

Bibliography

19350 - Length-weight relationship of fishes caught by trawl off Alexandria, Egypt.

Abdallah, M. 2002. NAGA 25(1): 19-20. National Institute of Oceanography and Fisheries, Fisheries Biology Laboratory, Fisheries Division, 21111, El-Anfoushy, Alexandria, Egypt (E-mail: mohamed.abdallah@persga.org)

19351 - Length-weight relationships of bivalves from coastal waters of Korea.

Park, K.Y.; Oh, C.W. 2002. NAGA 25(1): 21-22. Mokpo National University Chunggye-myeon, Department of Marine Resources, Muan-gun, Chonnan, South Korea.

19352 - Seasonality, labor and integration of aquaculture into southern African smallhold farming systems.

Brummett, R.E. 2002. NAGA 25(1): 23-27. Write to: WorldFish Center, PO Box 500, GPO, 10670 Penang, Malaysia (E-mail: worldfishcenter@cgiaar.org)

19353 - Tilapia broodstock development for saline waters in the Philippines.

Tayamen, M.M.; Reyes, R.A.; Danting, Ma, J.; Mendoza, A.M.; Marquez, E.B.; Salquet, A.C.; Gonzales, R.C.; Abella, T.A.; Vera-Cruz, E.M. 2002. NAGA 25(1): 32-36. National Freshwater Fisheries Technology Center of the Philippines - Bureau of Fisheries and Aquatic Resources, Philippines.

19354 - Preliminary report on nursery and grow-out culture of hatchery-bred grouper (*Epinephelus coioides* Hamilton) in ponds.

Tuburan, I.B.; Coniza, E.B.; Rodriguez, E. 2002. Aquacult. Res. 33(5): 379-381. Southeast Asian Fisheries Development Center, Aquaculture Department, Tigbauan, Iloilo, Philippines (E-mail: ibt@aqd.seafdec.org.ph)

19355 - Asian carp farming systems: towards a typology and increased resource use efficiency.

Michielsens, C.G.J.; Lorenzen, K.; Phillips, M.J.; Gauthier, R. 2002. Aquacult. Res. 33(6): 403-413. Imperial College, Department of Environmental Science and Technology, London, United Kingdom (E-mail: c.michielsens@ic.ac.uk)

19356 - Effects of feeding rates on growth and production of Nile tilapia, a common carp and silver carp polycultured in fertilized ponds.

Abdelghany, A.E.; Ahmad, M.H. 2002. Aquacult. Res. 33(6): 415-423.

19357 - Exposure of taste buds to potassium permanganate and formalin suppresses the gustatory neural response in the Nile tilapia *Oreochromis niloticus* (Linnaeus).

Yacoob, S.Y.; Anraku, K.; Archdale, M.V.; Matsuoka, T.; Kiyohara, S. 2002. Aquacult. Res. 33(6): 445-453.

19358 - *Vibrio harveyi* isolated from cage-cultured seabass *Lates calcarifer* Bloch in the Philippines.

Tendencia, E. 2002. Aquacult. Res. 33(6): 455-458. Southeast Asian Fisheries Development Center, Aquaculture Department, Tigbauan, Iloilo, Philippines (E-mail: sidgigit@iloilo.net)

19359 - Iodine as a disinfectant against *Monodon baculovirus* (MBV).

Manisseri, M.K.; Spann, K.M.; Lester, R.J.G. 1999. Asian Fish. Sci. 12(2): 105-111. Write to: R. J. G. Lester, University of Queensland, Department of Microbiology & Parasitology, Brisbane, 4072, Australia.

19360 - PHA and Con A as mitogenic factors for the cultivation of lymphocytes of catfishes.

Gupta, N.; Gupta, D.K. 1999. Asian Fish. Sci. 12(2): 113-118. MJP Rohilkhand University, Department

This section contains a list of selected recent publications on fisheries, aquaculture and aquatic resources management available at the WorldFish Center Library. The subject, taxonomic and geographic indexes to this are given on pages 43-46.

Please write to the senior author if you require reprints of any article or monograph.

- of Animal Science, Bareilly, India.
- 19361 - Preliminary trials of hormone-induced production of fertilised eggs in the west Australian dhufish (*Glaucosoma hebraicum*, Richardson, 1845).** Pironet, F.N.; Bosc, F.A.; Jenkins, G.I. 1999. Asian Fish. Sci. 12(2): 119-132. AQUAMEN, BP 323, Morondava 619, Madagascar.
- 19362 - Stomatopod by-catch from prawn trawling in Moreton Bay, Australia.** Dell, Q.; Sumpton, W. 1999. Asian Fish. Sci. 12(2): 133-144. 171 Williamson Rd., Morayfield QLD 4506, Australia.
- 19363 - Calcium, phosphorus and magnesium requirements in the diet of shrimp *Penaeus indicus*.** Ali, S.A. 1999. Asian Fish. Sci. 12(2): 145-153. Central Institute of Brackishwater Aquaculture, 101 B Mahalingapuram Main Road, Nungambakkam, Madras, 600-034, India.
- 19364 - Energy digestibility coefficients of commonly used feedstuffs in different size-classes of Indian major carps, *Labeo rohita* (Hamilton) and *Cirrhinus mrigala* (Hamilton).** Jafri, A.K.; Hassan, M.A. 1999. Asian Fish. Sci. 12(2): 155-163. Fish Nutrition Research Laboratory, Aligarh Muslim University, Aligarh 202002.
- 19365 - Influence of pesticide pyrethroid deltamethrin pollution on the phospholipid composition of carp erythrocyte plasma membrane.** Kotkat, H.M.; Rady, A.A.; Janos, N. 1999. Asian Fish. Sci. 12(2): 165-173. Write to: A. A. Rady, Alexandria University, Faculty of Veterinary Medicine, Department of Biochemistry, Alexandria, Egypt.
- 19366 - Five tropical freshwater fish species: setting ability and other characteristics of the minces.** Nowsad, A.A.; Khan, A.H.; Niwa, E. 1999. Asian Fish. Sci. 12(2): 175-186. Bangladesh Agricultural University (BAU), Department of Fisheries Technology, Mymensingh 2202, Bangladesh.
- 19367 - Age, growth and mortality of *Gymnocranius audleyi* (Pisces: Lethrinidae).** Laursen, T.; Russ, G.R.; Newman, S.J.; Higgs, J.B. 1999. Asian Fish. Sci. 12(2): 187-200. James Cook University, Department of Marine Biology, Townsville, Qld 4811, Australia.
- 19368 - The effects of *Artemia* sources on growth, survival and salinity stress of crab (*Eriocheir sinensis*) larvae.** Naihong, X.; Jujun, S.; Guizheng, Z.; Sorgeloo, P. 1999. Asian Fish. Sci. 12(2): 201-205. China Council of Light Industry, Salt Research Institute, 831 Ying Kou Road, Tanggu, Tianjin, China 300450.
- 19369 - How useful are the genetic markers in attempts to understand and manage marine biodiversity.** Feral, J.P. 2002. J. Exp. Mar. Biol. Ecol. 268(2): 121-145. Université Pierre et Marie Curie, Observatoire Océanologique, CNRS UMR 7628, BP 44, F-66651 Banyuls-sur-mer cedex, France.
- 19370 - Case studies on the allocation of transferable quota rights in fisheries.** Shotton, R. 2001. FAO Fish. Tech. Pap. (411): 373 p.
- 19371 - Directory of fisheries and aquaculture information resources in**

Africa. Collins, J.; Kaba, F.K. (comps.) 2001. FAO Fish. Tech. Pap. (416): 226 p.

- 19372 - Interactions between coastal and marine ecosystems and human population systems: perspectives on how consumption mediates this interaction.** Curran, S.; Kumar, A.; Lutz, W.; Williams, M. 2002. Ambio 31(4): 264-268. Write to: WorldFish Center, PO Box 500, GPO, 10671 Penang, Malaysia (E-mail: worldfishcenter@cgiaar.org)
- 19373 - Technology, knowledge systems, population dynamics, and coastal ecosystems.** Williams, M.J. 2002. Ambio 31(4): 337-339. Write to: WorldFish Center, PO Box 500, GPO, 10670 Penang, Malaysia (E-mail: worldfishcenter@cgiaar.org)
- 19374 - Small-scale fisheries, population dynamics, and resource use in Africa: the case of Moree, Ghana.** Marquette, C.M.; Koranteng, K.A.; Overa, R.; Aryeetey, E.B.D. 2002. Ambio 31(4): 324-336. IJSSP/IHDP Population and Environment Research Network, 4611 Bayard Boulevard, Bethesda MD 20816, USA (E-mail: cmarquette@earthlink.net)
- 19375 - Population, consumption, and environment: lessons learned and future research about coastal and marine ecosystems: roundtable discussion.** Agardy, T.; Cruz, C.; Curran, S.; Dasgupta, P.; Kumar, A.; Lutz, W.; Williams, M. 2002. Ambio 31(4): 377-383. Write to: WorldFish Center, PO Box 500, GPO, 10670 Penang, Malaysia (E-mail: worldfishcenter@cgiaar.org)
- 19376 - Migration and fishing in Indonesian coastal waters.** Kramer, R.A.; Simanjuntak, S.M.H.; Liese, C. 2002. Ambio 31(4): 372. Box 90328, Duke University, Durham, N.C. 27708-0328, USA (E-mail: kramer@duke.edu)
- 19377 - Assessing the effects of changing demographic and consumption patterns on sea tenure regimes in the Roviana Lagoon, Solomon Islands.** Aswani, S. 2002. Ambio 31(4): 271-284. University of California, Department of Anthropology, Santa Barbara, CA 93190, USA (E-mail: aswani@anth.ucsb.edu)
- 19378 - Industrial transformation and shrimp aquaculture in Thailand and Vietnam: pathways to ecological, social, and economic sustainability?** Lebel, L.; Nguyen, H.T.; Saengnoore, A.; Pasong, S.; Buatama, U.; Le, K.T. 2002. Ambio 31(4): 311-323. Chiang Mai University, Faculty of Social Sciences, Chiang Mai 50200, Thailand (E-mail: llebel@loxinfo.co.th)
- 19379 - Economic and demographic factors affecting mangrove loss in the coastal provinces of Thailand, 1979-1996.** Barbier, E.; Cox, M. 2002. Ambio 31(4): 351-357. Department of Economics and Finance, PO Box 3985, University of Wyoming, Laramie, WY 82071-3985, USA (E-mail: ebarbier@uwyo.edu)
- 19380 - The fate of bleached corals: patterns and dynamics of algal recruitment.** Pulido, G.D.; McCook, L.J. 2002. Mar. Ecol. Prog. Ser. 232: 115-128. James Cook University, Department of Tropical Plant Sciences, Townsville, Queensland 4811, Australia (E-mail: guillermo.diaz@jcu.edu.au)
- 19381 - Groundwater effects on diversity and abundance of lagoonal seagrasses in Kenya and on Zanzibar Island (East Africa).** Kamermans, P.; Hemminga, M.A.; Tack, J.F.; Mateo, M.A.; Marba, N.; Mtolera, M.; Stapel, J.; Verheyden, A.; van daele, T. 2002. Mar. Ecol. Prog. Ser. 231: 75-83. Netherlands Institute for Fisheries Research (RIVO), Centre for Shellfish Research (CSO), PO Box

- 77, 4400 AB Yerseke, The Netherlands (E-mail: p.kamermans@rivo.wag-ur.nl)
- 19382 - Does food web theory work for marine ecosystems?** Link, J. 2002. *Mar. Ecol. Prog. Ser.* 230: 1-9. Food Web Dynamics Program, Northeast Fisheries Science Center, National Marine Fisheries Service, Woods Hole Laboratory, 166 Water Street, Woods Hole, Massachusetts 02543, USA (E-mail: jlink@whsun1.wh.whoi.edu)
- 19383 - Role of decomposition of mangrove and seagrass detritus in sediment carbon and nitrogen cycling in a tropical mangrove forest.** Holmer, M.; Olsen, A.B. 2002. *Mar. Ecol. Prog. Ser.* 230: 87-101. SDU-Odense University, Institute of Biology, Campusvej 55, 5230 Odense M. Denmark (E-mail: holmer@biology.sdu.dk)
- 19384 - Enhancement of coral recruitment by in situ mass culture of coral larvae.** Heyward, A.J.; Smith, L.D.; Rees, M.; Field, S.N. 2002. *Mar. Ecol. Prog. Ser.* 230: 113-118. Australian Institute of Marine Science, PO Box 83, Fremantle, Western Australia 6959, Australia (E-mail: a.heyward@aims.gov.au)
- 19385 - An evaluation of tropical brush and vegetation park fisheries.** Welcomme, R.L. 2002. *Fish. Manage. Ecol.* 9(3): 175-188. Imperial College of Science, Technology and Medicine, Renewable Resources Assessment Group, London, UK (E-mail: welcomme@dial.pipex.com)
- 19386 - Cold tolerance in genetically male tilapia (GMT), *Oreochromis niloticus*.** Hofer, S.C.; Watts, S.A. 2002. *World Aquacult.* 33(2): 19-21. University of Alabama at Birmingham, Birmingham, AL 35294-1170 USA.
- 19387 - Tilapia update 2001.** Stickney, R.R. 2002. *World Aquacult.* 33(2): 12-17, 66-68. 2700 Earl Rudder freeway South, Suite 1800, College Station, Texas 77845 USA (E-mail: stickney2tamu.edu)
- 19388 - Effects of stocking density and feeding levels on growth and feed efficiency of Nile tilapia (*Oreochromis niloticus* L.) fry.** El-Sayed, A.F. 2001. *Aquacult. Res.* 33(8): 621-626. United Arab Emirates University, College of Food Systems, Department of Aridland Agriculture, Al Ain, United Arab Emirates (E-mail: elsayed@uaeu.ac.ae)
- 19389 - The effect of common carp, *Cyprinus carpio* (L.) and mrigal, *Cirrhinus mrigala* (Hamilton) as bottom feeders in major Indian carp polycultures.** Wahab, M.A.; Rahman, M.M.; Milstein, A. 2002. *Aquacult. Res.* 33(8): 547-556. Write to: A. Milstein, Fish and Aquaculture Research Station, Dor, M.P. Hof HaCarmel, 30820 Israel (E-mail: anamilst@netvision.net.il)
- 19390 - Proteolytic enzyme activity of juvenile Asian sea bass, *Lates calcarifer* (Bloch), is increased with protein intake.** Eusebio, P.S.; Coloso, R.M. 2002. *Aquacult. Res.* 33(8): 569-574. Southeast Asian Fisheries Development Center, Aquaculture Department, Tigbauan, Iloilo 5021, Philippines (E-mail: pse@aqd.seafdec.org.ph)
- 19391 - Tilapia papers presented at Aquaculture America 2002.** Alceste, C.C. 2002. *Aquacult. Mag.* 28(2): 70-74.
- 19392 - Fisheries monitoring, control and surveillance: some management concerns.** Everett, G.V.; Yadava, Y.S. 2001. *Bay of Bengal News* 39(1): 5-7. Food and Agriculture Organization of the United Nations, Fishery Policy and Planning Division, Rome, Italy.
- 19393 - Safety at sea for small-scale fishermen in Bangladesh.** Alam, M.S. 2001. *Bay of Bengal News* 39(1): 8-10. Ministry of Fisheries and Livestock, Government of the People's Republic of Bangladesh.
- 19394 - Safety at sea for small-scale fishermen in India.** Chowdhury, N. 2001. *Bay of Bengal News* 39(1): 11-13. Department of Animal Husbandry & Dairying, India.
- 19395 - Safety at sea for small-scale fishermen in Malaysia.** Ismail, A. 2001. *Bay of Bengal News* 39(1): 14-15. Department of Fisheries, Resource and Management Division, Kuala Lumpur, Malaysia.
- 19396 - Assuring safety at sea in the Maldives.** Jameel, J. 2001. *Bay of Bengal News* 39(1): 16. Ministry of Fisheries, Agriculture and Marine Resources, Maldives.
- 19397 - Search and rescue - hypothetical drifting patterns of Sri Lankan fishing boats.** Sivasubramaniam, K. 2001. *Bay of Bengal News* 39(1): 17-22.
- 19398 - Safety at sea for fishermen and the role of the FAO.** Petursdottir, G.; Turner, J.M.M. 2001. *Bay of Bengal News* 39(1): 23-28. University of Iceland, Fisheries Research Institute, Iceland.
- 19399 - Attitudes toward participation in cooperative coastal management: four European case studies.** Davos, C.A.; Jones, P.J.S.; Side, J.C.; Siakavara, K. 2002. *Coast. Manage.* 30(3): 209-220. Write to: P.J.S. Jones, University College London, Department of Geography, Remax House, 31-32 Alfred Place, London WC1E 7DP, England (E-mail: p.j.jones@ucl.ac.uk)
- 19400 - Biology of a seahorse species, *Hippocampus comes* in the central Philippines.** Perante, N.C.; Pajaro, M.G.; Meeuwig, J.J.; Vincent, A.C.J. 2002. *J. Fish. Biol.* 60(4): 821-837. Write to: A. C. J. Vincent, Project Seahorse-Department of Biology, McGill University, 1205 Ave. Dr. Penfield, Montreal, Quebec, H3A 1B1, Canada (E-mail: amanda_vincent@maclean.mcgill.ca)
- 19401 - The tilapiine fish stock of Lake Victoria before and after the Nile perch upsurge.** Goudswaard, P.C.; Witte, F.; Katunzi, E.F.B. 2002. *J. Fish. Biol.* 60(4): 838-856. Write to: F. Witte, University of Leiden, Institute of Evolutionary and Ecological Sciences, P.O. Box 9516, 2300 RA Leiden, Netherlands (E-mail: Witte@ruisfb.leidenuniv.nl)
- 19402 - Comparative efficiency of clove oil and rotenone for sampling tropical reef fish assemblages.** Ackerman, J.L.; Bellwood, D.R. 2002. *J. Fish. Biol.* 60(4): 893-901. James Cook University, Department of Marine Biology, Queensland 4811, Australia (E-mail: jh.ackerman@jcu.edu.au)
- 19403 - Serial patterns of biodiversity change in corals across shallow reef flats in Ko Phuket, Thailand, due to the effects of local (sedimentation) and regional (climatic) perturbations.** Brown, B.E.; Clarke, K.R.; Warwick, R.M. 2002. *Mar. Biol.* 141(1): 21-29. University of Newcastle, Department of Marine Sciences & Coastal Management, Newcastle upon Tyne NE1 7RU, UK (E-mail: 101515.1267@compuserve.com)
- 19404 - Feeding and absorption of the toxic dinoflagellate *Alexandrium tamarense* by two marine bivalves from the South China Sea.** Li, S.C.; Wang, W.X.; Hsieh, D.P.H. 2001. *Mar. Biol.* 139(4): 617-624.
- 19405 - Short-term temporal variations in taxonomic composition and trophic structure of a tropical estuarine fish assemblage.** Wilson, J.P.; Sheaves, M. 2001. *Mar. Biol.* 139(4): 787-796. James Cook University, Department of Marine Biology & Aquaculture, Townsville, Queensland 4811, Australia (E-mail: jane.wilson@jcu.edu.au)
- 19406 - Tolerance to high temperatures and potential impact of sea warming on reef fishes of Gorgona Island (tropical eastern Pacific)** Mora, C.; Ospina, A.F. 2001. *Mar. Biol.* 139(4): 765-769. Universidad del Valle, Departamento de Biología, Apartado Aereo 1281 Palmira, Colombia (E-mail: moracamilo@hotmail.com)
- 19407 - Population genetics of the fissiparous holothurians *Stichopus chloronotus* and *Holothuria atra* (Aspidochirotida): a comparison between the Torres Strait and La Reunion.** Uthicke, S.; Conand, C.; Benzie, J.A.H. 2001. *Mar. Biol.* 139(2): 257-269. Australian Institute of Marine Science, PMB no. 3, Townsville, Queensland 4810, Australia (E-mail: S.Uthicke@aims.gov.au)
- 19408 - Carbon and nitrogen stable isotope ratios of subtidal benthic invertebrates in an estuarine mangrove ecosystem (Andhra Pradesh, India)** Bouillon, S.; Raman, A.V.; Dauby, P.; Dehairs, F. 2002. *Estuar. Coast. Shelf. Sci.* 54(5): 901-913. Vrije Universiteit Brussel, Department of Analytical & Environmental Chemistry, Mangrove Management Group, Pleinlaan 2, B-1051 Brussels, Belgium (E-mail: steven.bouillon@vu.b.ac.be)
- 19409 - Archives of the Bay of Bengal Programme: 1979 - 2000: vol 1 & 2.** 2001. Chennai, India. Bay of Bengal Programme. 2 CD-ROMs. SH216.4 B39 1979/2000.
- 19410 - A study of *Hydrocynus vittatus*, Castelnau in Lake Kariba, Zimbabwe.** Mhlanga, V.W. 2000. *Afr. J. Trop. Hydrobiol. Fish.* 19(1/2): 25-36. R 2002-14.
- 19411 - Fisheries in Yonki Reservoir, Papua New Guinea.** van der Heijden, P.G.M. 2002. *Sci. New Guinea* 27(1/3): 120-130. R 2002-15.
- 19412 - The artisanal fishery in the Sepik-Ramu catchment area, Papua New Guinea.** van der Heijden, P.G.M. 2002. *Sci. New Guinea* 27(1/3): 101-119. R 2002-16.
- 19413 - Monitoring of corals, bleaching and protected areas on the Great Barrier Reef.** Oliver, J.; Berkelmans, R. Coral bleaching and marine protected areas: proceedings of the workshop on mitigating coral bleaching impact through MPA design, Bishop Museum, Honolulu, HI May 29-31 2001. p. 72-81. Write to: WorldFish Center, PO Box 500, GPO, 10670 Penang, Malaysia (E-mail: worldfishcenter@cgjar.org) QH541.5 C7C67 2001.
- 19414 - Informal insurance and sustainable management of common-pool marine resources in Ha'apai, Tonga.** Bender, A.; Kagi, W.; Mohr, E. 2002. *Econ. Dev. Cult. Change* 50(2): 427-439. University of Freiburg, Department of Psychology, Germany.
- 19415 - Avoiding conflicts over Africa's water resources.** Ashton, P.J. 2002. *Ambio* 31(3): 236-242. CSIR, Division of Water, Environment & Forestry Technology, P.O. Box 395, Pretoria 0001, South Africa.
- 19416 - Diversity and community structure of symbiotic dinoflagellates from Caribbean coral reefs.** Lajeunesse, T.C. 2002. *Mar. Biol.* 141(2): 387-400. University of Georgia, Department of Botany, Plant Sciences Building, Athens, GA 30602, USA (E-mail: lajeunes@dogwood.botany.uga.edu)
- 19417 - Low cost light traps for coral reef fishery research and sustainable ornamental fisheries.** Watson, M.; Power, R.; Simpson, S.; Munro, J.L. 2002. *NAGA* 25(2): 4-7. Write to: WorldFish Center, PO Box 500 GPO, 10670 Penang, Malaysia (E-mail: worldfishcenter@cgjar.org)
- 19418 - Effect of diazinon 60 EC on *Anabas testudineus*, *Channa punctatus* and**

- Barbodes gonionotus*. Rahman, M.Z.; Hossain, Z.; Mollah, M.F.A.; Ahmed, G.U. 2002. NAGA 25(2): 8-12. Bangladesh Agricultural University, Department of Fisheries Biology & Genetics, Mymensingh-2202, Bangladesh.
- 19419 - Heterogeneous individual growth of *Macrobrachium rosenbergii* male morphotypes.** Ranjeet, K.; Kurup, B.M. 2002. NAGA 25(2): 13-18. Cochin University of Science and Technology, School of Industrial Fisheries, Fine Arts Avenue, Kochi - 682 016, India.
- 19420 - Consumption to biomass (Q/B) ratio and estimates of Q/B-predictor parameters for Caribbean fishes.** Garcia, C.B.; Duarte, L.O. 2002. NAGA 25(2): 19-31. Universidad Nacional/Invemar, A.A. 1016, Santa Marta, Colombia (E-mail: cgarcia@invemar.org.co)
- 19421 - Signboards as an aquaculture extension tool in Bangladesh.** Morrice, C.; Karim, R. 2002. NAGA 25(2): 32-34. SUFER Project, 4th Floor, University Grants Commission of Bangladesh, Agargaon, Dhaka-1207, Bangladesh (E-mail: chris.sufer@fmsbd.org)
- 19422 - Genetic analysis of immunological traits in tilapia.** Cnaani, A.; Ron, M.; Seroussi, E.; Hulata, G. 2002. NAGA 25(2): 40-41. Agricultural Research Organization, Department of Aquaculture, Institute of Animal Science, Bet Dagan, Israel.
- 19423 - Azadirachtin - an immunostimulant for *Oreochromis mossambicus* (Peters)** Logambal, S.M.; Dinakaran Michael, R. 2001. J. Aquac. Trop. 16(4): 339-347.
- 19424 - Incidence of B-haemolytic streptococcal infection associated with mass mortalities of cultured tilapia, *Oreochromis mossambicus* in brackish water ponds in India.** Mukhi, S.K.; Chandrika, V.; Madhavi, B.; Nayak, B.B. 2001. J. Aqua. Trop. 16(4): 373-383. Central Institute of Fisheries Education, 7-Bungalows, Versova, Andheri West, Mumbai-61, India (E-mail: sandeepm33@hotmail.com)
- 19425 - Water and soil profile of mangrove and non-mangrove habitats in relation to shrimp farming on the Sundarbans, south-west Bangladesh.** Hoq, M.E.; Ahmed, S.U.; Islam, M.L.; Kawser, M.R.; Islam, M.N.; Wahab, M.A. 2001. J. Aqua. Trop. 16(4): 413-428.
- 19426 - Integrating fish and azolla into rice-duck farming in Asia.** Caquauan, A.G.; Branckaert, R.D.; van Hove, C. 2000. NAGA 23(1): 4-10. Central Luzon State University, Freshwater Aquaculture Center, Munoz, Nueva Ecija, Philippines.
- 19427 - Floating islands: a unique fish aggregating method.** Suresh, V.R. 2000. NAGA 23(1): 11-13. ICAR Research Complex for North Eastern Hill Region, Manipur Centre, Imphal - 795 004, India.
- 19428 - River-based artificial propagation of the African catfish *Clarias gariepinus*: an option for the small fish farmer.** Charo, H.; Oirere, W. 2000. NAGA 23(1): 14-16. KMFRI-Sangoro Research Centre, P.O. Box 136, Pap-Onditi, Kenya.
- 19429 - Bioconversion efficiency and growth in the white shrimp *Penaeus indicus* (Milne Edwards), fed with decomposed mangrove leaves.** Athithan, S.; Ramadhas, V. 2000. NAGA 23(1): 17-18. Fisheries College and Research Institute, Tuticorin - 628 008, India.
- 19430 - Length-weight relationship of marine fishes from southern Brazil.** Haimovici, M.; Velasco, G. 2000. NAGA 23(1): 19-23. Depto. Oceanografia, FURG. Cx.P. 474, Rio Grande RS, Brazil, 96201-900 (E-mail: docmhm@super.furg.br)
- 19431 - Adaptive response of Peruvian Hake to overfishing.** Mendo, C.W.; Carrasco, R.G. 2000. NAGA 23(1): 24-28. Parque Bartolome Herrera 190, Lima 32 -Peru.
- 19432 - The marine fisheries of Jamaica.** Aiken, K.; Kong, G.A. 2000. NAGA 23(1): 29-35. University of the West Indies, Department of Life Sciences, Mona Campus (E-mail: kaaike n@mail.infochan.com)
- 19433 - Reviving the *Macrobrachium rosenbergii* (de Man) fishery in Vembanad Lake, India.** Kurup, B.M.; Hari Krishnan, M. 2000. NAGA 23(2): 4-9. Cochin University of Science and Technology, School of Industrial Fisheries, Cochin - 682 016, India.
- 19434 - Evaluation of the carcass and commercial characteristics of carps.** Sahu, B.B.; Meher, P.K.; Mohanty, S.; Reddy, P.V.G.K.; Ayyappan, S. 2000. NAGA 23(2): 10-14. Central Institute of Freshwater Aquaculture, Kausalyaganga, 751002, Bhubaneswar, Orissa, India.
- 19435 - Influence of nutrient source on specific dynamic action of Pearl Spot, *Etropilus suratensis* (Bloch).** Somanath, B.; Palavesam, A.; Lazarus, S.; Ayyappan, M. 2000. NAGA 23(2): 15-17. Manonmaniam Sundaranar University, Institute for Coastal Area Studies, Scott Christian College Campus, Nagercoil - 629003 Tamilnadu, India.
- 19436 - Effects of photoperiod on growth of larvae and juveniles of the anemonefish *Amphiprion melanopus*.** Arvedlund, M.; McCormick, M.I.; Ainsworth, T. 2000. NAGA 23(2): 18-23. James Cook University, Department of Marine Biology, Townsville 4811 QLD Australia.
- 19437 - Some reproductive aspects of *Chrysoichthys nigrodigitatus* (Lacépède) from Cross River, Nigeria.** Ekanem, S.B. 2000. NAGA 23(2): 24-28. University of Calabar, Department of Biological Sciences, P.M.B., 1115, Calabar, Nigeria.
- 19438 - Length-weight relationships for some important forage crustaceans from South Africa.** Richardson, A.J.; Lamberts, C.; Isaacs, G.; Moloney, C.L.; Gibbons, M.J. 2000. NAGA 23(2): 29-33. University of the Western Cape, Zoology Department, Private Bag X17, Bellville 7535, South Africa.
- 19439 - Length-weight relationship and relative condition of *Heterobranchius longifilis* (Valenciennes) from Idodo River, Nigeria.** Anibeze, C.I.P. 2000. NAGA 23(2): 34-35. University of Nigeria, Department of Zoology, Nsukka, Nigeria.
- 19440 - Beel fisheries of Assam - community-based co-management imperative.** Baruah, U.K.; Bhagowati, A.K.; Talukdar, R.K.; Saharia, P.K. 2000. NAGA 23(2): 36-38. Assam Agricultural University, Fisheries Research Centre, Jorhat - 785 013, Assam, India.
- 19441 - Women in fisheries: pointers for development.** Williams, M.J. 2002. Penang, Malaysia. ICLARM - The World Fish Center. Global Symposium on Women in Fisheries: Sixth Asian Fisheries Forum, 29 November 2001, Kaohsiung, Taiwan. p. vii-xv. Write to: WorldFish Center, PO Box 5000, GPO, 10670 Penang, Malaysia (E-mail: worldfishcenter@cgjar.org) SH207 CP6G56 2002.
- 19442 - From women in fisheries to gender and fisheries.** Williams, M.J.; Williams, S.B.; Choo, P.S. 2002. Penang, Malaysia. ICLARM - The World Fish Center. Global Symposium on Women in Fisheries: Sixth Asian Fisheries Forum, 29 November 2001, Kaohsiung, Taiwan. p. 13-18. Write to: WorldFish Center, PO Box 5000, GPO, 10670 Penang, Malaysia (E-mail: worldfishcenter@cgjar.org) SH207 CP6G56 2002.
- 19443 - Mortality, growth and reproduction in scleractinian corals following bleaching on the Great Barrier Reef.** Baird, A.H.; Marshall, P.A. 2002. Mar. Ecol. (Prog. Ser.) 237: 133-141. University of the Ryukyus, Faculty of Science, Laboratory of Cell and Functional Biology, Nishihara, Okinawa 903-0213, Japan (E-mail: anbaird@sci.u-ryukyuu.ac.jp)
- 19444 - Propagate dispersal of the SE Asian seagrasses *Enhalus acoroides* and *Thalassia hemprichii*.** Lacap, C.D.A.; Vermaat, J.E.; Rollon, R.N.; Nacorda, H.M. 2002. Mar. Ecol. (Prog. Ser.) 235: 75-80. Write to J. E. Vermaat, Vrije Universiteit, Institute for Environmental Studies, De Boelelaan 1087, 1081 HV Amsterdam, The Netherlands (E-mail: jan.vermaat@ivm.vu.nl)
- 19445 - The dark side of reference points.** Hilborn, R. 2002. Bull. Mar. Sci. 70(2): 403-408. University of Washington, School of Aquatic & Fishery Sciences, Box 355020, Seattle, Washington 98195, USA.
- 19446 - Production of hybrid red tilapia, *Oreochromis mossambicus* x *O. niloticus*, at varying stocking densities in portable canvas tanks.** Hashim, R.; Chong, A.S.C.; Fatan, N.A.; Layman, N.; Ali, A. 2002. J. Appl. Aquacult. 12(3): 1-12. Universiti Sains Malaysia, School of Biological Sciences, 11800 Penang, Malaysia.
- 19447 - Digestibility coefficients of raw and processed lima bean diet for Nile tilapia, *Oreochromis niloticus*.** Adeparusi, E.O.; Jimoh, W.A. 2002. J. Appl. Aquacult. 12(3): 89-97. Federal University of Technology, Department of Fisheries & Wildlife, Akure, Nigeria.
- 19448 - Growth, nutrient utilization, and tissue biochemical changes in Rohu, *Labeo rohita*, fed with natural and prepared diets.** Mitra, G.; Mukhopadhyay, P.K. 2002. J. Appl. Aquacult. 12(3): 65-80. Central Institute of Freshwater Aquaculture, Kausalyaganga, Bhubaneswar-751 002, India.
- 19449 - Reading the perfect storm.** Salagrama, V.; Murty, D.S. 2002. Samudra (32): 27-31. Integrated Coastal Management, Kakinada, India (E-mail: sujata@hd2.dot.net.in)
- 19450 - Technical efficiency of the driftnet and payang seine (lampara) fisheries in west Sumatra, Indonesia.** Zen, L.V.V.; Abdullah, N.M.R.; Yew, T.S. 2002. Asian Fish. Sci. 15(2): 97-106.
- 19451 - Population dynamics and stock assessment of Hilsa Shad, *Tenualosa ilisha* in Bangladesh.** Nurul Amin, S.M.; Rahman, M.A.; Haldar, G.C.; Mazid, M.A.; Milton, D. 2002. Asian Fish. Sci. 15(2): 123-128. Bangladesh Fisheries Research Institute, Riverine Station, Chandpur-3602, Bangladesh.
- 19452 - Farm size and aquaculture productivity relationship.** Roy, A.K.; Sahoo, K.N.; Saradhi, K.P.; Saha, G.S. 2002. Asian Fish. Sci. 15(2): 129-134. Central Institute of Freshwater Aquaculture, Technology Evaluation & Transfer Division, Kausalyaganga, Bhubaneswar - 751002, India.
- 19453 - Water quality and planktonological approach to monitor eutrophication by cage-culture of red tilapia (*Oreochromis* sp.) at the Sermo reservoir, Yogyakarta, Indonesia.** 2002. Asian Fish. Sci. 15(2): 135-144. Gadjah Mada University, Faculty of Agriculture, Department of Fisheries, Indonesia.

- 19454 - Vitamin C (ascorbyl 2 polyphosphate) requirement of freshwater prawn *Macrobrachium rosenbergii* (de Man)** Hari, B.; Kurup, B.M. 2002. *Asian Fish. Sci.* 15(2): 145-154. Cochin University of Science and Technology, School of Industrial Fisheries, Fine Arts Avenue, PB. No. 1791, Cochin Pin. 682 016, India.
- 19455 - Estimation of population parameters and stock assessment of *Penaeus indicus* (H. Milne Edwards) in the western coastal waters of Sri Lanka.** Jayawardane, P.A.A.T.; McLusky, D.S.; Tytler, P. 2002. *Asian Fish. Sci.* 15(2): 155-166. National Aquatic Resources Research and Development Agency, Marine Biological Resources Division, Crow Island, Mattakkuliya, Colombo 15, Sri Lanka.
- 19456 - The nutritive value of palm kernel meal and the effect of enzyme supplementation in practical diets for red hybrid tilapia (*Oreochromis* sp.)** Ng, W.K.; Chong, K.K. 2002. *Asian Fish. Sci.* 15(2): 167-176. Universiti Sains Malaysia, School of Biological Sciences, Fish Nutrition Laboratory, Penang 11800, Malaysia.
- 19457 - Status of Philippine coral reef fisheries.** Alcalá, A.C.; Russ, G.R. 2002. *Asian Fish. Sci.* 15(2): 177-192. Silliman University, SUAACREM, Marine Laboratory, Dumaguete City 6200, Philippines.
- 19458 - Digestibility and feeding value of some feed ingredients fed to tilapia *Oreochromis niloticus* (L.)** Maina, J.G.; Beames, R.M.; Higgs, D.; Mbugua, P.N.; Iwama, G.; Kisia, S.M. 2002. *Aquacult. Res.* 33(11): 853-862. University of Nairobi, College of Agriculture and Veterinary Sciences, Department of Animal Production, PO Box 29053, Nairobi, Kenya (E-mail: jmaina@clubint.ernetk.com)
- 19459 - The 1998 bleaching event and its aftermath on a coral reef in Belize.** Aronson, R.B.; Precht, W.F.; Toscano, M.A.; Koltes, K.H. 2002. *Mar. Biol.* 141(3): 435-447. Dauphin Island Sea Lab, 101 Bienville Boulevard, Dauphin Island, AL 36528, USA (E-mail: aronson@disl.org)
- 19460 - Studies on pigments, proteins and photosynthetic rates in some mangroves and mangrove associates from Bhitarkanika, Orissa.** Das, A.B.; Parida, A.; Basak, U.C.; Das, P. 2002. *Mar. Biol.* 141(3): 415-422. National Institute for Plant Biodiversity, Conservation and Research, Nayapalli, Bhubaneswar 751015, Orissa, India.
- 19461 - Nutritional evaluation of dhaincha (*Sesbania aculeata*) seeds as dietary protein source for tilapia *Oreochromis niloticus*.** Hossain, M.A.; Focken, U.; Becker, K. 2002. *Aquacult. Res.* 33(9): 653-662. Write to K. Becker: Department of Animal Nutrition & Aquaculture, Institute for Animal Production in the Tropics and Sub-tropics (480), University of Hohenheim, D-70599 Stuttgart, Germany (E-mail: kbecker@uni-hohenheim.de)
- 19462 - Characterization of protease activity in developing discus *Symphysodon aequifasciata* larva.** Chong, A.; Hashim, R.; Lee, L.C.; Ali, A. 2002. *Aquacult. Res.* 33(9): 663-672. Universiti Sains Malaysia, School of Biological Sciences, 11800, Minden, Penang, Malaysia.
- 19463 - A description of the ovarian development stages of penaeid shrimps from the coast of Pakistan.** Ayub, Z.; Ahmed, M. 2002. *Aquacult. Res.* 33(10): 767-776. University of Karachi, Centre of Excellence in Marine Biology, Karachi-75270, Pakistan (E-mail: zarrien@sat.net.pk)
- 19464 - Water quality and plankton densities in mixed shrimp-mangrove forestry farming systems in Vietnam.** Johnston, D.; Lourey, M.; Van Tien, D.; Luu, T.T.; Xuan, T.T. 2002. *Aquacult. Res.* 33(10): 785-798. University of Tasmania, Tasmanian Aquaculture & Fisheries Institute, School of Aquaculture, Launceston, Tasmania 7250, Australia (E-mail: danielle.johnston@utas.edu.au)
- 19465 - Up against trawling.** Zamansyah, T. 2000. *Samudra* (25): 3-6. Sarekat Nelayan Sumatera Utara, North Sumatra, Indonesia.
- 19466 - oneFish, many users.** Bostock, T.; Baron, J.; Searle, G. 2000. *Samudra* (25): 37-40. The oneFish Community Directory is a new web-based tool for researchers and academics working in the area of fisheries. FAO Fisheries Department, oneFish Project, Support Unit for International Fisheries & Aquatic Research, Viale delle Terme di Caracalla, Rome 00100, Italy.
- 19467 - Only partnerships work.** McConney, P. 2000. *Samudra* (25): (10-13) Fisheries Division, Barbados (E-mail: fishbarbados@caribsurf.com)
- 19468 - Mechanization aho!** Amarasinghe, O. 2000. *Samudra* (25): 46-49. University of Ruhuna, Faculty of Agriculture, Sri Lanka (E-mail: oscamara@dyanet.lk)
- 19469 - Thai boxing.** Mathew, S. 1999. *Samudra* (23): 49-53. International Collective in Support of Fishworkers, 27 College Road, Chennai 600 006, India (E-mail: icsf@vsnl.com)
- 19470 - Beyond the veil.** Jentoft, S. 1999. *Samudra* (23): 3-6. University of Tromsø, Institute of Planning and Community Studies, Norway.
- 19471 - What do fishermen really think?** Bennett, E. 1999. *Samudra* (23): 9-13. University of Portsmouth, Centre for the Economics and Management of Aquatic Resources, UK.
- 19472 - Coastal resources for whom?** Copes, P. 1999. *Samudra* (23): 14-19.
- 19473 - Comparisons of two reef sites in the Wakatobi Marine National Park (SE Sulawesi, Indonesia) using digital image analysis.** James, M.; Crabbe, C.; Smith, D.J. 2002. *Coral Reefs* 21(3): 242-244. University of Reading, School of Animal & Microbial Sciences, Whiteknights, Reading RG6 6AJ, UK (E-mail: m.j.c.crabbe@rdg.ac.uk)
- 19474 - Recovery of the Apo Island Marine Reserve, Philippines, 2 years after the El Nino bleaching event.** Raymundo, L.J. 2002. *Coral Reefs* 21(3): 260-261. Silliman University Marine Laboratory, Dumaguete City 6200, Philippines (lauriejr@dgte.mozcom.com)
- 19475 - Experience shapes the susceptibility of a reef coral to bleaching.** Brown, B.E.; Dunne, R.P.; Goodson, M.S.; Douglas, A.E. 2002. *Coral Reefs* 21(2): 119-126. University of Newcastle, Department of Marine Sciences & Coastal Management, Newcastle upon Tyne, NE1 7RU, UK (E-mail: 101515.1267@compuserve.com)
- 19476 - Global fish trade enjoys a boom.** Josupeit, H. 2002. *INFOFISH Int.* (4): 8-10. Food and Agriculture Organization of the United Nations, FIUU, Rome, Italy.
- 19477 - The Latin American shrimp industry- down but not out.** Ros, J.S.C. 2002. *INFOFISH Int.* (4): 18-23. INFOPECSA, Casilla de Correo 7086, Correo Central, Montevideo, Uruguay.
- 19478 - Guppy culture thrives in Israel.** Itzkovich, J. 2002. *INFOFISH Int.* (4): 45-47.
- 19479 - Formation of biofilms and their significance in marine fouling.** Rajesh, K.M.; Mdsendon, M.R.; Gupta, T.R.C.; Naik, A.T.R. 2002. *INFOFISH Int.* (4): 66-69. College of Fisheries, Mangalore, Karnataka, India.
- 19480 - Perceptions of Cambodian fishers about community fisheries.** Somony, T. 2002. *Catch and Culture* 7(3): 3-7.
- 19481 - Underwater biotelemetry to study fish migrations in the Mekong River.** Hogan, Z.; Kong, H.; van Zalinge, N. 2002. *Catch and Culture* 7(3): 11-15.
- 19482 - *Probarbus* - a genus of the Cyprinidae family.** Anon. 2002. *Catch and Culture* 7(3) Suppl. 16 : 2 p.
- 19483 - Monitoring of deep pools in the Mekong River: the potential of hydro-acoustic methods.** Kolding, J.; Viravong, S.; Phounsavath, S.; Phoththitai, C.; Jensen, S.S.; Warren, T. 2002. *Catch and Culture* 7(4): 3-6.
- 19484 - The genus *Tor* - a potential for sports fishing and ecotourism in the Mekong Basin?** Anon. 2002. *Catch and Culture* 7(4) Suppl. 17 : 2 p.
- 19485 - Shrimp farms or shrimp harm.** Goss, J. 2000. *Samudra* (26): 33-35.
- 19486 - Effects of pig manure on the growth rate of *Oreochromis niloticus* under integrated fish cum pig farming system.** Ansa, E.J.; Jiya, J. 2002. *J. Aquat. Sci.* 17(2): 85-87. Ministry of Agriculture, Fisheries Division, Minna, Nigeria.
- 19487 - Toxicity of cassava (*Manihot esculenta* Crantz) effluent on the Nile tilapia, *Oreochromis niloticus* (L) under laboratory conditions.** Wade, J.W.; Omoregie, E.; Ezenwaka, I. 2002. *J. Aquat. Sci.* 17(2): 89-94. University of Jos, Dept. Zoology, Applied Hydrobiology and Fisheries Research Unit.
- 19488 - Lethal effects of the detergent, Elephant Blue on the Nile tilapia, *Oreochromis niloticus* (L.).** Anunobi, C.A.I.N.O.; Ufodike, E.B.C.; Chude, L.A. 2002. *J. Aquat. Sci.* 17(2): 95-97. Michael Okpara University of Agriculture, Department of Fisheries, Umudike, Nigeria.
- 19489 - Identification of *Oreochromis niloticus* (Linnaeus, 1758) and *Tilapia zillii* (Gervais, 1848) using isoelectric focusing (IEF).** Anyanwu, A.O.; Ajado, E.; Ebonwu, B. 2002. *J. Aquat. Sci.* 17(2): 125-127. Nigerian Institute for Oceanography and Marine Research Victoria Island, Lagos, Nigeria.
- 19490 - The effects of parasitism on the protein and fatty acids content of the Nile tilapia, *Oreochromis niloticus* and African catfish, *Clarias gariepinus* (Teugals) in River Kaduna, Nigeria.** Onusiriuka, B.C. 2002. *J. Aquat. Sci.* 17(2): 128-130. Nigerian Defence Academy, Dept. Biological Sciences.
- 19491 - A comparative study of gut helminths of *Tilapia zillii* and *Clarias gariepinus* from River Upe, Plateau State, Nigeria.** Yakubu, D.P.; Omoregie, E.; Wlade, J.W.; Faringoro, D.U. 2002. *J. Aquat. Sci.* 17(2): 137-139. University of Jos, Dept. Zoology, Jos, Nigeria.
- 19492 - Improving developing country food security through aquaculture development - lessons from Asia.** Ahmed, M.; Lorica, M.H. 2002. *Food Policy* 27: 125-141. Write to: WorldFish Center, PO Box 500, GPO, 10670 Penang, Malaysia (E-mail: worldfishcenter@cgiar.org) R 2002-37.
- 19493 - Coral reef fish assessment in the "coral triangle" of southeastern Asia.** Allen, G.R.; Werner, T.B. 2002. *Environ. Biol. Fish.* 65(2): 209-214. Conservation International, 2501 M Street, NW, Suite 20037, Washington, D.C. 20037, USA (E-mail:

- fish@multiline.com.au)
- 19494 - Aquaculture and the future: why fisheries economists should care.** Anderson, J.L. 2002. Mar. Resour. Econ. 17(2): 133-151. University of Rhode Island, Department of Environment & Natural Resource Economics, Kingston, RI 02881 USA (E-mail: jla@uri.edu)
- 19495 - Tilapia: both fish and fowl?** Young, J.A.; Muir, J.F. 2002. Mar. Resour. Econ. 17(2): 163-173. University of Stirling, Department of Marketing, Scotland (E-mail: j.a.young@stir.ac.uk)
- 19496 - Complete replacement of fish meal by soybean meal with dietary L-lysine supplementation for Nile tilapia *Oreochromis niloticus* (L.) fingerlings.** El-Saidy, D.M.S.D.; Gaber, M.M.A. 2002. J. World Aquacult. Soc. 33(3): 297-306. Write to: M. M. A. Gaber, National Institute of Oceanography and Fisheries, P.O. Bo 40 Shoubra, Cairo, Egypt.
- 19497 - Appropriate timing of supplemental feeding for production of Nile tilapia, silver carp, and common carp in fertilized polyculture ponds.** Abdelghany, A.A.; Ayyat, M.S.; Ahmad, M.H. 2002. J. World Aquacult. Soc. 33(3): 307-315. 12 Sakr-Korish, Apt. #23, Maadi El-Gadeda, Cairo, Egypt.
- 19498 - The potential impacts of global climate change on marine protected areas.** Soto, C.G. 2002. Rev. Fish Biol. Fish. 11(3): 181-195. Simon Fraser University, School of Resource & Environmental Management, 8888 University Drive, Burnaby, British Columbia, Canada V5A 1S6 (E-mail: csoto@sfu.ca)
- 19499 - Marine protected area strategies: issues, divergences and the search for middle ground.** Jones, P.J.S. 2002. Rev. Fish Biol. Fish. 11(3): 197-216. University College London, Department of Geography, Rema House, 31-32 Alfred Place, London WC1E 7DP, UK (E-mail: P.J.Jones@ucl.ac.uk)
- 19500 - Studies on fish heterosis with DNA fingerprinting.** Wang, J.; Xia, D. 2002. Aquacult. Res. 33(12): 941-947. Nanjing Normal University, College of Life Science, Institute of Fisheries Science, Nanjing, 210097, China (E-mail: mangjinke@263.net)
- 19501 - Effect of fish size and temperature on the utilization of different protein sources in two catfish species.** Usmani, N.; Jafri, A.K. 2002. Aquacult. Res. 33(12): 959-967. Aligarh Muslim University, Department of Zoology, Fish Nutrition Research Laboratory, Aligarh 202002, India (E-mail: usmaninazura@hotmail.com)
- 19502 - Growth performance and use of natural food by *Oreochromis niloticus* (L.) in polyculture systems with *Barbodes gonionotus* (Bleeker) and *Cyprinus carpio* (L.) in intensively cultivated rice fields.** Vromant, N.; Nam, C.Q.; Ollevier, F. 2002. Aquacult. Res. 33(12): 969-978. Catholic University of Leuven, Laboratory of Aquatic Ecology, Ch. de Beriotstraat 32, B-3000 Leuven, Belgium (E-mail: aquabio@bio.kuleuven.ac.be)
- 19503 - Integrated aquaculture in Sub-Saharan Africa.** Brummett, R.E. 1999. Environ. Dev. Sustain. 1(3/4): 315-321. Write to: WorldFish Center, PO Box 500, GPO, 10670 Penang, Malaysia (E-mail: worldfishcenter@cgjar.org) HC79 E5E58.
- 19504 - Nursery rearing of the Asian catfish, *Clarias macrocephalus* (Günther), at different stocking densities in cages suspended in tanks and ponds.** Bombeo, R.F.; Fermin, A.C.; Tan-Fermin, J.D. 2002. Aquacult. Res. 33(13): 1031-1036. Write to: A. C. Fermin, SEAFDEC Aquaculture Department, Tigbauan 5021, Iloilo, Philippines.
- 19505 - Environmental effects of common carp *Cyprinus carpio* (L.) and mrigal *Cirrhinus mrigala* (Hamilton).** Milstein, A.; Wahab, M.A.; Rahman, M.M. 2002. Aquacult. Res. 33(14): 1103-1117. Fish and Aquaculture Research Station, Dor, M.P. Hof HaCarmel, 30820 Israel (E-mail: anamilst@netvision.net.il)
- 19506 - Evaluation of fisheries management in the tropics: perceptions of fisher groups in regions containing marine protected areas in the Philippines and Australia.** Cuenco, M.L. 2000. xxi, 261 p. Unpublished Dissertation (Ph.D.) - James Cook University of North Queensland. SH210 2000 P52.
- 19507 - Further studies on the use of mixed feeding schedules with plant- and animal-based diets for common carp *Cyprinus carpio* (Linnaeus).** Nandeesh, M.C.; Gangadhar, B.; Maniserry, J.K. 2002. Aquacult. Res. 33(14): 1157-1162. Write to: J. K. Maniserry, College of Fisheries, Department of Aquaculture, Mangalore - 575 002, India (E-mail: maniserry@rediffmail.com)
- 19508 - Growth and physiological changes in scaled carp and blue tilapia under behavioral stress in mono- and polyculture rearing using a recirculated water system.** Papoutsoglou, S.E.; Miliou, H.; Karakatsouli, N.P.; Tzitzinakis, M.; Chadio, S. 2001. Aquacult. Int. 9(6): 509-518.
- 19509 - Small scale fish trade in West Africa - prospects for expansion.** Tall, A. 2002. INFOFISH Int. (2): 12-16. INFOPECHE, BP 1747, Abidjan 01, Cote d'Ivoire, Africa (E-mail: tall@africaonline.co.ci)
- 19510 - Biofilms in aquaculture - potentials and pitfalls.** Balareddy, B.; Das, B.K.; Ayyappan, S. 2002. INFOFISH Int. (2): 22-25. Central Institute of Freshwater Aquaculture, Bhubaneswar, India.
- 19511 - Sustainable shrimp farming: issues and non-issues.** Chamberlain, G. 2002. INFOFISH Int. (2): 26-33. "An edited version of G. Chamberlain presentation at SHRIMP 2001 held in Chennai, India from 28-30 September 2001"
- 19512 - Ghana's experience in community-based management of artisanal fisheries.** Lenselink. 2002. INFOFISH Int. (2): 58-61. Food and Agricultural Organization of the United Nations, Viale delle Terme di Caracalla, 00100 Rome, Italy.
- 19513 - Microsatellite DNA markers for genetic mapping in *Oreochromis niloticus*.** Lee, W.J.; Kocher, T.D. 1996. J. Fish Biol. 49(1): 169-171. Write to: T. D. Kocher, University of New Hampshire, Dept. Zoology, Durham, NH 03824, USA (E-mail: tdk@hopper.unh.edu)
- 19514 - Growth and production performances of gift strain of Nile tilapia, *Oreochromis niloticus* L., in ponds and cages under different farming conditions in Bangladesh.** Hussain, M.G.; Kohinoor, A.H.M.; Islam, M.S.; Hossain, M.A.; Dey, M.M.; Mazid, M.A. 2000. J. Aqua. Trop. 15(3): 273-280. Write to: WorldFish Center, PO Box 500 GPO, 10670 Penang, Malaysia (E-mail: worldfishcenter@cgjar.org)
- 19515 - Proof of the successful development of Nile tilapia (*Oreochromis niloticus*) clones by DNA fingerprinting.** Jenneken, I.; Muller-Belecke, A.; Horstgen-Schwark, G.; Meyer, J.N. 1999. Aquaculture 173(1/4): 377-388. University of Göttingen, Institute for Animal Breeding & Genetics, Albrecht-Thaer-Weg 3, D-37075 Göttingen, Germany.
- 19517 - Monosex male production in finfish as exemplified by tilapia: applications, problems, and prospects.** Beardmore, J.A.; Mair, G.C.; Lewis, R.I. 2001. Aquaculture 197(1/4): 283-301. Asian Institute of Technology, Aquaculture and Aquatic Resources Management Group, PO Box 4, Klong Luang, Pathumthani 12120, Thailand.
- 19521 - Levels of inbreeding and relatedness in breeder stocks of Nile tilapia (*Oreochromis niloticus*) detected by microsatellite analysis.** Moreira, H.L.M.; Dellagostin, O.A.; Erdtmann, B. 2000. Rio de Janeiro, Brazil. Panorama da Aquicultura Magazine. Tilapia aquaculture in the 21st century: proceedings from the fifth International Symposium on Tilapia Aquaculture. p. 59-67. Universidade Estadual de Maringá, Departamento de Zootecnia, Maringá, PR, Brazil. SH167 T54T54 2000 v. 1.
- 19523 - Research on the genetics of aquatic organisms at the School of Biological Sciences, University of Wales Swansea.** Mair, G.C.; Beardmore, J.A. 2001. ICLARM Conf. Proc. (64): 151-159. SH207 CP6 #64.
- 19524 - Detection of genes with deleterious alleles in an inbred line of tilapia (*Oreochromis aureus*).** Palti, Y.; Shirak, A.; Hulata, G.; Avtalion, R.R.; Ron, M. 2002. Aquaculture 206(3/4): 151-164. Agricultural Research Organization, Institute of Animal Science, Volcani Center, P.O. Box 6, Bet Dagan 50250, Israel.
- 19525 - Cold tolerance of three strains of Nile tilapia, *Oreochromis niloticus*, in China.** Sifa, L.; Li, C.H.; Dey, M.; Gaglac, F.; Dunham, R. 2002. Aquaculture 213(1/4): 123-129. Write to: WorldFish Center, PO Box 500 GPO, 10670 Penang, Malaysia (E-mail: worldfishcenter@cgjar.org)
- 19526 - Influence of sexual phenotype and genotype, and sex ratio on growth performances in tilapia, *Oreochromis niloticus*.** Toguyeni, A.; Fauconneau, B.; Fostier, A.; Abucay, J.; Mair, G.; Baroiller, J.F. 2002. Aquaculture 207(3/4): 249-261. Université Polytechnique de Bobo-Dioulasso, Institut du Développement Rural, 01 BP 1091 Bobo-Dioulasso, Burkina Faso.
- 19528 - Sex determination and the feasibility of genetically male tilapia production in the Thai-Chitralada strain of *Oreochromis niloticus* (L.).** Tuan, P.A.; Mair, G.C.; Little, D.C.; Beardmore, J.A. 1999. Aquaculture 173(1/4): 257-269. Research Institute for Aquaculture No. 1, Dinh Bang, Tien Son, Bac Ninh, Vietnam (E-mail: patuan@fpt.vn)
- 19529 - Mendelian transmission, transgene dosage and growth phenotype in transgenic tilapia (*Oreochromis hornorum*) showing ectopic expression of homologous growth hormone.** Martinez, R.; Arenal, A.; Estrada, M.P.; Herrera, F.; Huerta, V.; Vazquez, J.; Sanchez, T.; de la Fuente, J. 1999. Aquaculture 173(1/4): 271-283. Write to: J. de la Fuente, Centro de Ingeniería Genética y Biotecnología, P.O. Box 6162, Havana, Cuba (E-mail: jose.delafuente@cigb.edu.cu)
- 19530 - Growth performance of transgenic tilapia containing an exogenous piscine growth hormone gene.** Rahman, M.A.; Maclean, N. 1999. Aquaculture 173(1/4): 333-346. University of Southampton, School of Biological Sciences, Bassett Crescent East, Southampton, SO16 7PX, UK.
- 19532 - The influence of turbidity on growth, feed conversion and survivorship of the Jamaica red tilapia strain.** Ardjosodiro, I.; Ramnarine, I.W. 2002. Aquaculture 212(1/4): 159-165. University of Suriname, Faculty of

- Technology, Paramaribo, Suriname.
- 19533 - Growth and hepatic lesions of Nile tilapia (*Oreochromis niloticus*) fed diets containing aflatoxin B1.** Nguyen, A.T.; Grizzle, J.M.; Lovell, R.T.; Manning, B.B.; Rottinghaus, G.E. 2002. *Aquaculture* 212(1/4): 311-319. Auburn University, Department of Fisheries & Allied Aquacultures, Auburn, Alabama Agricultural Experiment Sta., Auburn, AL 36849, USA.
- 19534 - Ontogenic development of the intestinal enzymes of cultured Nile tilapia, *Oreochromis niloticus* L.** Tengjaroenkul, B.; Smith, B.J.; Smith, S.A.; Chatreewongsin, U. 2002. *Aquaculture* 211(1/4): 241-251. Khon Kaen University, Faculty of Veterinary Medicine, Department of Medicine, Khon Kaen 40002, Thailand.
- 19535 - Comparison of African tilapia partial harvesting systems.** Brummett, R.E. 2002. *Aquaculture*: 214(1/4): 103-114. Write to: WorldFish Center, PO Box 500 GPO, 10670 Penang, Malaysia (E-mail: worldfishcenter@cgjar.org)
- 19536 - Susceptibility of Nile tilapia (*Oreochromis niloticus*) to vibriosis due to *Vibrio vulnificus* biotype 2 (serovar E).** Fouz, B.; Alcaide, E.; Barrera, R.; Amaro, C. 2002. *Aquaculture* 212(1/4): 21-30. Universidad de Valencia, Facultad de Biología, Departamento de Microbiología y Ecología, Burjassot, Valencia 46100, Spain.
- 19537 - Vitamin E sparing effect by dietary vitamin C in juvenile hybrid tilapia, *Oreochromis niloticus* X *O. aureus*.** Shiao, S.Y.; Hsu, C.Y. 2002. *Aquaculture* 210(1/4): 335-342. National Taiwan Ocean University, Department of Food Science, Keelung 202, Taiwan.
- 19538 - Dietary lipid level and growth hormone alter growth and body conformation of blue tilapia, *Oreochromis aureus*.** Wille, K.; McLean, E.; Goddard, J.S.; Byatt, J.C. 2002. *Aquaculture* 209(1/4): 219-232. Write to: McLean, E., Sultan Qaboos University, College of Agriculture, Department Marine Science & Fisheries, P.O. Box 34, Al-Khoud, P.C. 123, Oman.
- 19539 - Response to within family selection for body weight in Nile tilapia (*Oreochromis niloticus*) using a single-trait animal model.** Bolivar, R.B.; Newkirk, G.F. 2002. *Aquaculture* 204(3/4): 371-381. Central Luzon State University, Freshwater Aquaculture Center, Science City of Munoz, Nueva Ecija 3120, Philippines.
- 19540 - Recombinant bovine growth hormone treatment of tilapia: growth response, metabolic clearance, receptor binding and immunoglobulin production.** Leedom, T.A.; Uchida, K.; Yada, T.; Richman, N.H.; Byatt, J.C.; Collier, R.J.; Hirano, T.; Grau, E.G. 2002. *Aquaculture* 207(3/4): 359-380. University of Hawaii, Hawaii Institute of Marine Biology, PO Box 1346, Kaneohe, HI 96744, USA.
- 19541 - Realizing the potential of integrated aquaculture: evidence from Malawi.** Brummett, R.E. 2002. Agroecological innovations: increasing food production with participatory development. p. 115-124. Write to: WorldFish Center, PO Box 500, GPO, 10670 Penang, Malaysia (E-mail: worldfishcenter@cgjar.org) S494.5 I5U83.
- 19542 - Tropical marine environment: charting strategies for the millennium. Proceedings of the Second International Conference on the Straits of Malacca, 15-18 October 2001 Penang, Malaysia.** Yusoff, F.M.; Shariff, M.; Ibrahim, H.M.; Tan, S.G.; Tai, S.Y. 2002. Serdang, Malaysia. Malacca Straits Research and Development Centre, UPM. xxxviii, 856 p. 983-2373-42-5. QH541.5 S3T76 2001.
- 19543 - Proceedings of the Second Technical Seminar on Marine Fishery Resources Survey in the South China Sea, Area II: Sarawak, Sabah and Brunei Darussalam waters, 14-15 December 1998, Kuala Lumpur, Malaysia.** Technical Seminar on Marine Fishery Resources in the South China Sea (2nd: 1998: Kuala Lumpur) 1999. Samutprakarn, Thailand. Training Department, Southeast Asian Fisheries Development Center. iii, 370 p. SH327.5 T42 1998.
- 19544 - Nutrition in tropical aquaculture: essentials of fish nutrition, feeds, and feeding of tropical aquatic species.** Millamena, O.M.; Coloso, R.M.; Pascual, F.P. (eds.) 2002. Tigbauan, Iloilo, Philippines. Southeast Asian Fisheries Development Center. 971-8511-58-X. SH156 M544.
- 19545 - Summary review of the impacts of fisheries subsidies on developing countries.** 2000. London. MRAG. 36 p. Prepared by MRAG in association with Cambridge Resource Economics, International Institute for Environment and Development DfID Policy Research Programme Project contract no. CNTR 98 6509. SH334 S95 2000.
- 19546 - Caribbean marine protected areas project: the role of marine protected areas in fisheries management and biodiversity conservation in coral reef ecosystems: final technical report to the United Kingdom Department for International Development.** 2001. British Virgin Islands. 214 p. in various pagings. DFID R No.: NRE9800 605/522/001 A. SH206 P23C37 2001.
- 19547 - Coral bleaching: causes, consequences and responses: selected papers presented at the 9th International Coral Reef Symposium on "Coral Bleaching: Assessing and Linking Ecological and Socioeconomic Impacts, Future Trends and Mitigation Planning"** Schuttenberg, H.Z. (ed.) 2001. Rhode Island, USA. Coastal Resources Center, University of Rhode Island. 102 p. 1-885454-40-6. QH541.5 C7S33 2001.
- 19548 - Proceedings of the first national workshop on marine molluscs.** 2001. Nha Trang, Vietnam. Research Institute for Aquaculture No. 3. 222 p. SH367 V5M37 1999.
- 19549 - Workshop on Responsible Brackishwater Aquaculture 2002 : Kakinada** 2002. [Kakinada] [s.n.] 80 p. SH107 R47 2002.
- 19550 - Report of the APEC/NACA Cooperative Grouper Aquaculture Workshop, Hat Yai, Thailand, 7-9 April 1999.** 2002. Singapore. APEC Secretariat. 151 p. Collaborative APEC Grouper Research and Development Network (FWG 01/99) Organised by the Asia-Pacific Economic Cooperation (APEC) in cooperation with the Network of Aquaculture Centres in Asia-Pacific (NACA) 981-04-6516-5. SH167 G86A63 1999.
- 19551 - Tilapia farming in the 21st century: proceedings of the International Forum on Tilapia Farming, 25-27 February 2002, Los Banos, Laguna, Philippines.** Guerrero, R.D., III; del Castillo, M.R. (eds.) 2002. Laguna, Philippines. Philippine Fisheries Association, Inc. viii, 184 p. 971-92609-0-4. SH167 T54G84 2002.
- 19552 - Report of the 2000 Caribbean pelagic and reef fisheries assessment and management workshop.** Renton, S.S. (ed.) 2001. Belize City, Belize. CARICOM Fisheries Unit. vii, 139 p. CARICOM fishery report; no. 9. 978-8165-12-X. SH233 A1C37 2000.
- 19553 - Inland capture fishery statistics of Southeast Asia: current status and information needs.** Coates, D. 2002. Bangkok, Thailand. FAO Regional Office for Asia and the Pacific. xiii, 114 p. RAP publication; 2002/11. SH307 S69C62.
- 19554 - Global Symposium on Women in Fisheries.** Williams, M.J.; Chao, N.H.; Choo, P.S.; Matics, K.; Nandeesh, M.C.; Shariff, M.; Siason, I.; Tech, E.; Wong, J.M.C. (eds.) 2002. Penang, Malaysia. ICLARM - The World Fish Center. xv, 209 p. 983-2346-02-9. SH207 CP6G56 2002.
- 19555 - Reversing environmental degradation trends in the South China Sea and Gulf of Thailand: report of the First Meeting of the Regional Working Group for Land-based Pollution.** 2002. Bangkok, Thailand. UNEP/GEF ii, 11 p. Appendices. QH540 L36 2002.
- 19556 - Reversing environmental degradation trends in the South China Sea and Gulf of Thailand: report of the First Meeting of the Regional Working Groups on Marine Habitats.** 2002. Bangkok, Thailand. UNEP/GEF. iii, 39 p. in various pagings. Appendices. QH540 M37 2002.

Subject Index

Abundance 19381
 Acoustics 19483
 Age 19367
 Agropisciculture 19426, 19464, 19486, 19503, 19541
 Algae 19380
 Algal blooms 19404
 Animal nutrition 19544
 Aquaculture 19494, 19495, 19513, 19544
 Aquaculture development 19492, 19503, 19541, 19550
 Aquaculture economics 19452
 Aquaculture techniques 19478
 Aquatic plants 19426
 Aquatic sciences 19466
 Artisanal fishing 19409, 19412, 19449, 19509, 19512, 19546
 Asian Fisheries Society 19442
 Baseline studies 19412
 Benthic environment 19408
 Biodiversity 19403
 Biofilms 19479, 19510
 Biological poisons 19404
 Biological production 19434, 19446
 Biological stress 19422, 19508
 Biology 19400
 Biomass 19420, 19445
 Biopolymorphism 19422, 19513
 Bioselection 19539
 Biotechnology 19542
 Biotelemetry 19481
 Biotic pressure 19431
 Bleaching 19380, 19413, 19443, 19459, 19474, 19475, 19547
 Blood 19508
 Body shape 19538
 Brackishwater aquaculture 19424, 19549
 Brackishwater crab culture 19549
 Broodstocks 19437
 Brush parks 19385
 Buoyancy 19444
 By catch 19362, 19390
 Cage culture 19453, 19504, 19514
 Calcium 19363
 Carbon 19408
 Carcasses 19434, 19508

- Carps 19355, 19356, 19364, 19365, 19389, 19434
 Catch/effort 19411, 19412, 19546
 Climatic changes 19406, 19498
 Clones 19515
 Cloves 19402
 Clupeoid fisheries 19469
 Coastal zone 19372, 19373, 19375
 Coastal zone management 19399
 Cold resistance 19386
 Common property resources 19377, 19414, 19472
 Community involvement 19440, 19465, 19480, 19512
 Competition 19535
 Conservation 19369, 19493
 Consumption functions 19372, 19375, 19377
 Coral 19380, 19384, 19475, 19547
 Coral reefs 19403, 19416, 19443, 19457, 19459, 19473
 Crab culture 19368
 Data collections 19552
 Data processing 19552
 Deep pools 19483
 Degradation 19383
 Demography 19377
 Design 19417
 Developing countries 19545
 Development projects 19441, 19554
 Developmental stages 19462, 19463
 Diets 19390, 19435, 19447, 19448, 19458, 19507, 19533
 Digestibility 19364, 19447, 19458, 19501
 Directories 19371
 Disasters 19449
 Diseases 19549
 Disinfectants 19359
 Dispersion 19444
 DNA 19500, 19513, 19515, 19521, 19524, 19529
 Documentations 19371
 Ducks 19426
 Economic analysis 19544
 Effluents 19487
 El Nino phenomena 19406, 19474
 Endemic species 19389
 Energy 19458
 Environment management 19542, 19547
 Environmental conditions 19403
 Environmental effects 19555, 19556
 Environmental factors 19543, 19547
 Environments 19375
 Enzymatic activity 19390
 Enzymes 19534
 Equipment 19417
 Erythrocytes 19365
 Estuaries 19408
 Estuarine fisheries 19405
 Extension activities 19421
 Farm size 19452
 Farming systems 19352
 Fatty acids 19490
 Fecundity 19437
 Feed 19364, 19391, 19429, 19461, 19462
 Feed efficiency 19532
 Feed preparation 19544
 Feeding 19388, 19497
 Feeding behaviour 19544
 Feeding experiments 19356, 19448, 19507
 Females 19412
 Fertilizers 19497
 Financing 19545
 Fingerprinting 19500, 19515
 FISAT software 19451
 Fish 19476
 Fish culture 19360, 19434, 19435
 Fish diseases 19358, 19359
 Fish larvae 19462
 Fish meal 19496
 Fish ponds 19535
 Fisheries 19441, 19442, 19466, 19545, 19554
 Fishers 19393, 19394, 19395, 19396, 19397, 19398, 19450, 19465, 19468, 19471, 19472, 19480, 19506
 Fishery biology 19543
 Fishery development 19409
 Fishery industry 19477
 Fishery management 19370, 19392, 19409, 19445, 19467, 19470, 19471, 19506, 19512
 Fishery policy 19370
 Fishery products 19476
 Fishery regulations 19467, 19471
 Fishery resources 19543
 Fishery technology 19441, 19554
 Fishing gear 19450
 Fishing grounds 19432
 Fishing rights 19370, 19472
 Fishing technology 19468
 Fishing vessels 19397, 19398
 Floating 19427
 Food absorption 19404
 Food conversion 19429
 Food security 19492
 Food webs 19382
 Fouling 19479
 Fouling control 19479
 Freshwater aquaculture 19355
 Freshwater fish 19366
 Gadoid fisheries 19431
 Gender issues 19442
 Genes 19524
 Genetic markers 19369
 Genetics 19391, 19513, 19521, 19523, 19528
 Genotypes 19526
 Greenhouse effect 19498
 Ground water 19381
 Grouper culture 19354, 19550
 Growth 19367, 19410, 19419, 19429, 19436, 19448, 19502, 19507, 19514, 19526, 19532, 19533, 19538, 19539, 19540
 Growth regulators 19529, 19530
 Gynogenesis 19515, 19524
 Harvesting 19535
 Hatching 19428
 Heterosis 19500
 Histopathology 19418
 Hormones 19361, 19538, 19540
 Ichthyology 19493
 ICLARM Contrib. No. 1663 19441, 19442, 19554
 Immunity 19423
 Immunology 19360
 Immunostimulant 19423
 Inbreeding 19521, 19539
 Induced breeding 19361
 Industrialization 19378
 Infectious diseases 19424
 Infectious centres 19371
 Information handling 19553
 Information systems 19466
 Inland fisheries 19385, 19553
 Insurance 19414
 Intensive culture 19508
 Intestines 19534
 Introduced species 19401, 19412
 Invertebrates 19408
 Iodine 19359
 Isoelectric focusing 19489
 Isotopes 19408
 Knowledge based systems 19373
 Labour 19485
 Larvae 19384
 Length 19451
 Length-weight relationships 19350, 19351, 19430, 19438, 19439
 Light 19417
 Light fishing 19469
 Lima beans 19447
 Lipids 19365, 19538
 Lobster fisheries 19494
 Lymphocytes 19360
 Magnesium 19363
 Mangrove swamps 19379, 19383, 19408, 19425, 19460, 19464
 Manure 19486
 Marine ecosystem 19369
 Marine environment 19372, 19373, 19375
 Marine fish 19430, 19436
 Marine fisheries 19432, 19543
 Marine molluscs 19548
 Marine organisms 19556
 Marine parks 19400, 19413, 19473, 19474, 19498, 19499, 19506, 19546, 19547
 Marine pollution 19542
 Marine resources 19376, 19414
 Marketing 19391, 19495
 Mass 19438
 Mass culture 19384
 Metabolism 19435
 Migrations 19376, 19481, 19483
 Minced products 19366
 Mollusc culture 19404
 Monosex culture 19517
 Mortality 19367, 19410
 Multivariate analysis 19505
 Natural resources 19399
 Nitrogen 19381, 19408
 Nutrient cycles 19383
 Nutrients (mineral) 19425, 19544
 Nutrition 19391, 19435, 19537
 Nutritional requirements 19363
 Nutritive value 19456, 19461
 Oceanography 19543
 Ontogeny 19534
 Organic matter 19458
 Organism aggregations 19427
 Ornamental fish 19417, 19436, 19478
 Ovaries 19463
 Palm kernel meal 19456
 Parasites 19490, 19491
 Participation 19399, 19441, 19442, 19554
 Pathology 19533
 Pelagic fisheries 19552
 Pellet feeds 19456
 Pesticides 19365, 19418
 Phenotypes 19526
 Phosphorus 19363
 Photoperiods 19436
 Photosynthesis 19460
 Pigments 19460
 Plankton 19453, 19464
 Policies 19492
 Pollen 19444
 Pollution 19555
 Polyculture 19356, 19389, 19497, 19502, 19505, 19514
 Pond culture 19352, 19354, 19464, 19497
 Ponds 19421
 Population characteristics 19431, 19455
 Population dynamics 19372, 19373, 19374, 19375, 19410, 19451
 Population functions 19443
 Population genetics 19407
 Population number 19420
 Poverty 19441, 19442, 19554
 Prawn culture 19419, 19454
 Primary production 19543
 Privatization 19472
 Property rights 19377, 19414, 19494
 Protease 19462
 Proteins 19390, 19458, 19460, 19461, 19489, 19490, 19501
 Quota regulations 19370
 Raceway culture 19428
 Rearing 19436
 Recirculating systems 19508
 Recombinants 19540
 Recruitment 19380, 19384
 Reef fish 19402, 19406, 19417, 19457, 19493, 19552
 Reef fisheries 19546
 Reference points 19445
 Regression analysis 19388
 Reproduction 19428, 19437
 Reproductive behaviour 19444
 Research 19466
 Reservoir fisheries 19411

Resource availability 19542
 Resource management 19373, 19542
 Resources 19374
 Rice field aquaculture 19426, 19502
 Rotenone 19402
 Safety devices 19393, 19394, 19395, 19396, 19397, 19398
 Salinity 19381
 Salinity tolerance 19353
 Salmon fisheries 19494
 Sea bass culture 19390
 Sea cucumbers 19407
 Sea grass 19381, 19383, 19444
 Seaweeds 19549
 Sediment properties 19425
 Sedimentation 19473
 Sediments 19383
 Seeds 19444
 Sex characters 19526
 Sex determination 19528
 Sex reversal 19391
 Shellfish 19351, 19438, 19549
 Shrimp culture 19363, 19378, 19379, 19425, 19464, 19477, 19485, 19511, 19549
 Shrimp fisheries 19433, 19455, 19463, 19494
 Size 19501
 Small scale fisheries 19374, 19376
 Socioeconomic aspects 19547
 Sociological aspects 19412
 Species 19482, 19484
 Species diversity 19493
 Species extinction 19401
 Sport fishing 19484
 Statistical analysis 19553
 Stock assessment 19350, 19451, 19455
 Stocking density 19388, 19446, 19504
 Stocks 19420, 19433
 Stomach content 19438
 Strains 19529
 Surfactants 19488
 Surveillance and enforcement 19392
 Sustainability 19378, 19414, 19441, 19511, 19506, 19554
 Swine 19486
 Symbionts 19416
 Tanks 19446
 Taste functions 19357
 Taxonomy 19405
 Technology 19373
 Temperature 19501
 Temperature anomalies 19459
 Temperature tolerance 19386, 19525
 Temporal variations 19405
 Tilapia 19353, 19356, 19357, 19386, 19387, 19388, 19422, 19423, 19424, 19446, 19447, 19453, 19456, 19458, 19461, 19486, 19487, 19488, 19489, 19490, 19491, 19495, 19514, 19517, 19524, 19530, 19532
 Tilapia culture 19391, 19551
 Tissues 19448
 Toxicants 19357
 Toxicity 19487
 Toxicology 19488
 Trade 19476, 19509
 Trawling 19362, 19465
 Trophic relationships 19382
 Trophic structure 19405
 Tropics 19366, 19385, 19405, 19544
 Turbidity 19473, 19532
 Vibriosis 19536
 Vitamin C 19454, 19537
 Vitamin E 19537
 Water exchange 19425
 Water management 19415
 Water quality 19446, 19453, 19464, 19505
 Water reservoirs 19453
 Water resources 19415
 Weeds 19427
 Wetlands 19440
 Women 19441, 19442, 19470, 19554
 Zooxanthellae 19416

Taxonomic Index

Acropora 19443
 Alexandrium tamarense 19404
 Amphiprion melanopus 19436
 Anabas testudineus 19418
 Anguilla 19411, 19412
 Artemia nauplii 19368
 Avicennia marina 19429
 Avicennia officinalis 19429
 Azadirachta indica 19423
 Barbodes gonionotus 19418, 19502
 Canthocybium solandri 19552
 Catla catla 19523
 Channa punctatus 19366, 19418
 Chlamys nobilis 19404
 Chrysichthys nigrodigitatus 19437
 Cirrhinus mrigala 19364, 19389
 Clarias batrachus 19360
 Clarias gariepinus 19428, 19490, 19491, 19501
 Clarias macrocephalus 19504
 Coryphaena hippurus 19552
 Cromileptes altivelis 19550
 Cyprinus carpio 19356, 19365, 19389, 19411, 19412, 19497, 19500, 19502, 19505, 19507, 19508, 19523
 Enhalus acoroides 19444
 Epinephelus 19550
 Epinephelus coioides 19354
 Epinephelus guttatus 19552
 Eriocheir sinensis 19368
 Etroplus suratensis 19435
 Glaucosoma hebraicum 19361
 Goniastrea aspera 19475
 Gymnocranius audleyi 19367
 Heterobranchus longifilis 19439
 Heteropneustes fossilis 19360, 19501
 Hippocampus comes 19400
 Holothuria atra 19407
 Hydrocynus vittatus 19410
 Hypophthalmichthys molitrix 19497
 Hypophthalmichthys molitrix 19356
 Labeo rohita 19364, 19448
 Lates calcarifer 19358, 19390, 19549
 Lates niloticus 19401
 Macrobrachium rosenbergii 19419, 19433, 19454
 Manihot esculenta 19487
 Merluccius gayi peruanus 19431
 Metapenaeus affinis 19463
 Monodon baculovirus 19359
 Opisthemonema oglinum 19552
 Oreochromis 19453, 19456
 Oreochromis aureus 19353, 19387, 19422, 19500, 19508, 19524, 19537, 19538
 Oreochromis esculentus 19401
 Oreochromis hornorum 19529
 Oreochromis mossambicus 19353, 19387, 19411, 19412, 19422, 19423, 19424, 19446, 19523, 19540, 19551
 Oreochromis niloticus 19353, 19356, 19357, 19366, 19386, 19387, 19388, 19422, 19446, 19447, 19458, 19461, 19486, 19487, 19488, 19489, 19490, 19496, 19497, 19500, 19513, 19514, 19515, 19521, 19523, 19525, 19526, 19528, 19533, 19534, 19536, 19537, 19539, 19551
 Oreochromis shiranus 19535
 Oreochromis spilurus 19353
 Oreochromis variabilis 19401
 Parapenaeopsis stylifera 19463
 Penaeus indicus 19363, 19429
 Penaeus merguensis 19463
 Penaeus monodon 19359
 Penaeus penicillatus 19463
 Penaeus vanammei 19477
 Platygyna 19443
 Poecilia reticulata 19478
 Porites 19443
 Probarbus jullieni 19482
 Probarbus labeamajor 19482
 Pterophyllum scalare 19478

Ruditapes philippinarum 19404
 Sesbania aculeata 19461
 Stichopus chloronotus 19407
 Stomatopoda 19362
 Streptococcus 19424
 Symbiodinium 19416, 19475
 Symphysodon aequifasciata 19462
 Tenualosa ilisha 19366, 19451
 Thalassia hemprichii 19381, 19444
 Thalassodendron ciliatum 19381
 Tilapia rendalli 19411
 Tilapia zillii 19489, 19491
 Tor 19484
 Vibrio harveyi 19358
 Vibrio vulnificus 19536
 Wallago attu 19366

Geographic Index

Africa 19371, 19415
 Africa, south 19438
 Africa, Sub-Saharan 19503
 Africa, west 19509
 Asia 19355, 19426, 19492
 Australia 19361, 19506
 Australia, Great Barrier Reef 19367, 19380
 Australia, Moreton Bay 19362
 Bangladesh 19389, 19393, 19421, 19425, 19451, 19514
 Barbados 19467, 19552
 Belgium 19399
 Belize 19459
 Bengal Bay 19409
 Brazil 19430
 Brunei 19550
 Cambodia 19480, 19553
 Cambodia, Mekong R. 19481
 Caribbean Region 19416, 19546
 Caribbean Sea 19420
 China 19368, 19525
 China, Guangdong 19550
 China, Hong Kong 19550
 Colombia, Salamanca Gulf 19420
 Dominica 19552
 Egypt 19350
 Ghana 19374, 19512
 Gorgona I. 19406
 Great Barrier Reef 19402, 19413, 19443
 Greece 19399
 Grenada 19552
 Grenadines 19552
 India 19394, 19424, 19449, 19452, 19549
 India, Andhra Pradesh 19408
 India, Assam 19440
 India, Loktak Lake 19427
 India, Orissa 19460
 India, Vembanad L. 19433
 Indian Ocean 19547
 Indonesia 19465, 19493, 19550, 19553
 Indonesia, north Sulawesi 19376
 Indonesia, Sulawesi 19473
 Indonesia, Sumatra 19450
 Indonesia, Yogyakarta 19453
 Israel 19478
 Jamaica 19432
 Kenya 19381
 Korea 19351, 19550
 La Reunion 19407
 Lao PDR 19553
 Lao PDR, Mekong R. 19483
 Latin America 19477
 Malacca Straits 19542
 Malawi 19352, 19535, 19541
 Malaysia 19395, 19553
 Maldives 19396
 Mediterranean waters 19350
 Mekong Delta 19482, 19484
 Micronesia, Palau 19547
 Myanmar 19553
 Nigeria 19437
 Nigeria, Idodo River 19439

Nigeria, Kaduna R. 19490
 Nigeria, Uke R. 19491
 Pacific Ocean 19406
 Pakistan 19463
 Papua New Guinea 19411, 19412
 Papua New Guinea, Milne Bay 19493
 Peru 19431
 Philippines 19353, 19358, 19400, 19426, 19457, 19474, 19506, 19547, 19553
 Philippines, Palawan, Calamianes I. 19493
 Solomon I., Roviana Lagoon 19377
 South China Sea 19404, 19543, 19555, 19556
 Southeast Asia 19444, 19482, 19550
 Spain 19399
 Sri Lanka 19397, 19455, 19468
 St. Lucia 19552
 St. Vincent 19552
 Taiwan 19550
 Thailand 19378, 19379, 19469, 19485, 19550, 19553
 Thailand Gulf 19555, 19556
 Thailand, Phuket 19383, 19403, 19475
 Tonga 19414
 Torres Strait 19407
 UK 19399
 Victoria L. 19401
 Vietnam 19378, 19464, 19548, 19553
 Zanzibar I. 19381
 Zimbabwe, Kariba L. 19410

Selected Websites

Aquaculture Network Information Center (AquaNIC)

<http://aquanic.org/index.htm>
 A gateway to the world's electronic aquaculture resources. AquaNIC is coordinated by the Mississippi-Alabama Sea Grant Consortium, and hosted by Purdue University and the University of Illinois through the Illinois-Indiana Sea Grant College Program.

Arid Lands Fish Production Newsletter

<http://ag.arizona.edu/azaqua/arizona.html>
 These are newsletters from the Arizona Aquaculture Association and College of Agriculture. They present basic information on the people, projects and events in Arizona aquaculture.

Australian Prawn Farmer's Association (APFA)

<http://www.apfa.com.au/>
 APEA was formed in 1993 to represent the interests and foster the development of the Australian prawn farming industry. It is a key contact for investors, new farmers and firms wishing to do business with the Australian prawn-farming sector.

CFAST (Commercial Fish and Shellfish Technologies) Newsletter

<http://www.cfast.vt.edu/newsletter/>
 The CFAST program aims to generate and share knowledge about the effective production, marketing, physical distribution, and utilization of safe and wholesome fish and shellfish and their products, and to foster continuous profit, growth and development of the commercial, agricultural, and fisheries industries. Its newsletter is published triannually, as a service to the fish and shellfish industries, as well as research and regulatory agencies involved in fisheries, aquaculture, and public health.

Common Fisheries Policy Compliance Scoreboard

http://europa.eu.int/comm/fisheries/policy_en.htm
 A source of information about Member States' compliance with their obligations under Community rules on, among other things, reports on catches taken by their fleets, the capacity and fishing effort of those fleets, and national monitoring and inspection

activities.

FHS Newsletter

<http://afs-fhs.seafdec.org/ph/>
 Published by the Fish Health Section of the Asian Fisheries Society. The newsletter provides essential information to fish health workers in the region.

Fish Resources 2003 (2nd International Fishery Exhibition)

http://fishresources.ru/index_e.php
 The web site of the 2nd International Fishery Exhibition "Fish Resources 2003" to be held in Mexico, 10-13 September 2003.

Fishing for Information: A hypertext guide to Internet resources in aquatic science

<http://www.atc.stir.ac.uk/Fishing/Fishing.html>
 These pages contain links to Internet resources in aquatic science with particular emphasis on aquaculture and fisheries, including: fish farming, the culture of shrimp, other crustacea, shellfish and seaweed, capture fisheries, aquariums, angling, marine science, freshwater studies, aquatic environments, toxicology, earth science, water resources and links to relevant business and commercial services.

Gender issues in aquaculture

<http://www.dfid.stir.ac.uk/dfid/gender/gender.htm>
 An article about the role of women in aquaculture production.

Global Marine Aquarium Database (GMAD)

<http://www.unep-wcmc.org/marine/GMAD/>
 Established by the UNEP-World Conservation Monitoring Centre (UNEP-WCMC), the Marine Aquarium Council (MAC) and other collaborators, the database is a free source of information on the global aquarium industry.

Growfish Newsletter

<http://www.growfish.com.au/Grow/Pages/Newsletters/Newsletters.htm>
 An initiative of the Gippsland Aquaculture Industry Network Inc., the newsletter contains news, events, articles and aquaculture related information from all over the world.

Gulf of Maine-Council on the marine environment

<http://www.gulfofmaine.org/default.asp>
 The Council is a U.S.-Canadian partnership of government and non-government organizations working to maintain and enhance environmental quality in the Gulf of Maine to allow for sustainable resource use by existing and future generations.

Large River Symposium (LARS)

<http://www.lars2.org>
 The web site contains the unedited papers presented at the Second International Symposium on the Management of Large Rivers for Fisheries: Sustaining Livelihoods and Biodiversity in the New Millennium, Phnom Penh, Cambodia, 11-14th February 2003.

Live Reef Fish Information Bulletin

<http://www.spc.org.nc/coastfish/News/lrf/lrf.htm>
 A special interest group bulletin, published by the Coastal Fisheries Programme of the Secretariat of the Pacific Community.

LobsterConservation.com

<http://www.lobsterconservation.com/door/>
 An initiative of the Pew Fellows Program in Marine Conservation, this web site is a "lobster reference resource" for the American lobster, *Homarus americanus*.

Marine Finfish Aquaculture Newsletter

<http://www.enaca.org/Grouper/News.htm>
 An electronic newsletter of the Network of Aquaculture Centres in Asia-Pacific (NACA), in cooperation with ACIAR, APEC, Queensland DPI, and SEAFDEC Aquaculture.

It provides readers with the latest and best news on grouper aquaculture, coral reef fisheries and aquaculture research and development.

The Marine Turtle Newsletter

<http://www.seaturtle.org/mtn/>
 A quarterly newsletter published in two languages (English and Spanish) and distributed freely to over 2000 readers in more than 110 nations and territories. It contains information on the biology, conservation, management, legal status and survival prospects of all species of endangered and threatened sea turtles.

The National Aquaculture Association (NAA)

<http://www.natlaquaculture.org>
 A non-profit, tax exempt organization whose purpose is to work with all segments of the US aquaculture community for the purpose of national representation of mutual interests.

National Marine Fisheries Service-Southwest Region

<http://swr.ucsd.edu/Default.htm>
 The Southwest Region is one of the National Marine Fisheries Service's six regional offices and six research centers located throughout the United States. Its programs assess, manage, and promote the conservation of living marine resources through these divisions.

NSW Fisheries

<http://www.fisheries.nsw.gov.au/>
 A service agency focused on the conservation of living aquatic resources. The agency works in partnership with other government agencies, recreational fishers, commercial fishers, indigenous people, fish farmers and the broader community.

The oneFish Community Directory

<http://www.onefish.org/global/index.jsp>
 An Internet portal providing access to information on fisheries and aquatic research and development for those keen to extend the boundaries of fisheries and aquatic research, and to facilitate a more efficient and effective application of research-based knowledge to the many constraints of sustainable development. The web site is managed by the Support Unit for International Fisheries and Aquatic Research (SIFAR).

The Pacific Coast Shellfish Growers Association

<http://www.pcsqa.org>
 It contains information on the association and its activities. The association represents the local, state and federal interests of oyster, clam, mussel, scallop and geoduck growers from Alaska, British Columbia, Washington, Oregon, California, Mexico and Hawaii. They are involved in everything from environmental protection, shellfish safety and health issues and technological advances to international marketing and research.

Quarterly Disease Reports

<http://www.enaca.org/Health/Reports.htm>
 A quarterly publication of the Network of Aquaculture Centres in Asia-Pacific (NACA) and the Food and Agriculture Organization of the United Nations (FAO). These publications are complementary to the Office International des Epizooties (OIE) Quarterly Aquatic Animal Disease Report (Asia-Pacific Region).

SciTechResources.gov

<http://www.scitechresources.gov/>
 A catalog of the US government science and technology web sites. The web site is maintained by the U.S. Department of Commerce, National Technical Information Service.

Guidelines for Authors

The purpose of these guidelines is to assist NAGA contributors in preparation of articles for submission to NAGA, the quarterly magazine published by the WorldFish Center. The presentation of your manuscript is the critical first stage in the successful publication of your article and the instructions below will assist you in ensuring that your article is reviewed and published as efficiently as possible.

If you can prepare your article on a computer it will enable us to work more quickly and easily. However, if you do not have access to a computer, hard copies of your manuscript should be submitted to: The Editor, NAGA, Communications Unit, the WorldFish Center, PO Box 500 GPO, 10670 Penang, Malaysia. Email: naga@cgjar.org

Manuscript

Please ensure that the manuscript is clear enough to work on, and adheres to the following:

- Paper size: A4
- Font size: 12 points
- Your manuscript should be written double-spaced with a 2.5 cm margin all around.
- Your manuscript must be paginated.
- Articles submitted should be between 1 500-2 000 words.
- Include an abstract in approximately 50 words, stating what was done, found and concluded.
- Submit one hard copy; one soft copy and keep one copy for reference
- The **electronic/soft copy** should be in Microsoft Word for Windows. The soft copy must be an exact printout of the hard copy. The soft copy should be sent by email to: naga@cgjar.org. If you do not have access to email, send the soft copy in a 3 ½ inch disk to the WorldFish Center.
- The **hard copy** should only be printed on one side and sent to the WorldFish Center.

House style

- **Spellings** should conform to the new edition of the Concise Oxford English Dictionary. Alternatives will be accepted provided they are consistent.
- Use **italics** for scientific names, and words/phrases in foreign languages.
- To check all **fish species names**, refer to FishBase at www.fishbase.org.

- **Justification** of text – the text should be left justified. Do not use hyphenation except for hyphenated words.
- **Headings** – where there are several levels of heading, each one should be differentiated from the other as below:
 - Title of article – (Upper and Lower Case, Bold, 14 pts, Centered)**
 - Heading – Level One (Upper and Lower Case, Bold, 12 pts, Centered)**
 - Heading – Level Two (Upper and Lower Case, Bold, 11 pts, Flush Left)**
 - Heading – Level Three (Upper and Lower Case, Bold, 10 pts, Flush Left)**
 - Heading – Level Four (Upper and Lower Case, Italics, 10 pts, Flush Left)**
- **Space after punctuation marks** – use single (and not double) space after full stops, commas, colons, semicolons, etc.
- **Quotation marks** – use single quotation marks for dialogue and quoted material. Double quotation marks are used only for quote within quotes.
- **Units of measure** – The International System of Units (SI) for measurements and weights is recommended.
- **Numerals** – spell out numerals smaller than 10, e.g., eight fish. Numerals smaller than 10 should not be spelled out when accompanied by a standard unit of measure, e.g., 3 kg
- **Dates** – should be written as "day month year", e.g., 8 May 2001
- **Abbreviations** – Any word or words to be abbreviated should be written in full when first mentioned followed by the abbreviation in parenthesis.
- **Illustrations**
 - Illustrations can be photographs, line drawing, maps or graphs. Bear in mind that the quality of printed illustrations is dictated by the quality of the originals you supply;
 - Line drawings submitted should be originals, drawn in black ink on white paper. These should be mailed to the WorldFish Center flat or rolled, never folded;
 - If drawings are digitally produced, they

must be of high quality;

- One color (black) line drawings should be produced at 500-800 dpi and saved as a bitmap tiff file;
- Tone illustrations or illustrations in color should be produced at 250-300 dpi and saved in grayscale as tiff files.
- Maps should include indicator of latitude and longitude.
- Check to ensure that figures are numbered correctly as they are cited in the text. Position figure numbers and headings at the bottom of the illustration.
- **Tables**
 - Key in your tables using the Table Menu in Word.
 - Ensure that your tables are numbered correctly and that they tally with the numbering cited in your text.
 - Position table numbers and headings above the table. The headings should be clear, complete and informative.
 - Place sources and notes immediately below the table.

References

Book:

- Gupta, M.V. and B.O. Acosta (eds.). 2001. Fish genetics research in member countries and institutions of the International Network on Genetics in Aquaculture. ICLARM Conf. Proc. 64, 170 p.
- Longhurst, A. and D. Pauly. 1987. Ecology of tropical oceans. Academic Press, San Diego.

Chapter or part of a book or published conference proceedings:

- Christensen, V. and D. Pauly. 1993. On steady-state modeling of ecosystems, p. 14-19. *In* V. Christensen and D. Pauly (eds.) Trophic models of aquatic ecosystems. ICLARM Conf. Proc. 26, 390 p.

Journal article:

- Hillman, S. 1994. Environment on trial. NAGA, ICLARM Q. 17 (1): 8-10.

- **Notes on authors** should be included at the end of the article: A. Shaleesha and V.A. Stanley are scientists at the J.R.D. Tata Ecotechnology Center, M.S. Swaminathan Research Foundation, Chennai – 600 113, India.