

8 References

- Abraham, E.R. (1998). The generation of plankton patchiness by turbulent stirring. *Nature* 391: 577-580.
- Ban, S.; Burns, C.; Castel, J.; Chaudron, Y.; Christou, E.; Escribano, R.; Umani, S.F.; Gasparini, S.; Ruiz, F.G.; Hoffmeyer, M.; Ianora, A.; Kang, H.-K.; Laabir, M.; Lacoste, A.; Miralto, A.; Ning, X.; Poulet, S.; Rodriguez, V.; Runge, J.; J., S.; Starr, M.; Uye, S.; Wang, Y. (1997). The paradox of diatom-copepod interactions. *Marine Ecology Progress Series* 157: 287-293.
- Broekhuizen, N. (1999). Simulating motile algae using a mixed Eulerian-Lagrangian approach: does motility promote dinoflagellate persistence or co-existence with diatoms? *Journal of Plankton Research* 21(7): 1191-1216.
- Broekhuizen, N.; Zeldis, J.; Oldman, J. (2003). Sub-grid-scale differences between individuals influence simulated phytoplankton production and biomass in a shelf-sea system. *Marine Ecology Progress Series* 252: 61-76.
- Broekhuizen, N.; Zeldis, J.; Stephens, S.A.; Oldman, J.W.; Ross, A.H.; Ren, J.; James, M.R. (2002). Factors related to the sustainability of shellfish aquaculture operations in the Firth of Thames: a preliminary analysis. *No.* EVW02243. 106 p.
- Chang, F.H.; Zeldis, J.; Gall, M.; Hall, J.H. (in review). Seasonal and spatial variation of phytoplankton assemblages, biomass and cell size from spring to summer across the New Zealand northeastern continental. *Journal of Plankton Research*.
- Corkett, C.J.; MacClaren, I.A. (1979). The biology of *Pseudocalanus*. *Advances in Marine Biology* 15: 2-231.
- Davenport, J.; Smith, R.J.J.; Packer, M. (2000). Mussels *Mytilus edulis*: significant consumers and destroyers of mesozooplankton. *Marine Ecology Progress Series* 198: 131-137.
- Eiane, K.; Aksnes, D.L.; Ohman, M.D.; Wood, S.N.; Martinussen, M.B. (2002). Stage-specific mortality of *Calanus* spp. under different predation regimes. *Limnology and Oceanography* 47(3): 636-645.
- Enríquez, S.; Duarte, C.M.; Sand-Jensen, K. (1993). Patterns in decomposition rates among photosynthetic organisms: the importance of detritus C:N:P content. *Oecologia* 94: 457-471.

- Fielder, D.S.; Allan, G.L.; P.M. Pankhurst (in review). The combined effects of salinity, temperature and photoperiod on growth and survival of Australian snapper, *Pagrus auratus* larvae in commercial-scale tanks. *Journal of the World Aquaculture Society*.
- Francis, M.P. (1993). Does water temperature determine year class strength in New Zealand snapper (*Pagrus auratus*, Sparidae)? *Fisheries Oceanography* 2(2): 65-72.
- Giles, H. (2001). Modelling Denitrification in Continental Shelf Sediments. M.Sc. University of Waikato, Hamilton. 110 p.
- Hawkins, A.J.S.; James, M.R.; Hickman, R.W.; Hatton, S.; Weatherhead, M. (1999). Modelling of suspension-feeding and growth in the green-lipped mussel *Perna canaliculus* exposed to natural and experimental variations of seston availability in the Marlborough Sounds, New Zealand. *Marine Ecology Progress Series* 191: 217-232.
- Hirst, A.J.; Roff, J.C.; Lampitt, R.S. (2003). A synthesis of growth rates in marine epipelagic invertebrate zooplankton. *Advances in Marine Biology* 44: 1-142.
- James, M.R.; Weatherhead, M.A.; Ross, A.H. (2001). Size-specific clearance, excretion, and respiration rates, and phytoplankton selectivity for the mussel *Perna canaliculus* at low levels of natural food. *New Zealand Journal of Marine and Freshwater Research* 35(1): 73-86.
- Kamatani, A. (1982). Dissolution rates of silica from diatoms decomposing at various temperatures. *Marine Biology* 68(1): 91-96.
- Kaspar, H.F.; Gillespie, P.A.; Boyer, I.C.; MacKenzie, A.L. (1985). Effects of mussel aquaculture on the nitrogen cycle and benthic communities in Kenperu Sound, Marlborough Sounds, New Zealand. *Marine Biology* 85(2): 127-136.
- Kleppel, G.S. (1993). On the diets of calanoid copepods. *Marine Ecology Progress Series* 99: 183-195.
- Lehane, C.; Davenport, J. (2002). Ingestion of mesozooplankton by three species of bivalve: *Mytilus edulis*, *Carastoderma edule* and *Aequipecten opercularis*. *Journal of the Marine Biological Association U.K.* 82: 1-6.
- Ogilvie, S.C.; Ross, A.H.; James, M.R.; Scheil, D.R. (2003). In situ enclosure experiments on the influence of cultured mussels (*Perna canaliculus*) on phytoplankton at times of high and low ambient nitrogen. *Journal of Experimental Biology and Ecology* 295: 23-39.

- Ogilvie, S.C.; Ross, A.H.; Schiel, D.R. (2000). Phytoplankton biomass associated with mussel farms in Beatrix Bay, New Zealand. *Aquaculture* 181: 71-80.
- Pankhurst, P.M.; Montgomery, J.C.; Pankhurst, N.W. (1991). Growth, development and behaviour of artificially reared larval *Pagrus auratus* (Bloch & Schneider, 1801) (Sparidae). *Australian Journal of Marine and Freshwater Research* 42: 391-398.
- Plew, D.; Stevens, C.; Spigel, R.; Hartstein, N. (in review). Hydrodynamic implications of large offshore mussel farms. *IEEE Journal of Oceanic Engineering*.
- Prins, T.C.; Escaravage, V.; Smaal, A.C.; Peeters, J.C.H. (1995). Nutrient cycling and phytoplankton dynamics in relation to mussel grazing in a mesocosm experiment. *Ophelia* 41: 289-315.
- Prins, T.C.; Smaal, A.C. (1990). Benthic-pelagic coupling: the release of inorganic nutrients by an intertidal bed of *Mytilus edulis*. In: Barnes, M.; Gibson, R. (eds). *Trophic relationships in the marine environment*, pp. 89-103. Aberdeen University Press.
- Robertson, D.A. (1975). A key to the planktonic eggs of some New Zealand marine teleosts. *No.* 9. p.
- Rosenberg, R.; Loo, L.O. (1983). Energy flow in *Mytilus edulis* culture in western Sweden. *Aquaculture* 35: 151-161.
- Ross, A.H.; Hadfield, M.G. (2003). A carrying capacity model for mussel farming in Beatrix Bay. *No.* CHC2003-005. p.
- Smayda, T.J. (1970). The suspension and sinking of phytoplankton in the sea. *Oceanography and Marine Biology Annual Review* 8: 353-414.
- Smith, A. (2003). Optimal marine farm structures. Ph.D. University of Canterbury, Christchurch. p.
- Smith, E.L. (1936). Photosynthesis in relation to light and carbon dioxide. *Proc. Natl. Acad. Sci.* 22: 504-511.
- Speirs, D.C.; Gurney, W.S.C. (2001). Population persistence in rivers and estuaries. *Ecology* 82(5): 1219-1237.
- Stephens, S.A.; Broekhuizen, N. (2003). Ecological sustainability assessment for the Firth of Thames: Task 1 - Hydrodynamic modelling. *No.* HAM2003-113. 35 p.

- Taylor, A.H.; Watson, A.J.; Ainsworth, M.; Robertson, J.E.; Turner, D.R. (1991). A modelling investigation of the role of phytoplankton in the balance of carbon at the surface of the North Atlantic. *Global Biogeochemical Cycles* 5: 151-171.
- Tréguer, P.; Kamatani, A.; Gueneley, S.; Quéguiner, B. (1989). Kinetics of dissolution of Antarctic diatom frustules and the biogeochemical cycle of silicon in the Southern Ocean. *Polar Biology* 9: 397-403.
- Verity, P.G.; Williams, S.C.; Hong, Y. (2000). Formation, degradation, and mass:volume ratios of detritus derived from decaying phytoplankton. *Marine Ecology Progress Series* 207: 53-68.
- Villareal, T.A. (1992). Buoyancy properties of the giant diatom *Ethmodiscus*. *Journal of Plankton Research* 14: 459-463.
- Woods, J.D.; Onken, R. (1982). Diurnal variation and primary production in the ocean - preliminary results of a Lagrangian ensemble model. *Journal of Plankton Research* 4: 735-756.
- Zeldis, J.; Robinson, K.; Ross, A.H.; Hayden, B.J. (in review). First observations of predation by New Zealand Greenshell® mussels (*Perna canaliculus*) on zooplankton. *New Zealand Journal of Marine and Freshwater Research*.
- Zeldis, J.R.; Francis, R.I.C.C. (1998). A daily egg production method estimate of snapper biomass in the Hauraki Gulf, New Zealand. *ICES Journal of Marine Science* 55(3): 522-534.
- Zeldis, J.R.; Smith, S.V. (1999). Water, salt and nutrient budgets for Hauraki Gulf, New Zealand. *In*: Smith, S.V.; Crossland, C.J. (eds). Australasian Estuarine Systems: carbon, nitrogen and phosphorus fluxes. *LOICZ Reports & Studies* No. 12, pp. ii+182. LOICZ IPO, Texel, The Netherlands.