IN *Carcinus maenas* AS A RESULT OF MATERNAL INVESTMENT**
- #78 Betournay\*, Scott Harvin, W.G. Ambrose, Jr., M. Carroll, L.M. Clough, G.R. Lopez, and M-Y. Sun  
**THE DIGESTIBILITY OF PHYTOPLANKTON AND ICE ALGAE BY ALASKAN MARINE BENTHIC ORGANISMS**
- #79 Voltzow\*, Janice  
**FOLLOWING THE FLOW THROUGH THE GASTROPOD MANTLE CAVITY**
- #80 ▶ Richardson\*, Meredith, K. Meltzer, M. Reynolds, T. Reynolds, L.M. Clough, and W.G. Ambrose, Jr.  
**DO ARCTIC *Macoma balthica* ONLY GROW IN THE SUMMER?**

### **POLLUTION, DISTURBANCE AND ENVIRONMENTAL STRESS**

- #81 Hale\*, Stephen Smith, and H.W. Buffum  
**AN INDEX OF BENTHIC CONDITION FOR THE COASTAL GULF OF MAINE**
- #82 ▶ Sloan\*, Nancy, E. Goodfriend, E. Irlandi  
**PRE- AND POST-HURRICANE ASSEMBLAGES OF BENTHIC INFAUNA AND SEDIMENT CHARACTERISTICS IN TIDAL CREEKS OF THE INDIAN RIVER LAGOON, FL**
- #83 ▶ Ueda\*, Nobuo, and A.A. Boettcher  
**HSP70 ISOFORM EXPRESSIONS IN *Crassostrea virginica*: USE AS A BIOMARKER FOR ENVIRONMENTAL STRESS RESPONSES**
- #84 Bureekul, Sujaree, S. Chavanich\*, and E. Khan  
**THE ACCUMULATION AND IMPACT OF CHROMIUM ON MARINE BENTHIC ORGANISMS IN SAMUTPRAKARN PROVINCE, THAILAND**
- #85 ▶ McCloskey\*, Bryan J., and P. Hallock  
**INITIAL STUDIES OF EFFECTS OF AN ARSENIC-ENRICHED SHALLOW- WATER HYDROTHERMAL SYSTEM ON BENTHIC FORAMINIFERAL COMMUNITIES**
- #86 ▶ Rountos\*, Konstantine John, M.L. Judge, I. Visviki, J.D. Mahony, C. O'Mara, and T. Loor  
**CHRONIC TOXICITY OF ARSENATE ON LIFE HISTORY PARAMETERS OF *Leptocheirus plumulosus***
- #87 ▶ Knoll\*, Sarah T., K.L. McKone, J.P. McNally, K.A. Fritz, and C.E. Tanner  
**THE EFFECTS OF ENVIRONMENTAL FACTORS (NUTRIENTS, LIGHT, SALINITY) ON CHEMICAL DEFENSE IN *Zostera marina* (EELGRASS)**
- #88 ▶ Leba\*, Heather Ann, G. Moeser, and E. Carrington  
**THE UPS AND DOWNS OF THREAD PRODUCTION: RESPONSE OF BLUE MUSSELS TO FLOW**
- #89 ▶ Cataldo\*, Marianne, and E. Iyengar  
**EFFECTS OF ABIOTIC INTERTIDAL STRESSES ON SOLITARY AND COLONIAL INVERTEBRATES**
- #90 Davidson\*, Ian, M. Sytsma and G. Ruiz  
**ASSESSING HULL FOULING AS A VECTOR OF INVASIVE SPECIES IN THE LOWER COLUMBIA RIVER, OREGON/WASHINGTON**
- #91 ▶ Colosimo\*, Sara L., M.H. Posey, and T.D. Alphin  
**THE EFFECTS OF NUTRIENTS ON THE PREVALENCE AND INTENSITY OF *Perkinsus marinus* INFECTION IN OYSTERS (*Crassostrea virginica*) FROM SOUTHEASTERN NORTH CAROLINA TIDAL CREEKS**

## **PREDATION AND HERBIVORY**

- #92 McClintock\*, James. B., M.O. Amsler, C.D. Amsler, K.J. Southworth, C. Petrie, and B.J. Baker  
**BIOCHEMICAL COMPOSITION, ENERGY CONTENT AND CHEMICAL ANTIFEEDANT AND ANTIFOULANT DEFENSES OF A COLONIAL ANTARCTIC ASCIDIAN**
- #93 Reinsel\*, Kathleen A., E.J. Claiborne, C.L. Meyerkord, S.J. O'Donnell, and E.M. Claytor  
**FEEDING RESPONSE OF THE SAND FIDDLER CRAB *Uca pugilator* TO THREE HEXOSE SUGARS: EVIDENCE FOR CHEMORECEPTOR SPECIFICITY**
- #94 ► Whalen\*, Kristen, and M.E. Hahn  
**DETOXIFICATION ENZYMES AND TRANSPORTERS IN MARINE MOLLUSCS: AN EVOLUTIONARY ANSWER TO GORGONIAN CHEMICAL DEFENSES?**
- #95 Wall\*, Jessica Wren, Z.T. Long, J.F. Bruno, J.E. Duffy, and M.I. O'Conner  
**THE ROLE OF OMNIVORY ON MARINE ECOSYSTEM FOOD WEBS**
- #96 Alexander\*, Richard R., J. O'Reilly, and J. Morson  
**SHELL REGENERATION RATES IN NOTCHED APERTURAL LIPS OF SELECTED, CAPTIVE, INTERTIDAL GASTROPODS FROM NEW JERSEY**
- #97 ► Bryson\*, Elizabeth Stuart, and G.C. Trussell  
**NON-ADDITIVE EFFECTS OF TWO INVASIVE CRAB PREDATORS AND A NATIVE PREDATORY WHELK ON NATIVE BLUE MUSSELS**
- #98 ► Teck\*, Sarah J.  
**THE EFFECTS OF A NEW INVASIVE CRAB, *Hemigrapsus sanguineus*, ON A NATIVE SNAIL, *Littorina saxatilis*, IN NORTHERN NEW ENGLAND**
- #99 ► Talmage\*, Stephanie C., and R.C. Carpenter  
**EFFECTS OF PRODUCTIVITY POTENTIAL, HYDRODYNAMIC STRESS, AND HERBIVORY ON RESOURCE ALLOCATION BY SUBTIDAL MACROALGAE**
- #100 ► Smith\*, Melissa Dawn, J. H. Grabowski, and P. O. Yund  
**HABITAT EFFECTS ON GROWTH RATE AND ONTOGENETIC DIET SHIFTS IN JUVENILE GOOSEFISH, *Lophius americanus***

## **REEF ECOLOGY**

- #101 ► McMurray\*, Steven Edward, J. J. Leichter, and J. R. Pawlik  
**BLEACHING OF THE GIANT BARREL SPONGE, *Xestospongia muta*, IN THE FLORIDA KEYS**
- #102 ► Henkel\*, Timothy P., and J. R. Pawlik  
**USING A SPONGE-BRITTLESTAR ASSOCIATION TO EXAMINE FACILITATIVE INTERACTIONS ON CORAL REEFS**
- #103 ► Cowart\*, Jonathan Daniel and J. R. Pawlik  
**IS THERE A TRADE-OFF BETWEEN REPRODUCTION AND CHEMICAL DEFENSE AMONG FLORIDA REEF SPONGES?**
- #104 ► Moore\*, Eliza C., and R. C. Carpenter  
**MORPHOLOGY AND GROWTH OF *Porites compressa* IN TWO FLOW REGIMES**
- #105 Grottoli\*, Andr ea Genevi ve, J. F. Adkins, and K. Moots  
**NATURAL VARIABILITY IN SKELETAL GROWTH RATE, STABLE ISOTOPES, AND SR/CA COMPOSITION IN TWO SPECIES OF PACIFIC SCLEROSPONGES (*Acanthocheatetes wellsi* AND *Astroclera welleyana*)**
- #106 Beach\*, Kevin S., L. J. Walters, I. B. Kuffner, V. J. Paul, M. A. Becerro, and R. Ritson-Williams  
**BEYOND ALGAL OCCUPATION ON CORAL REEFS: ARE THERE SHORT TERM IMPACTS OF CHEMICALLY-DEFENDED SEAWEED ON ZOOXANTHELLAE PHOTOSYNTHESIS IN ADULT *Porites astreoides*?**

- #107 ▶ Andras\*, Jason, K L Rypien, and C D Harvell  
**POPULATION GENETICS OF THE *Gorgonia ventalina*/*Aspergillus sydowii* PATHOSYSTEM**
- #108 Williams\*, Dana E., and M.W. Miller  
**RECOVERY FROM APPARENT WHITE POX DISEASE OUTBREAK**
- #109 Olson\*, Julie B., D.J. Gochfeld, and M. Slattery  
***APLYSINA* RED BAND DISEASE: A NEW SPONGE DISEASE IN THE CARIBBEAN**
- #110 ▶ Lutes\*, Darcy Lynn, S.L. Slade, A.M. Szmant, and T.R. Matthews  
**EVIDENCE FOR AN INDIRECT LINK BETWEEN THE FLORIDA KEYS SPINY LOBSTER FISHERY AND THE DECLINE OF *ACROPORA PALMATA***
- #111 ▶ McLaughlin\*, Patrick Joseph, G.L. Sataloff, and B.S. Baldwin  
**DEMOGRAPHY AND MICROHABITAT UTILIZATION OF A JUVENILE POPULATION OF NASSAU GROUPE IN SAN SALVADOR, BAHAMAS**
- #112 Patterson\*, Mark Robert, and L.W. Carpenter  
**UNEXPECTED GRADIENTS IN DISSOLVED OXYGEN CONCENTRATION IN A “WELL-MIXED” CORAL REEF ENVIRONMENT**
- #113 Walters\*, Linda Jane, C.A. Downs, I.B. Kuffner, M.A. Becerro, V.J. Paul, R. Ritson-Williams, and K.S. Beach  
**CELLULAR-LEVEL IMPACTS OF MACROALGAE AND CYANOBACTERIA ON COMPETENT LARVAE OF THE HARD CORAL *Porites astreoides***
- #114 ▶ Sataloff\*, Gabriel Lee, P.J. McLaughlin, and B.S. Baldwin  
**POPULATION STRUCTURE AND GRAZING IMPACT OF AN IMPORTANT REEF HERBIVORE, *Diadema antillarum*, IN SAN SALVADOR, BAHAMAS**
- #115 ▶ Fiore\*, Cara L., and P.C. Jutte  
**CHARACTERIZATION OF MACROFAUNAL ASSEMBLAGES ASSOCIATED WITH SPONGES OF THE SOUTHEASTERN UNITED STATES**

## **REPRODUCTIVE ECOLOGY**

- #116 ▶ Kate\*, Sheehan, C. Partridge, J. Hemming, T. Sherman, and A. Boettcher  
**ENVIRONMENTAL ESTROGEN EFFECTS ON A MALE BROODER, THE GULF PIPEFISH: IMPLICATIONS FOR REPRODUCTIVE SUCCESS**
- #117 ▶ Wang\*, Duane, and C. Riginos  
**PATTERNS OF GENE DUPLICATION AND NATURAL SELECTION IN A MUSSEL GAMETE RECOGNITION GENE**
- #118 ▶ Blake\*, Elizabeth A., and C.L. Van Dover  
**SPERMIOGENESIS AND SPERM ULTRASTRUCTURE OF A DEEP-SEA HYDROTHERMAL VENT POLYCHAETE, *Amathys lutzi* (AMPHARETIDAE)**