

## 2005 REFEREED PUBLICATIONS

1. Addison, J. A., and M. W. Hart. 2005. Spawning, copulation and inbreeding coefficients in marine invertebrates. *Proceedings of the Royal Society: Biology Letters* 1:450-453.
2. Bates C.R., Saunders, G.W., Chopin, T. 2005. An assessment of two taxonomic distinctness indices for detecting seaweed assemblage responses to environmental stress. *Botanica Marina* 48(3):231-243.
3. Bates, W.R. 2005. Environmental factors affecting the reproduction and development in ascidian larvae. *Canadian Journal of Zoology* 83:51-61.
4. Bernatis JL, McGaw IJ. 2006. Behavioral modifications of the dungeness crab during feeding and digestion in hypoxia. *Integrative and Comparative Biology* 45 (6): 1110-1110.
5. Bourne, G. B., B. A. Bawel, M. S. Newel, and P. S. Spackman. 2005. Locomotion in the moon snail, *Euspira lewisii* (Mollusca : Gastropoda). *Faseb Journal* 19:A1653-A1653.
6. Burns, K.C. 2005. Abundance-age-area relationships in an insular plant community. *Folia Geobotanica* 40:331-340.
7. Burns, K.C. 2005. A multi-scale test for dispersal filters in an island plant community. *Ecography* 28:552-560.
8. Burns, K.C. 2005. Does mimicry occur in fleshy-fruits? *Evolutionary Ecology Research* 7:1067-1076.
9. Burns, K.C. 2005. Effects of bi-colored displays on avian fruit color preferences in a color polymorphic plant. *Journal of the Torrey Botanical Society* 132:505-509.
10. Burns, K.C. 2005. Is there limiting similarity in the phenology of fleshy-fruits? *Journal of Vegetation Science* 16:617-624.
11. Cameron, C.B. 2005. A phylogeny of the hemichordates based on morphological characters. *Canadian Journal of Zoology* 83:196-215.
12. Curtis, D.L., McGaw, I.J. 2005. Feeding and digestion in response to low salinity in the Dungeness crab, *Cancer magister*. *Integrative and Comparative Biology* 45 (6): 983-983.
13. Dalziel, B.; Boulding, E.G. 2005. Water-boune cues from shell-crushing predator induce a more massive shell in experimental populations of an intertidal snail. *Journal of Experimental Biology and Ecology* 317:25-35.
14. Druehl, L.D.; Collins, J.D.; Lane, C.E.; Saunders, G.W. 2005. A critique of intergeneric kelp hybridization protocol, employing Pacific Laminariales (Paeophyceae). *Journal of Phycology* 41:250-262.
15. Dudas, S.E.; McGaw, I.J.; Dower, J.F. 2005. Selective crab predation on native an introduced bivalves in British Columbia. *Journal of Experimental Marine Biology and Ecology* 325:8-17.
16. Farrell, D.L. 2005. Competitive equivalence maintains persistant inter-clonal boundaries. *Oecologia* 142:184-190.
17. Fudge, D.S., Levy, N., Chiu, S. & Gosline, J.M. (2005) Composition, morphology and mechanics of hagfish slime, *J. Exp. Biol.*, 208, 4613-4625.

18. Garza, C. 2005. Prey productivity effects on the impact of predators of the mussel, *Mytilus californianus* (Conrad). *Journal of Experimental Marine Biology and Ecology* 324:76-88.
19. Grey, M.; Boulding, E.G.; Brookfield, M. 2005. Shape differences among boreholes drilled by three species of naticid gastropods. *Journal of Molluscan Studies* 71:253-256.
20. Helmuth, B., Kingsolver, J.G., Carrington, E. 2005. Biophysics, physiological ecology, and climate change: Does Mechanism Matter? In: *Annual Review of Physiology* Vol. 67:177-201.
21. Jelinski, D. E. 2005. There is no Mother Nature - There is no balance of nature: Culture, ecology and conservation. *Human Ecology* 33:271-288.
22. Kennedy, C.J. and A.P. Farrell. (2005). Ion homeostasis and interrenal stress responses in juvenile Pacific herring, *Clupea pallasii*, exposed to the water-soluble fraction of crude oil. *Journal of Experimental Marine Biology and Ecology* 323:43-56.
23. Landers, S.C.; Leander, B.S. 2005. Comparative surface morphology of marine coelomic gregarine (Ampicomplexa, Urosporidae): *Pterospora floridiensis* and *Pterospora schizosoma*. *Journal of Eukaryotic Microbiology* 52:23-30. (Highlighted on Cover).
24. Lane, C.E.; Saunders, G.W. 2005. Molecular investigation reveals a cryptic habitat of kelp (Laminariales, Paeophyceae) gametophytes. *Botanica Marina* 48:426-436.
25. Levitan, D.R. 2005. The distribution of male and female reproductive success in a broadcast spawning marine invertebrate. *Integrative and Comparative Biology* 45: 848-855.
26. Levitan, D.R. 2005. Sex specific spawning behavior and its consequences in an external fertilizer. *American Naturalist* 165:682-694.
27. Leys, S.P. and Eerkes-Medrano, D. I. 2005. Gastrulation in calcareous sponges: in search of Haeckel's *Gastraea*. *Integrative and Comparative Biology* 45(2):342-351 .
28. Martel, Andre, Lauzon-Guay, Jean-Sebastien. 2005. Distribution and density of glochidia of the freshwater mussel *Anodonta kennerlyi* on fish hosts in lakes of temperate rainforest of Vancouver Island. *Canadian Journal of Zoology* 83:419-431.
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32. McGaw, I.J. 2005. The decapod crustacean cardiovascular system: A case that is neither open nor closed. *Microscopy and Microanalysis* 11:18-36.

33. Nishizaki, M., Ackerman, J.D. 2005. A secondary chemical cue facilitates juvenile-adult associations in red sea urchins (*Strongylocentrotus franciscanus*). *Limnology and Oceanography* 50:354-362.
34. Orr, M., Zimmer, M., Jelinski, D.E., Mews, M. 2005. Wrack deposition and decomposition on different beach types: Spatial and temporal variation in the pattern of subsidy, Barkley Sound, British Columbia, Canada. *Ecology* 86:1496-1507.
35. Sato, M; Jensen, G.C. 2005. Shell selection by the hermit crab, *Pagurus hartae* (McLaughlin & Jensen, 1996) (Decapoda, Anomura). *Crustaceana* 78:755-760. PDF
36. Saunders, G.W. 2005. Applying DNA barcoding to red macroalgae: a preliminary appraisal hold promise for future applications. *Phil. Trans. R. Soc. B.* 360:1879-1888.
37. Saunders, G.W. & Lehmkuhl, K.V. 2005. Molecular divergence and morphological diversity among four cryptic species of *Plocamium* (Plocamiales, Florideophyceae) in northern Europe. *Eur. J. Phycol.* 40: 293-312.
38. Scrosati, R. 2005. Review of studies on biomass-density relationships (including self-thinning lines) in seaweeds: main contributions and persisting misconceptions. *Phycological Research* 53:224-233.
39. Sussmann, A.V.; DeWreede, R.E. 2005. Survival of the endophytic sporophyte, *Acrosiphonia* (Codiolales, Chlorophyta). *J. Mar. Biol. Assoc. U.K.* 85:49-58.
40. Sussmann, A.V.; Scrosati, R.; DeWreede, R.E. 2005. Seasonal synchrony of a green algal endophyte, *Acrisiphonia* (Codiolales), with its red algal hosts, *Mastocarpus* and *Mazzaella* (Gigartinales). *Phycologia* 44:129-132.
41. Todgham, A.E., Schulte, P.M. and Iwama, G.K. (2005) . Cross-tolerance in the tidepool sculpin: the role of heat shock proteins. *Physiological and Biochemical Zoology.* 78(2):133-144.
42. Tresguerres, M.; Katoh, F.; Fenton, H.; Jasinka, E.; Goss, G.G. 2005. Regulation of branchial V-H<sup>+</sup> -ATPase, Na<sup>+</sup>/ K<sup>+</sup> -ATPase and NHE2 in response to acid and base infusions in the Pacific spiny dogfish (*Squalus acanthias*). *Journal of Experimental Biology* 208:345-354. PDF
43. Wood, C.M.; Kajimura, M.; Mommsen, T.P.; Walsh, P.J. 2005. Alkaline tide and nitrogen conservation after feeding in the elasmobranch *Squalus acanthius*. *Journal of Experimental Biology* 208:2693-2705.
44. Yasué, Maï. 2005. The effects of human presence, flock size and prey density on shorebird foraging rates. *Journal of Ethology* 23:199-204. PDF
45. Zeng, L. Y., and B. J. Swalla. 2005. Molecular phylogeny of the protochordates: chordate evolution. *Canadian Journal of Zoology-Revue Canadienne De Zoologie* 83:24-33.
46. Zigler, K.S.; McCartney, M.A.; Levitan, D.R.; Lessios, H.A. 2005. Sea urchin bindin divergence predicts gamete compatibility. *Evolution* 59:2399-2404.

## **DISSERTATIONS AND THESES**

1. Cassone, B. 2005. Genetic structure and phylogeography of *Pachygrapsus crassipes* along the northeastern and western Pacific coasts. University of Guelph, M.SC. Thesis.
2. Dudas, Sarah E. 2005. Invasion dynamics of a non-indigenous bivalve, *Nuttallia obscurata*, (Reeve 1857), in the northeast Pacific. University of Victoria, P.h.D. Thesis.
3. N. Levy, MSc 2005. Hagfish slime: fine tuning the mechanical properties of a new high performance fibre. June 25, 2005 defense.
4. Stewart, E. Anne. 2005. Views on sea otters in Nuu-Chah-Nulth territories. MA thesis, Royal Roads University, Victoria, B.C
5. Zadravnik, T. 2005. Mate preference in the marine snail *Littorina subrotundata*. University of Guelph, M.SC. Thesis.

## **OTHER PUBLICATIONS**

1. Levitan, D.R. and T.M. McGovern. 2005. The Allee effect in the Sea. Pages 47-57 in (E.A. Norse and L.B. Crowder eds) *Marine Conservation Biology: The Science of Maintaining the Sea's Biodiversity*. Island Press
2. McGaw, I.J.; Reiber, C.L. 2005. The functional anatomy of the circulatory system. In: *The blue crab Callinectes sapidus*. V. Kennedy and L.E. Cronin (eds). Maryland Sea Grant.
3. Palmer, A.R. 2005. Antisymmetry. p. 359-397 (+1 color plate). In: *Variation* (B. Hallgrímsson & B.K. Hall, eds.) Elsevier. PDF