

REFERENCES

- Ahmad Adnan, N., Loneragan, N. R. and Connolly, R. M. (2002). Variability of, and the influence of environmental factors on, the recruitment of postlarval and juvenile *Penaeus merguensis* in the Matang mangroves of Malaysia. *Marine Biology*. **141**: 241-251.
- Alongi, D. M. (1990). Effect of mangrove detrital outwelling on nutrient regeneration and oxygen fluxes in coastal sediments of the central Great Barrier Reef lagoon. *Estuarine, Coastal and Shelf Science*. **31**(5): 581-598.
- Alongi, D. M. (1997). *Coastal Ecosystem Processes*. 45pp. New York: CRC Press.
- Alongi, D. M., Boto, K. G. and Robertson, A. I. (1992). Nitrogen and phosphorus cycles. In *Tropical Mangrove Ecosystems*. 252pp. Washington D.C., USA: American Geophysical Union.
- Alongi, D. M., Chong, V. C., Dixon, P., Sasekumar, A. Wong, S. C., Tirendi, F. (2002). The influence of fish cage aquaculture on pelagic carbon flow and water chemistry in tidally-dominated mangrove estuaries of Peninsular Malaysia. *Marine Environmental Research*. (in press)
- Ashton, E. C. (2000). *Biodiversity and Community Ecology of Mangrove Plants, Molluscs and Crustaceans in Two Mangrove Forests in Peninsular Malaysia in Relation to Local Management Practices*. Thesis. U. K.: Biology Department, University of York.
- Aston, S. R. (1980). Nutrients, dissolved gases and general biogeochemistry in estuaries. In *Chemistry and Biogeochemistry of Estuaries* (Olausson, E. & Ingemari, C. eds). pp. 233-257. Chichester: John Wiley & Sons.
- Bakar, S. A. (1984). Uses of mangroves for aquaculture in Malaysia. In *2nd Introductory Training Course on Mangrove Ecosystem, November 1-25, 1984*. Goa, India: UNDP/UNESCO Research and Training Pilot Program.
- Barnes, H. (1952). The use of transformations in marine biological statistics. *J. Cons. Pern. Int. Explor. Mar.* **18**: 61-71.
- Beveridge, M. C. M. (1996). *Cage Aquaculture*. Oxford: Blackwell Science.
- Boto, K. G. and Wellington, J. T. (1988). Seasonal variations in concentrations and fluxes of dissolved organic materials in a tropical, tidally-dominated mangrove waterway. *Marine Ecology Progress Series*. **50**: 151-160.
- Broom, M. J. (1985) The biology and culture of marine bivalve molluscs of the genus *Anadara*. *ICLARM Studies and Reviews* **12**. 37pp.
- Bulleid, N. C. (1984). Deoxygenation and remineralization above the sediment – water interface; an *in situ* experimental study. *Estuarine, Coastal and Shelf Science*. **19**: 15-25.

- Burns, P. A. and Salomon, K. (1969). *Proc. Natl. Shellfish. Ass.* **59**: 121-125. (In **Suratman, 1997**)
- Butler, E. I. and Tibbits, S. (1972). *J. Mar. Biol. Ass. UK.* **52**: 681-699. (In **Suratman, 1997**)
- Caetano, M., Falco, M., Vale, C. and Bebiana, M. (1997). Tidal flushing of ammonium, iron and manganese from intertidal sediment pore waters. *Mar. Chem.* **58**: 203-211.
- Carritt, D. E. and Goodgal, S. (1954). *Deep-sea Research.* **1**: 224-243. (In **Suratman, 1997**)
- Chong, V. C. (1998). Coastal aquaculture development in Malaysia and its environmental impacts. In *Workshop on Aquaculture and its Environmental Problems in the Southeast Asian Countries, 27 March 1998*. JIRCAS Tsukuba, Japan.
- Chong, V. C., Low, C. B. and Ichikawa, T. (2001). Contribution of mangrove detritus to juvenile prawn nutrition: a dual stable isotope study in a Malaysian mangrove forest. *Marine Biology.* **138**: 77-86.
- Chong, V. C., Alongi, D. M., Natin, P., Ooi, A. L., Sasekumar, A and Wong, S. C. (2002). Effects of fish cage aquaculture on water chemistry, plankton and macrobenthos abundance in Matang mangrove estuaries (Perak, Peninsular Malaysia). *Asia-Pacific Conference on Marine Science & Technology* (Sasekumar, A., Usup, G., Mokhtar, N., Ung, E. H. and Lee, S. C. eds). Kuala Lumpur, Malaysia: Malaysian Society of Marine Sciences, Ministry of Science, Technology & the Environment and Institute of Biological Sciences, University of Malaya.
- Chong, V. C., Sasekumar, A., Low, C. B. and Syed Hussein Ali, M. A. (1999). The physico-chemical environment of the Matang and Dinding mangroves (Malaysia). In *Productivity and Sustainable Utilization of Brackish Water Mangrove Ecosystems*. Tsukuba, Japan: Japan International Research Center for Agricultural Sciences.
- Chong, V. C., Sasekumar, A., Leh, M. U. C. and D'Cruz, R. (1990). The fish and prawn communities of a Malaysian coastal mangrove system, with comparison to adjacent mudflats and inshore waters. *Estuarine, Coastal and Shelf Science.* **31**: 703-722.
- Chongprasith, P., Wilairatanadilok, W. and Utoomprurkporn, W. (1999). ASEAN marine water quality criteria for phosphate. P. XVII-1 to XVII-27. In *ASEAN Marine Water Quality Criteria: Contextual Framework, Principles, Methodology and Criteria for 18 Parameters* (McPherson, C., Chapman, P., Vigers, G. and Ong, K. S. eds). ASEAN Marine Environmental Quality Criteria – Working Group (AMEQC-WG), ASEAN-Canada Cooperative Programme on Marine Science – Phase II (CPMS-II). EVS Environmental Consultants, North Vancouver and Department of Fisheries Malaysia.
- Chuah, A. L. (1998). *Water Quality Study of the East Johor Strait*. Masters Thesis. Singapore: National University of Singapore.

Coasta-Pierce, B. A. (1996). Environmental impacts of nutrients from aquaculture: towards the evolution of sustainable aquaculture systems. In *Aquaculture and Water Resource Management* (Baird, D. J., Beveridge, M. C. M. and Muir, J. F. eds). Oxford: Blackwell Science.

Coclan, W. P., Harrison, P. J. and Denman, K. L. (1991). Diel periodicity of nitrogen uptake by marine phytoplankton in nitrate rich environments. *Limnology and Oceanography*. **36**(8): 1689 - 1700.

Cornel, G. E. and Whoriskey, F. G. (1993). The effects of rainbow trout (*Oncorhynchus mykiss*) cage culture on the water quality, zooplankton, benthos and sediments of Lac du Passage, Quebec. *Aquaculture*. **109**: 101-117.

Deocadiz, E. and Montano, N. (1999). ASEAN marine water quality criteria for nitrate/nitrite. P. XIV-1 to XIV-24. In *ASEAN Marine Water Quality Criteria: Contextual Framework, Principles, Methodology and Criteria for 18 Parameters* (McPherson, C., Chapman, P., Vigers, G. and Ong, K. S. eds). ASEAN Marine Environmental Quality Criteria – Working Group (AMEQC-WG), ASEAN-Canada Cooperative Programme on Marine Science – Phase II (CPMS-II). EVS Environmental Consultants, North Vancouver and Department of Fisheries Malaysia.

Department of Fisheries (1983). *Annual Fisheries Statistics*. Kuala Lumpur, Malaysia: Department of Fisheries, Ministry of Agriculture.

Department of Fisheries (1998). *Annual Fisheries Statistics*. Kuala Lumpur, Malaysia: Department of Fisheries, Ministry of Agriculture.

Department of Fisheries (1999). *Annual Fisheries Statistics*. Kuala Lumpur, Malaysia: Department of Fisheries, Ministry of Agriculture.

Duke, N. C. (1992). Mangrove floristics and biogeography. In *Tropical Mangrove Ecosystems*. pp. 63-64. Washington D.C., USA: American Geophysical Union.

Esteves, E., Pina, T., Chicharo, M. A. and Andrade, J. P. (2000). The distribution of estuarine fish larvae: Nutritional condition and co-occurrence with predators and prey. *Acta Oecologica*. **21**(3): 161-173.

Ferrier-Pages, C. and Rassoulzadegan, F. (1994). N remineralization in planktonic protozoa. *Limnology and Oceanography*. **39**(2): 411-419.

Fisher, T. R., Harding, L. W., Stanley, D. W. and Ward, L. G. (1988). Phytoplankton, nutrients and turbidity in the Chesapeake, Delaware and Hudson Estuaries. *Estuarine, Coastal and Shelf Science*. **27**: 61-93.

Flint, R. W. and Kamykowski, D. (1984). Benthic nutrient regeneration in South Texas coastal waters. *Estuarine, Coastal and Shelf Science*. **18**: 221-230.

Food and Agricultural Organization (1994). *Mangrove Forest Management Guidelines*. Rome: Food and Agricultural Organization.

Fourqurean, J. W. Jones, R. D. and Zieman, J. C. (1993). Processes influencing water column nutrient characteristics and phosphorus limitation of phytoplankton biomass in Florida Bay, FL. USA: inferences from spatial distributions. *Estuarine, Coastal and Shelf Science*. **36**: 295-314.

Fowler, J., Cohen, L. and Jarvis, P. (1998). *Practical Statistics for Field Biology*, 2nd edition. 211pp. Chichester: John Wiley & Sons.

Foy, R. H. and Rosell, R. (1991). Loadings of nitrogen and phosphorus from a Northern Ireland fish farm. *Aquaculture*. **96**: 17-30.

Gan, B. K. (1995). *A Working Plan for the Matang Mangrove Forest Reserve, Perak, 1990-1999*. Perak, Malaysia: State Forestry Department.

Gardner, W. S., Seitzinger, S. P. and Malezyk, J. M. (1991). The effects of sea salts on the forms of nitrogen released from estuarine and freshwater sediments: does ion pairing affect ammonium flux? *Estuaries*. **14**: 157-166.

Gauch, H. G. Jr. (1982). *Multivariate Analysis in Community Ecology*. pp. 118 – 136. Cambridge: Cambridge University Press.

Gong, W. K. and Ong, J. E. (1990). Plant biomass and nutrient flux in a managed mangrove forest in Malaysia. *Estuarine, Coastal and Shelf Science*. **31**: 519-530.

Gowen, R. J. and Bradbury, N. B. (1987). The ecological impact of salmonid farming in coastal waters, a review. *Oceanography and Marine Biology Annual Reviews*. **25**: 563-575.

Gowen, R. J. Tett, P. and Jones, K. J. (1983). The hydrography and phytoplankton ecology of Loch Ardbhair: a small sea loch on the West Coast of Scotland. *J. Exp. Mar. Biol. Ecology*. **71**: 1-16. (In Pitta, 1999)

HACH (1997). *Water Analysis Handbook*, 3rd edition. Colorado, HACH Company.

Haines, E. B. (1977). The origin of detritus in Georgia salt marsh estuaries. *Oikos*. **29**: 254-260.

Harris, G. P. (1986). *Phytoplankton Ecology, Structure, Function and Fluctuation*. 384p. London: Chapman & Hall.

Harrison, P. J. Khan, N., Yin, K. Saleem, M., Bano, N. Nisa, M., Ahmed, S. I., Rizvi, N. and Azam, F. (1997). Nutrient and phytoplankton dynamics in two mangrove tidal creeks of the Indus River delta, Pakistan. *Marine Ecology Progress Series*. **157**: 13-19.

Head, P. C. (1985). Salinity, dissolved oxygen and nutrients. In *Practical Estuarine Chemistry – A Handbook* (Head, P. C. ed). 94-114pp. Cambridge: Cambridge University Press.

Hobbies, J. E., Copeland, B. J. and Harrison, W. G. (1975). Sources and fates of nutrients of the Pamlico River estuary, New Carolina. *Estuarine Research Volume*

I: Chemistry, Biology and the Estuarine System (Cronin, L. E. ed). 287-302pp. New York: American Press.

Holmer, M. and Olsen, A. B. (2002). Role of decomposition of mangrove and seagrass detritus in sediment carbon and nitrogen cycling in a tropical mangrove forest. *Marine Ecology Progress Series*. **230**: 87-101.

Ismail, H.I., Mohd Nahar, H.S. and Daim, H.B. (1997). A preliminary report on a paralytic shellfish poisoning outbreak in Sebatu, Malacca, Peninsular Malaysia. In *ASEAN Criteria and Monitoring: Advances in Marine Environmental Management and Human Health Protection* (Watson, D., Ong, K.S. & Vigers, G. eds). pp. 351-356. EVS Environmental Consultants, Vancouver and National Science and Technology Board, Singapore,

Iwama, G. I. (1991). Interactions between aquaculture and the environment. *Critical Rev. Environ. Control*. **21**: 177-216.

Karakassis, I., Tsapakis, M. and Hatziyanni, E. (1998). Seasonal variability in sediment profiles beneath fish farm cages in the Mediterranean. *Marine Ecology Progress Series*. **162**: 243-252

Karakassis, I., Tsapakis, M., Hatziyanni, E., Papadopoulou, K. N. and Plarti, W. (2000). Impact of cage farming of fish on the seabed in three Mediterranean coastal areas. *ICES Journal of Marine Science*. **57**: 1462-1471

Kathiresan, K. dan Bingham, L. (2001). *Biology of Mangroves and Mangrove Ecosystems*. Academic Press.

Lee, S. Y. (1995). Mangrove outwelling: a review. *Hydrobiologia*. **295**(1-3): 203-212.

Lehtinen, K-J., Mattsson, K., Tana, J. Grotell, C. and Engström, C. (1998). Effects on ecosystem structure and function of fish farming as simulated in littoral brackish water mesocosms. *Aquaculture*. **165**: 179-202.

Lirdwitayaprasit, T. (1997). A comparative study on phytoplankton abundance and some environmental factors in closed and opened systems of shrimp culture ponds at Chantaburi Province, Thailand. In *ASEAN Marine Environmental Management: Quality Criteria and Monitoring for Aquatic Life and Human Health Protection* (Watson, D., Ong, K.S. & Vigers, G. eds). EVS Environmental Consultants, Vancouver and DOF, Malaysia, pp. VI-31 - VI-42.

Little, C. (2000). *The Biology of Soft Shores and Estuaries*. 174pp. Oxford: Oxford University Press.

Lopez-Hernandez, D. and Burnham, C. P. (1978). *Agrochimica*. **22**: 150-159. (In **Suratman, 1997**)

Madin, J. and Chong, V. C. (2002). Effects of fish feed on biofouling development in floating fish cages. *Asia-Pacific Conference on Marine Science & Technology* (Sasekumar, A., Usup, G., Mokhtar, N., Ung, E. H. and Lee, S. C. eds). Kuala

Lumpur, Malaysia: Malaysian Society of Marine Sciences, Ministry of Science, Technology & the Environment and Institute of Biological Sciences, University of Malaya.

Manly, B. F. J. (1986). *Multivariate Statistical Methods – a Primer*. London: Chapman & Hall.

Marshall, N. (1994). Mangrove conservation in relation to overall environmental considerations. *Hydrobiologia*. **285**(1-3): 303-309.

Natin, P. (2001). *Effects of Fish Cage Culture on Macrobenthos Diversity and Abundance in the Matang Mangrove Estuary (Malaysia)*. Thesis. Kuala Lumpur, Malaysia: University of Malaya.

Nedwell, D. B. (1975). Inorganic nitrogen metabolism in a eutrophicated tropical mangrove estuary. *Water Research*. **9**: 221-231.

Nedwell, D. B., Hall, S. E., Anderson, A., Hagstrom, A. F. and Lindstrom, E. B. (1983). Seasonal changes in the distribution and exchange of inorganic nitrogen between sediment and water in the Northern Baltic (Gulf of Bothnia). *Estuarine, Coastal and Shelf Science*. **17**: 169-179.

Nedwell, D. B., Jickells, T. D., Trimmer, M. and Sanders, R.. (1999). Nutrients in estuaries. In *Advances in Ecological Research Vol. 29: Estuaries* (Nedwell, D. B. and Raffaelli, D. G. eds). San Diego: Academic Press.

Newell, R. I. E., Marshall, N., Sasekumar, A. and Chong, V. C. (1995). Relative importance of benthic microalgae, phytoplankton, and mangroves as sources of nutrition for penaeid prawns and other coastal invertebrates from Malaysia. *Marine Biology*. **123**: 595-606.

Nixon, S. W. (1980). Between coastal marshes and coastal waters – a review of twenty years of speculation and research on the role of salt marshes in estuarine productivity and water diversity. In *Estuarine and Wetland Processes* (Hamilton, R. and MacDonald, K. B. eds).pp. 437-425. New York: Plenum.

Nixon, S. W., Furnas, B. N., Lee, V. and Marshall, N. (1984). The role of mangroves in the carbon and nitrogen dynamics of Malaysian estuaries. In *Proceedings of the Asian Symposium on Mangrove Environment – Research and Development* (Soepadmo, e., Rao, A. N. and Macintosh, D. J. eds). 534-544pp. Kuala Lumpur: University of Malaya.

Odum, E. P. and de la Cruz, A. A. (1963). Detritus as a major component of ecosystems. *AIBS Bulletin*. **13**: 39-40.

Odum, E. P. and Heald, E. J. (1975). The detritus-based food web of an estuarine mangrove community. *Bulletin of Marine Science*. **22**: 671-737.

Ooi, A. L. (2002). *Effects of Fish Cage Culture on the Zooplankton in a Malaysian Mangrove Estuary*. Thesis. Kuala Lumpur, Malaysia: University of Malaya.

- Parsons, T.R., Maita, Y. & Lalli, C.M. (1984). *A Manual of Chemical and Biological Methods for Seawater Analyses*. Pergamon Press: UK.
- Perak State Department of Fisheries (2000). Annual Fisheries Statistics for Perak State. Perak, Malaysia: Perak State Department of Fisheries for Larut-Matang District.
- Philips, M. J. (1998). Tropical mariculture and coastal environmental integrity. In *Tropical Mariculture*. San Diego: Academic Press.
- Pitta, P. (1996). *Dynamics of the Plankton Community in Sea Bream (Sparus aurata) Rearing Mesocosms*. Thesis. Heraklion: University of Crete. (In Pitta et al., 1999)
- Pitta, P., Karakassis, I., Tsaçakis M. and Zivanovic, S. (1999). Natural vs. mariculture induced variability in nutrients and plankton in the eastern Mediterranean. *Hydrobiologia*. **391**: 181-194.
- Pomeroy, L. R., Smith, E. E. and Grant, C. M. (1965). The exchange of phosphate between estuarine water and sediments. *Limnology and Oceanography*. **10**: 167-172.
- Primavera, J. H. (1996). Stable carbon and nitrogen isotope ratios of penaeid juveniles and primary producers in a riverine mangrove in Guimaras, Philippines. *Bulletin of Marine Science*. **58**: 675-683.
- Qasim, S. Z. and Wafar, M. V. M. (1990). Marine resources in the tropics. In *Tropical Resources: Ecological and Development* (Fur tado, J. I., Morgan, W. B., Pfafflin, J. R. and Ruddle, K. eds). 141-169pp. London: Harwood Academic.
- Qian, P. Y., Wu, M. C. S., Ni, I. H. (2001). Comparison of nutrients release among some maricultured animals. *Aquaculture*. **200**: 305-316.
- Rezende, C. E., Lacerda, L. D., Ovalle, A. R. C., Silva, C. A. R. and Martinelli, L. A. (1990). Nature of POC transport in a mangrove ecosystem: a carbon stable isotopic study. *Estuarine, Coastal and Shelf Science*. **30**(6): 641-645.
- Rimmer, M. A. and Russell, D. J. (1998). Aspects of the biology and culture of *Lates calcifer*. In *Tropical Mariculture* (DeSilva, S. S. ed). San Diego. Academic Press.
- Robertson, M. A. and Alongi, D. M. (1995). Role of riverine mangrove forests in organic carbon export to the tropical coastal ocean: a preliminary mass balance for the Fly Delta (Papua New Guinea). *Geo-Marine Letters*. **15**(3-4): 134-139.
- Robertson, M. A. and Blaber, S. J. M. (1992). Plankton, epibenthos and fish communities. In *Tropical Mangrove Ecosystems* (Robertson, A. I. and Alongi, D. M. eds). pp. 173-224. Washington D.C., USA: American Geophysical Union.
- Robertson, A. I. and Daniel, P. A. (1989). Decomposition and annual flux of detritus from fallen timber in tropical mangrove forests. *Limnology and Oceanography*. **34**: 640-646.

Robertson, M. A. and Duke, N. C. (1987). Mangroves as nursery sites: comparisons of the abundance and species composition of fish and crustaceans in mangroves and other nearshore habitats in tropical Australia. *Marine Biology*. **96**: 193-205.

Robertson, M. A., Alongi, D. M and Boto, K. G. (1992). Food chains and carbon fluxes. In *Tropical Mangrove Ecosystems* (Robertson, A. I. and Alongi, D. M. eds). pp. 293-326. Washington D.C., USA: American Geophysical Union.

Robertson, A. I., Daniel, P. A. and Dixon, P (1991). Mangrove forest structure and productivity in the Fly River estuary, Papua New Guinea. *Marine Biology*. **111**: 147-155.

Rodelli, M. R., Gearing, J. N., Gearing, p. J., Marshall, N and Sasekumar, A. (1984). Stable isotope ratios as a tracer of mangrove carbon in Malaysian ecosystems. *Oecologia*. **61**: 326-333.

Rosenberg, R. (1985). *Marine Pollution Bulletin*. **16**: 227-231. (In **Suratman, 1997**)

Royal Malaysian Navy (1999). *Tide Tables Malaysia 2000, Vol. 1*. Malaysia: Hydrographic Branch of Royal Malaysian Navy.

Sasekumar, A. (1974). Distribution of macrofauna on a Malayan mangrove shore. *Journal of Animal Ecology*. **43**: 51-69.

Sasekumar, A. (1996). macrobenthos of mangrove shores in Malaysia. In *Proceedings of the Seminar on Sustainable Utilization of Coastal Ecosystems for Agriculture, forestry and Fisheries in Developing Regions* (Suzuki, M, Hayase, S. and Kawahara, S eds). pp. 21-26. Japan International Research Center for Agricultural Sciences (JIRCAS) and the Ministry of Agriculture, Forestry and Fisheries Malaysia.

Seitzinger, S. P. (1991). *Estuarine, Coastal and Shelf Science*. **4**: 409-418. (In **Suratman, 1997**)

Shalkovitz, E. (1973). Interstitial water chemistry of the Santa Barbara Basin sediments. *Geochim. Cosmochim. Acta*. **37**: 2043-2073.

Shamsudin, L. and Ambak, M. A. (1983). The variation in photosynthesis values, inorganic nutrient contents and other environmental factors within a tidal cycle of Sungai Ibai, Terengganu. *Pertanika*. **6**(2): 39-44.

Sharp, J. H., Culbertson, C. H. and Church, T. M. (1982). The chemistry of the Delaware estuary. General considerations. *Limnology and Oceanography*. **27**: 1015-1028.

Shazili, N. A. M. and Tong, S. L. (1999). ASEAN marine water quality criteria for ammonia. P. IV-1 to IV-16. In *ASEAN Marine Water Quality Criteria: Contextual Framework, Principles, Methodology and Criteria for 18 Parameters* (McPherson, C., Chapman, P., Vigers, G. and Ong, K. S. eds). ASEAN Marine Environmental Quality Criteria – Working Group (AMEQC-WG), ASEAN-Canada Cooperative

Programme on Marine Science – Phase II (CPMS-II). EVS Environmental Consultants, North Vancouver and Department of Fisheries Malaysia.

Simon, N. S. (1988). Nitrogen cycling between sediment and the shallow-water column in the transition zone of the Potomac River and estuary. *Estuarine, Coastal and Shelf Science*. **26**: 483-497.

Singh, A. K., Dwivedi, A. and Kumar, H. D. (1992). Phosphorus uptake by immobilized cells of the alkali-tolerant cyanobacterium *Oscillatoria amphibia* Ag. Ex Gomont. *Environmental Technology*. **13**: 89-94.

Stirling, H. P. and Wormald, A. P. (1977). Phosphate/sediment interaction in Tolo and Long Harbours, Hong Kong and its role in estuarine phosphorus availability. *Estuarine and Coastal Marine Science*. **5**: 631-642.

StatSoft (1994). *Statistica*. StatSoft.

Stone, M. and Mudroch, A. (1989). The effect of particle size, chemistry and mineralogy of river sediments on phosphate adsorption. *Environmental Technology Letters*. **10**: 501-510.

Stowe, K. (1987). *In Essential of Ocean Science*. New York: John Wiley & Sons.

Strickland, J. D. H. and Parsons, T. R. (1968). *A Practical Handbook of Seawater Analysis*. Ottawa: Fisheries Research Board of Canada.

Sundby, B., Gobeil, C. and Silverberg, N. (1992). The phosphorus cycle in coastal marine sediments. *Limnology and Oceanography*. **37**(6): 1129-1145.

Suratman, S. (1997). *Distribution of Dissolved Oxygen and Inorganic Nutrients in Sungai Selangor Estuary*. Thesis. Kuala Lumpur, Malaysia: University of Malaya.

Tan, C. K. (1998). Overview of aquaculture in Malaysia. In *Aquaculture Practices in Malaysia* (Nagaraj, G. and Singh, T. eds). 1-13pp. Malaysian Fisheries Society Occasional Publication No. 9.

Tanaka, K. and Choo, P. S. (2000). Influence of nutrient outwelling from the mangrove swamp on the distribution of phytoplankton in the Matang mangrove estuary, Malaysia. *Limnology and Oceanography*. **56**: 69-78.

Tanaka, K. and Choo, P. S. (2000). Influence of nutrient outwelling from the mangrove swamp on the distribution of phytoplankton in the Matang Mangrove Estuary, Malaysia. *Journal of Oceanography*. **56**: 69-78.

Trott, L. A. and Alongi, D. M. (1999). Variability in surface water chemistry and phytoplankton biomass in two tropical, tidally dominated mangrove creeks. *Marine Freshwater Resources*. **50**: 451-457.

Turner *Quantech Digital Filter Fluorometer Operation Manual*. Barnstead |Thermolyne Corporation, 1999.

Van Tussenbroek, B. I. (1995). *Thalassia testudinum* leaf dynamics in a Mexican Caribbean coral reef lagoon. *Marine Biology*. **122**(1): 3-40.

Vanderborght, J. P. and Billen, G. (1975). Vertical distribution of nitrate concentration in interstitial water of marine sediments with nitrification and denitrification (Sluice Dock, Ostend, Belgium). *Limnology and Oceanography*. **20**: 953-961.

Velasquez, I.B., Jacinto, G.S., Narcies, C.I. and Cuaresma Jr., N.C.T. (1997). The role of dissolved nutrients and other abiotic factors in red tide episodes in Manila Bay. In *ASEAN Marine Environmental Management: Quality Criteria and Monitoring for Aquatic Life and Human Health Protection* (Watson, D., Ong, K.S. & Vigers, G. eds). EVS Environmental Consultants, Vancouver and DOF, Malaysia, pp. III-76 - III-78.

Warren-Hansen, I. (1982). Evaluation of matter discharged from trout farming in Denmark. *Report of the EIFAC Workshop on Fish Farm Effluents*. FAQ/EIFAC Tec. Pap. **41**: 57-63.

Wolanski, E. and Imberger, J. (1987). Friction-controlled selective withdrawal near inlets. *Estuarine, Coastal and Shelf Science*. **24**: 327-333.

Wolanski, E., Jones, M. and Bund, J. S. (1980). Hydrodynamics of a tidal creek-mangrove swamp system. *Australian Journal of Freshwater Research*. **31**: 431-450.

Wolanski, E., Mazda, Y., King, B. and Gay, S. (1990). Dynamics, flushing and trapping in Hinchinbrook Channel, a giant mangrove swamp, Australia. *Estuarine, Coastal and Shelf Science*. **31**: 555-580.

Wolanski, E., Mazda, Y. and Ridd, P. (1992). Mangrove hydrodynamics. In *Tropical Mangrove Ecosystems* (Robertson, A. I. and Alongi, D. M. eds). pp. 43-62. Washington D.C., USA: American Geophysical Union.

Wolaver, T., Johnson, W. and Marozas, M. (1984). Nitrogen and phosphorus concentrations within North Inlet, South Carolina – speculation as to sources and sinks. *Estuarine, Coastal and Shelf Science*. **19**: 243-255.

Wong, C. H. (1984). Mangrove aquatic nutrients. In *Productivity of the Mangrove Ecosystems: Management Implications* (Ong, J. E. and Gong, W. K. eds). pp. 60-68. Penang, Malaysia: Universiti Sains Malaysia.

Wong, T.S. & Ting, T.M. (1984). Red tide and paralytic shellfish poisoning in Sabah. In *Toxic Red Tides and Shellfish Toxicity in Southeast Asia* (White, A.W., Anraku, Hooi, K. K. eds). Proceedings of a consultative meeting held in Singapore 11-14 September 1984. SEAFDEC and IDRC, pp. 35-42.

Wu, R. S. S., Lam, K. S., MacHay, D. W., Lau, T. C. and Yam, V. (1994). Impact of marine fish farming on water quality and bottom sediment: a case study in the sub-tropical environment. *Marine Environmental Research*. **38**: 115-145.

Yamada, H., Kayama, M. and Fujisawa, K. (1987). Seasonal changes of concentrations of inorganic and organic nitrogen in coastal marine sediments. *Estuarine, Coastal and Shelf Science*. **24**: 585-598.