

## LITERATURE CITED

Ayling AL (1981) The role of biological disturbance in temperate subtidal encrusting communities. *Ecology* 62:830-847

Ayling AL (1983) Growth and regeneration rates in thinly encrusting Demospongiae from temperate waters. *Biol Bull Mar Biol Lab, Woods Hole* 165:343-352

Bak RPM (1983) Neoplasia, regeneration and growth in the reef-building coral *Acropora palmata*. *Mar Biol* 77:221-227

Bakus GJ (1964) The effects of fish-grazing on invertebrates evolution in shallow tropical waters. *Allan Hancock Found Publ* 27:p 29

Bakus GJ (1966) Some relationships of fishes to benthic organisms on coral reefs. *Nature, Lond* 210:280-284

Bazzaz FA, Chiariello NR, Coley PD, Pitelka LF (1987) Allocating resources to reproduction and defense. *Bioscience* 37:58

Bell JJ (2002) Regeneration rates of a sublittoral demosponge. *J Mar Biol Ass UK* 82:169-170

Chanas B, Pawlik JR (1995) Defenses of Caribbean sponges against predatory reef fish. II. Spicules, tissue toughness, and nutritional quality. *Mar Ecol Prog Ser* 127:195-211

Chanas B, Pawlik JR (1997) Variability in the chemical defense of the Caribbean reef sponge *Xestospongia muta*. *Proc 8<sup>th</sup> Int Coral Reef Sym* 2: 1363-1368

Chanas B, Pawlik JR, Lindel T, Fenical W (1996) Chemical defense of the Caribbean sponge *Agelas clathrodes* (Schmidt). *J Exp Mar Biol Ecol* 208:185-196

Coley PD, Bryant JP, Chapin FS (1985) Resource availability and plant antiherbivore defense. *Science* 230:895-899

Dayton PK, Robilliard GA, Paine RT, Dayton LB (1974) Biological accommodation in the benthic community at McMurdo Sound, Antarctica. *Ecol Monogr* 44:105-128

Dethier MN, Steneck RS (2001) Growth and persistence of diverse intertidal crusts: survival of the slow in a fast-paced world. *Mar Ecol Prog Ser* 223:89-100

Duffy JE, Paul VJ (1992) Prey nutritional quality and the effectiveness of chemical defenses against tropical reef fishes. *Oecologia* 90:333-339

- Dunlap M, Pawlik JR (1996) Video-monitored predation by Caribbean reef fish on an array of reef and mangrove sponges. *Mar Biol* 126:117-123
- Fauchald K, Jumars PA (1979) The diet of worms: a study of polychaete feeding guilds. *Oceanogr Mar Biol A Rev* 17:193-282
- Faulkner DJ (1984) Marine natural products: metabolites of marine invertebrates. *Nat Prod Rep* 1:551-598
- Faulkner DJ (1994) Marine natural products. *Nat Prod Rep* 11:355-394
- Fong P, Lirman D (1995) Hurricanes cause population expansion of the branching coral *Acropora palmata* (Scleractinia): wound healing and growth patterns of asexual recruits. *PSZNI Mar Ecol* 16(4):317-335
- Harms DA, Mattson WJ (1992) The dilemma of plants: to grow or defend. *Quart Rev Biol* 67:283-335
- Hay ME, Fenical W (1988) Marine plant-herbivore interactions: the ecology of chemical defense. *Ann Rev Ecol Syst* 19:111-145
- Hay ME, Steinberg PD (1992) The chemical ecology of plant-herbivore interactions in marine vs terrestrial communities. In Rosenthal G, Berenbaum (eds) *Herbivores: their interactions with secondary plant metabolites: evolutionary and ecological processes*. Academic Press, San Diego 2:371
- Hay ME (1991) Fish-seaweed interactions of coral reefs: effects of herbivorous fishes and adaptations of their prey. In: Sale PF (ed) *The ecology of fishes on coral reefs*. Academic Press, San Diego p 96-119
- Hodgson AN (1982) Studies on wound healing, and an estimation of the rate of regeneration, of the siphon of *Scrobicularia plana* (da Costa). *J Exp Mar Biol Ecol* 62:117-128
- Hoppe WF (1988) Growth, regeneration and predation in three species of large coral reef sponges. *Mar Ecol Prog Ser* 50:117-125
- Humann P (1992) Phylum Porifera. In: DeLoach N (ed) *Reef creature identification*. New World Publications, Jacksonville p 14-61
- Huston MA (1985) Patterns of species diversity on coral reefs. *A Rev Ecol Syst* 16:149-177
- Jackson JBC, Palumbi SR (1979) Regeneration and partial predation in cryptic coral reef environments: preliminary experiments on sponges and ectoprocts. In: Levi C, Boury-Esnault N (eds) *Biologie des spongiaires*, Vol 291. Coll Int du CNRS, Paris, p 303-308

- McClintock JB (1987) Investigation of the relationship between invertebrate predation and biochemical composition, energy content, spicule armament and toxicity of benthic sponges at McMurdo Sound, Antarctica. *Mar Biol* 94:479-487
- McClintock JB (1997) Ichthyodeterrent properties of lipophilic extracts from Bermudian sponges. *J Chem Ecol* 23:1607-1620
- McClintock JB, Baker BJ (eds) (2001) *Marine Chemical Ecology*. CRC Press, Boca Raton, Florida 610pp
- Meszaros A, Bigger C (1999) Qualitative and quantitative study of wound healing processes in the coelenterate, *Plexaurella fusifera*: spatial, temporal, and environmental (light attenuation) influences. *J Inv Path* 73:321-331
- Meylan A (1988) Spongivory in hawksbill turtles: a diet of glass. *Science* 239:393-395
- Neilson B (unpublished) *Niphates digitalis* project. In: Projects and Data form Brandon Neilson
- Paul VJ (1992) Chemical defenses of benthic marine invertebrates. In: Paul V (ed) *Ecological roles of marine natural products*. Comstock Publishing, Ithica p164-188
- Pawlik JR (1983) A sponge-eating worm from Bermuda: *Branchiosyllis oculata* (polychaeta, Syllidae). *PSZNI Mar Ecol* 4:65-79
- Pawlik JR (1993) Marine invertebrate chemical defenses. *Chem Rev* 93:1911-1922
- Pawlik JR (1997) Fish predation on Caribbean reef sponges: An emerging perspective of chemical defenses. *Proc 8<sup>th</sup> Int Coral Reef Sym* 2:1255-1258
- Pawlik JR (1998) Coral reef sponges: Do predatory fish affect their distribution? *Limnol Oceanogr* 43 (6):1396-1399
- Pawlik JR, Chanas B, Toonen RJ, Fenical W (1995) Defenses of Caribbean sponges against predatory reef fish. I. Chemical deterrency. *Mar Ecol Prog Ser* 127:183-194
- Pawlik JR, McFall G, Zea S (2002) Does the odor from sponges of the genus *Ircinia* protect them from fish predators? *J Chem Ecol* 28:1103-1115
- Pennings SC, Pablo SR, Paul VJ, Duffy JE (1994) Effects of sponge secondary metabolites in different diets on feeding by three groups of consumers. *J Exp Mar Biol Ecol* 119:99-109
- Randall JE, Hartman WD (1968) Sponge feeding fishes of the West-Indies. *Mar Biol* 1:216-225

- Reiswig HM (1973) Population dynamics of three Jamaican Demospongiae. *Bull Mar Sci* 23:191-226
- Reiswig HM (1974) Water transport, respiration and energetics of three tropical marine sponges. *J Exp Mar Biol Ecol* 14:231-249
- Sara M, Vacelet J (1973) Ecologie des Demosponges. In: Grasse PP (ed) *Traite de zoologie*, Vol 3. Masson et Cie, Paris, p 462-576
- Smith LC, Hildemann WH (1986) Allograft rejection, autograft fusion and inflammatory responses to injury in *Callyspongia diffusa* (Proifera; Demospongia). *Proc R Soc Lond B* 226:445-464
- Sousa WP (1984) The role of disturbance in natural communities. *Annu Rev Ecol Syst* 15:353-359
- Szulgit GK, Shadwick RE (1998) Novel non-cellular adhesion and tissue grafting in the mutable collagenous tissue of the sea cucumber *Parastichopus parvimensis*. *J Exp Biol* 201:3003-3013
- Uriz MJ, Turon X, Becerro MA, Galera J, Lozano J (1995) Patterns of resource allocation to somatic, defensive, and reproductive functions in the Mediterranean encrusting sponge *Crambe crambe* (Demospongia, Poecilosclerida). *Mar Ecol Prog Ser* 124:159-170
- Uriz MJ, Turon X, Becerro MA, Galera J (1996) Feeding deterrence in sponges. The role of toxicity, physical defenses, energetic contents, and life-history stage. *J Exp Mar Biol Ecol* 205:187-204
- Van Alstyne KL, Dethier MN, Duggins DO (2001) Spatial patterns in macroalgal chemical defenses. In McClintock JB, Baker BJ (eds) *Marine Chemical Ecology*. CRC Press, Boca Raton, Florida pp301-324
- Vogel S (1974) Current-induced flow through the sponge, *Halichondria*. *Biol Bull* 147:443-456
- Vogel S (1977) Current-induced flow through living sponges in nature. *Proc Natl Acad Sci USA* 74:2069-2071
- Waddell B, Pawlik JR (2000a) Defenses of Caribbean sponges against invertebrate predators. I. Assays with hermit crabs. *Mar Ecol Prog Ser* 195:125-132
- Waddell B, Pawlik JR (2000b) Defenses of Caribbean sponges against invertebrate predators. II. Assays with sea stars. *Mar Ecol Prog Ser* 195:133-144

Wahle CM (1983) Regeneration of injuries among Jamaican gorgonians: the roles of colony physiology and environment. Biol Bull Mar Biol Lab, Woods Hole 165:778-790

Wilson DM, Puyana M, Fenical W, Pawlik JR (1999) Chemical defense of the Caribbean reef sponge *Axinella corrugata* against predatory fishes. J Chem Ecol 25:2811-2823