# WorldFish Center Staff Contributions

#### 2003

Refereed Non-Refereed Papers Presented

### Refereed

Ahmed, M., G. Umali, C.K. Chong and M.F. Rull. 2003. Valuation of recreational benefits: an application of the travel cost model to the Bolinao coral reefs in the Philippines. Journal of Ecological Economics (*Forthcoming*). p. xx.

Ahmed, M., P. Boonchuwongse, W. Dechboon and D. Squires. 2003. Excess capacity and overfishing in the Gulf of Thailand: policy challenges and bioeconomic analysis. Marine Resource Economics Journal (*Forthcoming*). p. xx.

Ayyat, M.S., F.S. Abbas and G.O. El-Gaggar. 2003. Effect of dietary protein level and vitamin C supplementation on performance of Nile Tilapia (*Oreochromis niloticus*) Vet. Med. J., Giza. 51(3): 287-298.

Bene, C. 2003. When fishery rhymes with poverty: a first step beyond the old paradigm on poverty in small-scale fisheries. World Development 31(6): 949-975.

Brummett, R. 2003. **Aquaculture and society in the new millennium.** World Aquaculture 34(1): 51-59, 70.

Brummett, R. 2003. **Indigenous species for African aquaculture development.** *In* J. Nielsen and T.M. Bert (eds.) Ecological and genetic effects of aquaculture on the environment, and their solutions. Dordrecht, the Netherlands: Kluwer Scientific. (*In Press*). p. xx.

Christie, P., D. Buhat, L.R. Garces and A.T. White. 2003. **The challenges and rewards of community-based coastal resources management: San Salvador Island, Philippines.** *In* Contested nature: promoting international biodiversity and social justice in the twenty-first century. Brechin, S.R., P.R. Wilshusen, C.L. Fortwangler, P.C. West (eds.). New York: State University of New York Press. p. xx.

Clarke, P.J., T. Komatsu, J.D. Bell, F. Lasi, C.P. Oengpepa and J. Leqata. (2003) Combined culture of *Trochus niloticus* and giant clams (Tridacnidae): benefits for restocking and farming. Aquaculture 215: 123-144.

Dance, S.K., I. Lane and J.D. Bell. (2003) **Variation in short-term survival of cultured sandfish (***Holothuria scabra***) released in mangrove-seagrass and coral reef flat habitats in Solomon Islands.** Aguaculture 220: 495-505.

Demanou, J. and R.E. Brummett. 2003. **Heavy metal and fecal bacterial contamination of urban lakes in Yaoundé, Cameroon.** African Journal of Aquatic

Dey, M.M. and M. Prein. 2003. **Participatory research at landscape level: floodprone ecosystems in Bangladesh and Vietnam.** In B. Pound, S.S. Snapp, C. McDougall, and A. Braun (eds.) Managing natural resources for sustainable livelihoods: uniting science and participation. Earthscan and IDRC, London. p. 223-225. *(Location: HC85 M36.)* 

Jamu, D.M., J.B. Chimphamba and R.E. Brummett. 2003. Land use and cover changes in the Likangala catchment of Lake Chilwa basin, Malawi: implications for managing a tropical wetland in Malawi, southern Africa. African Journal of Aquatic Science. p. xx.

Morrisey, D.J., R.G. Cole, J.D. Bell, I. Lane and G.B. Read. Low abundances and diversities of benthic faunas of shallow, coastal sediments in the Solomon Islands and their implications for assessing environmental impact of logging. Pacific Conservation Biology 9: 215-227.

Pomeroy R.S. and K.K. Viswanathan. 2003. **Experiences with fisheries co-management in Southeast Asia and Bangladesh.** *In* D.C. Wilson, J.R. Nielsen and P.Degnbol (eds.). The Fisheries Co-management Experience, Accomplishments, Challenges and Prospects Dordrecht: Kluwer Academic Publishers. p. 99-117. *(Location: SH329 C57W54.)* 

Ramofafia, C., M. Byrne and S.C. Battaglene. 2003. **Development of three** commercial sea cucumbers, *Holothuria scabra, H.fuscogilva* and *Actinopyga mauritiana*: larval structure and growth. Marine and Freshwater Research 54: 657-667.

Ramofafia, C., S.C. Battaglene and M. Byrne. (2003) **Reproduction of the commercial sea cucumber** *Holothuria scabra* (Echinodermata: Holothuroidea) in **Solomon Islands.** Marine Biology 142: 281-288.

Ratner, B. 2003. The politics of regional governance in the Mekong River Basin. Global Change, Peace & Security (formerly Pacifica Review), vol. 15, no. 1.

Rezk, M.A., R.O. Smitherman, J.C. Williams, A. Nichols, H. Kucuktas and R.A. Dunham. 2003. **Response to three generations of selection for increased body weight in channel catfish, Ictalurus punctatus, grown in earthen ponds.** Aquaculture. 228(1-4): 69-79.

Squires, D., I.H. Omar, Y. Jeon, J. Kirkley, K.K. Viswanathan and I. Susilowati. 2003. **Excess capacity and sustainable development in Java Sea fisheries.** Environment and Development Economics 8: 105-127.

Thompson, P., P. Sultana and F. Khan. 2003. **Comparison of Aquaculture Extension Impacts in Bangladesh.** Aquaculture Economics and Management. (*In Press*).

Thompson, P., P. Sultana and N. Islam. 2003. **Lessons from community based management of floodplain fisheries in Bangladesh.** Journal of Environmental Management 69(3): p. xx.

Tomich, T.P., M. van Noordwijk, K. Chomitz, D. Murdiyarso, B. Ratner, D.E. Thomas and A. Izac. **Asking the right questions: policy analysis and environmental services at different scales.** Agriculture, Ecosystems and Environment (*Forthcoming*). p. xx.

Williams, M.J. and P.S. Choo (et al.). 2003. **Chapter 2: Ecosystems and their services**. *In* Ecosystems and Human Well-being: A framework for assessment. Millennium Ecosystem Assessment. Washington, USA: Island Press. p. 49-70. *(Location: GF50 E26.)* 

#### Non-Refereed

Ahmed, M. and K.C. Chong. 2003. **An overview of problems and issues of coral reef management.** *In* Ahmed, M., Chong, C.K., and H. Cesar (eds). 2003. Proceedings for International Consultative Workshop on Economic Valuation and Policy Priorities for Sustainable Management of Coral Reefs. WorldFish Conf Proc. p. 2-11. *(Location: SH207 CP6 #70.)* 

Ahmed, M. and M.A.P. Bimbao. **Considerations economiques pour l'introduction d'une**. *In* Integration agriculture-aquaculture: principles de base et exemples. FAO Document Technique sur les peches. No. 407. Rome: FAO, 2003. p. 9-12. *(Location: SH1 F361 #407 2003.)* 

Ahmed, M., K.K. Viswanathan and R.A. Valmonte-Santos. 2003. **Collective action and property rights in fisheries management.** *In* Meinzen-Dick, R. (ed). 2003. Collective Action and Property Rights, 2020 Focus Special Issue, IFPRI, Washington DC. p. 11-12.

Ahmed, M., M.A. Rab and M.M. Dey. 2003. **Changing structure of fish supply, demand and trade in developing countries – issues and needs.** Proceedings of the Biennial Conference of the International Institute on Fisheries Economics and Trade (IIFET) 2002. (*In Press*)

Arthington, A.H., E. Baran, C.A. Brown, P. Dugan, A.S. Halls, J.M. King, C.V. Minte-Vera, R.E. Tharme, and R.L. Welcomme. **Water requirements of floodplain rivers and fisheries: existing decision-support tools and pathways for development.**Comprehensive Assessment of Water Management in Agriculture. 59 pp. (*In Press*)

Arthington, A.H., K. Lorenzen, B.J. Pusey, R. Abell, A.S. Halls, K.O. Winemiller, D.A. Arrington and E. Baran. **River fisheries: ecological basis for management and conservation.** *In* Welcomme R.L. & Petr T. (eds.). Proceedings of the Second International Symposium on the Management of Large Rivers for Fisheries Volume 1. Mekong River Commission, Phnom Penh, Cambodia. (*In Press*). p. xx.

- Baran, E. and A.G. Ponniah. 2003. **Freshwater resources conservation: an action-oriented overview.** p. 400-415. *In* CIP-UPWARD. Conservation and sustainable use of agricultural biodiversity: a sourcebook. International Potato Center Users' Perspectives With Agricultural Research and Development, Los Banos, Laguna, Philippines. 3 volumes. p. 400-415. *(Location: R 2003-06.)*
- Baran E., I. Makin and I.G. Baird. 2003. **BayFish: a model of environmental factors driving fish production in the Lower Mekong Basin.** *In* Welcomme R.L. & Petr T. (eds.) Proceedings of the Second International Symposium on Large Rivers for Fisheries. Phnom Penh, Cambodia, 11-14 February 2003. (*In Press*). p. xx.
- Barman B.K., D.C. Little, and J. Janssen. 2003. **Tilapia culture systems in Bangladesh.** Global Aquaculture Advocate 6(4): 31-33.
- Barut, N. C., M.D. Santos, L.L. Mijares, R. Subade, N.B. Armada and L.R. Garces. 2003. **Philippine coastal fisheries situation.** p. 885-914. *In* G. Silvestre, L. Garces, I. Stobutzki, C. Luna, M. Ahmed, R.A.V. Santos, L. Lachica-Aliño, P. Munro, V. Christensen, and D. Pauly (Eds.). Assessment, Management and Future Directions for Coastal Fisheries in Asian Countries. WorldFish Center Conference Proceedings 67, 1120 p. *(Location: SH207 CP6 #67.)*
- Battaglene, S.C. and J.D. Bell. **The restocking of sea cucumbers in the Pacific Islands**. *In* "Case Studies in Marine Ranching" (D.M. Bartley and K.M. Leber, eds.), FAO Fishery Technical Paper No 429. FAO, Rome, Italy (*In Press*). p. xx.
- Bell, J.D. and L. Garces. 2003. **Potential role of restocking and stock enhancement in the management of marine invertebrate fisheries in the Philippines.** Philippine Marine Capture Fisheries Profile (*In Press*). p. xx.
- Bene, C. and A.E. Neiland. Valuing Africa's inland fisheries: overview of current methodologies with an emphasis on livelihood analysis. NAGA: WorldFish Center Quarterly 26(3): 18-21.
- Bunce, L., R. Pomeroy, K.K. Viswanathan, E. Ferrer, G. Hodgson, S. Sair, B. Pestano-Smith and J. Tulungen. 2003. **Socioeconomic Monitoring Guidelines for Coastal Managers in Southeast Asia.** World Commission on Protected Areas and Australian Institute of Marine Science.
- Cesar, H. and C.K. Chong. 2003. **Economic Valuation and Socioeconomics of Coral Reefs: Methodological Issues and Three Case Studies.** *In* Ahmed, M., C.K. Chong and H. Cesar (eds.). 2003. Proceedings for International Consultative Workshop on Economic Valuation and Policy Priorities for Sustainable Management of Coral Reefs. WorldFish Conf Proc. p. 14-40. *(Location: SH207 CP6 #70.)*
- Chong, C.K., H. Cesar, M. Ahmed and H. Balasubramanian. 2003. **Future research directions in coral reef management**. *In* Ahmed, M., C.K. Chong and H. Cesar (eds). 2003. Proceedings for International Consultative Workshop on Economic Valuation and Policy Priorities for Sustainable Management of Coral Reefs. WorldFish Conf Proc. p. 204-209. *(Location: SH207 CP6 #70.)*

- Choo, P.S. and M.J. Williams. 2003. **Fisheries production in Asia: its role in food security and nutrition.** NAGA: WorldFish Center Quarterly 26(2): 11-16. April-June 2003.
- Christensen, V., L.R. Garces, G.T. Silvestre and D. Pauly. 2003. **Fisheries impact on the South China Sea Large Marine Ecosystem: A preliminary analysis using spatially-explicit methodology.** p. 51-62. *In* G. Silvestre, L. Garces, I. Stobutzki, C. Luna, M. Ahmed, R.A.V. Santos, L. Lachica-Aliño, P. Munro, V. Christensen, and D. Pauly (Eds.). Assessment, Management and Future Directions for Coastal Fisheries in Asian Countries. WorldFish Center Conference Proceedings 67, 1120 p. *(Location: SH207 CP6 #67.)*
- Delgado, C.L., N. Wada, M.W. Rosegrant and M. Ahmed. 2003. **Outlook for fish to 2020: meeting global demand.** IFPRI-WorldFish Center Discussion Paper. 28 p. (Location: SH207 M5D44 2003.)
- Delgado, C.L., N. Wada, M.W. Rosegrant, S. Meijer and M. Ahmed. 2003. **Fish to 2020: supply and demand in changing global markets.** Washington, D.C.; Penang, Malaysia: International Food Policy Research Institute; WorldFish Center. *(Location: SH207 TR4 #62.)*
- Delgado, C.L., N. Wada, M.W. Rosegrant, S. Meijer and M. Ahmed. 2003. **Outlook for fish to 2020: meeting global demand.** Washington, D.C.; Penang, Malaysia: International Food Policy Research Institute; WorldFish Center. *(Location: SH207 M5D44 2003.)*
- Delgado, C., M. Rosegrant, N. Wada, S. Meijer and M. Ahmed. 2002. **Fish As Food: projections to 2020 under different scenarios.** Markets and Structural Studies Division (MSSD) Paper No. 52. International Food Policy Research Institute, USA.
- Dey, M.M. and M. Prein. 2003. **Community-based fish culture in seasonally flooding ecosystems.** WorldFish Center Technical Report (*In Press*)
- Dey M.M., F.J. Paraguas and M.F. Alam. 2003. **Production, marketing, accessibility and consumption of aquaculture products in Asia: a cross-country comparison.** *In* M.M. Dey and R.P. Subasinghe (eds.) Production, Marketing, Accessibility, and Consumption Patterns of Freshwater Aquaculture Products in Asia. FAO Fisheries Technical Paper. (*In Press*). p. xx.
- Dey, M.M., F.J. Paraguas, R. Bhatta, M.F. Alam, M. Weimin, S. Piumsumbun and S. Koeshendrayana. 2003. **Carp production in Asia: past trends, current status and future prospects.** *In* Penman, D., M.V. Gupta and M.M. Dey (eds.) 2003. Carp Genetic Resources for Aquaculture in Asia. Penang, Malaysia: WorldFish Center. (*Forthcoming*). p. xx.
- Dey, M.M., M. Ahmed, K.M. Jahan and M.A. Rab. 2003. **Liberalization vs. barriers: experiences from selected countries in Asia.** *In* Fisheries in the Global Economy. Proceedings of the Biennial Conference of the International Institute on Fisheries Economics and Trade (IIFET) 2002. p. xx.

Dey, M.M., M.F. Alam, M. Weimin, S. Piumsumbun, R. Bhatta, S. Koeshendrayana and F.J. Paraguas. 2003. **Constraints to higher yield in carp farming: implications for future genetic research.** *In* Penman, D., M.V. Gupta and M.M. Dey (eds.) 2003. Carp Genetic Resources for Aquaculture in Asia. WorldFish Center, Penang, Malaysia (*Forthcoming*). p. xx.

Dey, M.M., R. Briones and M. Ahmed. 2003. **Modeling the Asian fish sector: issues, framework and method.** *In* Fisheries in the Global Economy. Proceedings of the Biennial Conference of the International Institute on Fisheries Economics and Trade (IIFET) 2002. p. xx.

Dugan, P. Investing in Africa: the WorldFish Center's African strategy in summary. Naga: WorldFish Center Quarterly 26(3): 4-8.

Froese, R. and R. Reyes. 2003. **Use them or lose them: the need to make collection databases publicly available.** Proceedings of the 18th International Congress of Zoology. (*In Press*). p. xx.

Garces, L.R. and G.T. Silvestre. 2003. An overview of the Fisheries Resources Information System and Tools (FiRST) version 2001: A database management system for storing and analyzing trawl survey data. p. 41-50. *In* G. Silvestre, L. Garces, I. Stobutzki, C. Luna, M. Ahmed, R.A.V. Santos, L. Lachica-Aliño, P. Munro, V. Christensen, and D. Pauly (Eds.). Assessment, Management and Future Directions for Coastal Fisheries in Asian Countries. WorldFish Center Conference Proceedings 67, 1120 p. (Location: SH207 CP6 #67.)

Garces, L.R., M. Alias, A. Abu Talib, M. Mohammad-Norizam and G.T. Silvestre. 2003. A trophic model of coastal fisheries ecosystem off the west coast of Sabah and Sarawak, Malaysia. p. 333-352. *In* G. Silvestre, L. Garces, I. Stobutzki, C. Luna, M. Ahmed, R.A.V. Santos, L. Lachica-Aliño, P. Munro, V. Christensen, and D. Pauly (Eds.). Assessment, Management and Future Directions for Coastal Fisheries in Asian Countries. WorldFish Center Conference Proceedings 67, 1120 p. *(Location: SH207 CP6 #67.)* 

Gardiner, P.R., L.S. Lim and G. John. 2003. **New biotechnology applications in fish.** Biotechnology and sustainable development: voices of the south and north. p. 113-124. *(Location: S494.5 B563S47.)* 

Gupta, M.V. Culture d'especesa cycle court en etangs saisonniers et fosses au Bangladesh. *In* Integration agriculture-aquaculture: principles de base et exemples. FAO Document Technique sur les peches. No. 407. Rome: FAO, 2003. p. 41-44. (*Location: SH1 F361 #407 2003.*)

Gupta, M.V. and F. Noble. **Elevage intetegre poules-poisson.** *In* Integration agriculture-aquaculture: principles de base et exemples. FAO Document Technique sur les peches. No. 407. Rome: FAO, 2003. p. 51-56. *(Location: SH1 F361 #407 2003.)* 

Hair, C. and P. Doherty. (2003) **Progress report on the capture and culture of presettlement fish from Solomon Islands.** SPC Live Reef Fish Bulletin 11: 13-18.

Jamu, D.M. and O.A. Ayinla. 2003. **Potential for the development of aquaculture in Africa.** Naga: WorldFish Center Quarterly 26(3): 9-13.

Jamu, D.M., K. Chaula and H. Hunga. 2003. A preliminary study on the feasibility of using fenced brushparks for fish production in Lake Chilwa, Malawi. Naga: WorldFish Center Quarterly 26(1): 4-8.

Jamu, D.M., R.E. Brummett, I. Mapeto, A. Monjeza, F. Makuwa and P. Bato. 2003. Implementation of a new participatory aquaculture research and extension policy/approach in Malawi: Results from pilot phase activities. Naga: WorldFish Center Quarterly (*Forthcoming*) xx.p. xx.

Lane, I., C.P. Oengpepa and J.D. Bell. (2003) **Production and grow out of the black-lip pearl oyster** (*Pinctada margaritifera*) Aquaculture Asia 8(1): 5-7.

Mustafa, M.G. 2003. **Preliminary Analysis of the Demersal Fish Assemblages in the Bangladesh waters of the Bay of Bengal.** p. 155-164. *In* G. Silvestre, L. Garces, I. Stobutzki, C. Luna, M. Ahmed, R.A.V. Santos, L. Lachica-Aliño, P. Munro, V. Christensen, and D. Pauly (Eds.). Assessment, Management and Future Directions for Coastal Fisheries in Asian Countries. WorldFish Center Conference Proceedings 67, 1120 p. *(Location: SH207 CP6 #67.)* 

Mustafa, M.G. 2003. **Trophic Model of the Coastal Ecosystem in the waters of Bangladesh, Bay of Bengal.** p. 263-280. *In* G. Silvestre, L. Garces, I. Stobutzki, C. Luna, M. Ahmed, R.A.V. Santos, L. Lachica-Aliño, P. Munro, V. Christensen, and D. Pauly (Eds.). Assessment, Management and Future Directions for Coastal Fisheries in Asian Countries. WorldFish Center Conference Proceedings 67, 1120 p. *(Location: SH207 CP6 #67.)* 

Noordeloos, M., J. Oliver, N. Nayan, Y. Yusuf, M. Tan, K. Foo and F. Shahriyah. **ReefBase: Improved data and incorporation for coral reef management, research and education.** Naga: WorldFish Center Quarterly 26(2), 2003. (flyer).

Oliver, J. and K. Teleki. **ICRAN - People and reefs: a partnership for management conservation and prosperity.** Proceedings of the 2nd International Tropical Marine Ecosystems Management Symposium (ITMEMS 2) (*In Press*)

Oliver, J. and R. Hermes. **Information coordination and dissemination: theme report.** Proceedings of the 2nd International Tropical Marine Ecosystems Management Symposium (ITMEMS 2) (*In Press*)

Pitt, R. and N.D.Q. Duy. (2003) **Breeding and culture of the sea cucumber** *Holothuria scabra* in Vietnam. Aquaculture Asia 8(1): 36-39.

Pitt, R. and N.D.Q. Duy. (2003) **How to produce 100 tonnes of sandfish.** SPC Bechede-mer Information Bulletin 18: 15-17.

Piumsombun, S., M.M. Dey and F.J. Paraguas. 2003. **Analysis of Demand for Fish consumed at home in Thailand.** *In* Fisheries in the Global Economy. Proceedings of the Biennial Conference of the International Institute on Fisheries Economics and Trade (IIFET) 2002.

Ponzoni, R.W. **Fish genetic improvement from a sustainable perspective.**Proceedings of Seminar on Sustainable Fishing and Fish Farming Practices, 8 March 2003, Kuala Lumpur, Malaysia. (*In Press*). p. xx.

Ponzoni, R.W. 2003. A systematic approach to advance and refine genetic improvement programs in aquatic species. Proceedings of the National Symposium for Genetic and Gene Banking of Fish and Shellfish, 29-20 March 2003, Central Institute of Fisheries Education, Mumbai, India. p. 9-16.

Power, R.M. Harvest of settlement stage reef fish for small-scale grow-out or stock enhancement; a feasibility study on the French Grunt, Haemulon flavolineatum. Proceedings of the 54th Gulf Caribbean Fisheries Institute (*In Press*). p. xx.

Ratner, B. 2003. Population, Environment, and Sustainability (Natural Resources 5480 at the University of Minnesota), and Sociology of Environmental Change (Sociology/Anthropology 231 at Carleton College) *In* R. Scarce and M. Mascarenhas (eds.). Syllabi and Instructional Material in Environmental Sociology. 5th ed. Washington, D.C.: American Sociological Association. p. xx.

Ratner, B. 2002. **Sustainability in the Mekong River Basin: An Experiment in Transboundary Governance.** *In* Walter Leal Filho (ed.), International Experiences on Sustainability. Berlin and New York: Peter Lang Scientific Publishing. p. xx.

Silvestre, G.T., L.R. Garces, I. Stobutzki, Ahmed, M., R.A. Valmonte-Santos, C.Z. Luna and W. Zhou. South and South-East Asian Coastal Fisheries: their status and directions for improved management: conference synopsis and recommendations. *In* Silvestre, G.T., L.R. Garces, C. Luna, M. Ahmed, R.A. Valmonte-Santos, L. Lachica-Alino, V. Christensen and D. Pauly (eds). Assessment, Management and Future Directions for Coastal Fisheries in Asian Countries. WorldFish Conf. Proc. no. 67. p. 1-40. *(Location: SH207 CP6 #67.)* 

Srivastava, S.K., R. Reyes, B. Fabres and A. Ponniah. 2002. **Mapping Indian fish diversity using historical occurrence data in FishBase.** Proceedings of the Second International Symposium on GIS/Spatial Analyses in Fishery and Aquatic Sciences, The University of Sussex, Brighton, U.K., 3-6 September 2002. (*In Press*) p. xx.

Sultana, P. and P. Thompson. 2003. **Methods of Consensus Building for Community Based Fisheries Management in Bangladesh and the Mekong Delta.** 

CAPRi Working Paper 30, CGIAR Systemwide Program on Collective Action and Property Rights, International Food Policy Research Institute, Washington.

Sultana, P. and P. Thompson. 2003. **Use of fishers knowledge in community management in fisheries in Bangladesh.** *In* Baird, I. (ed) Putting Fishers Knowledge to Work. (*Forthcoming*). p. xx.

Torell, M. and A.M. Salamanca. 2003. **Wetlands management in Vietnam's Mekong Delta: an overview of the pressures and responses.** Wetlands management in Vietnam: issues and perspectives. Penang, Malaysia: WorldFish Center. p. 1-19. (Location: SH207 TR4 #61.)

Torrell, M., A.M. Salamanca and B.D. Ratner. **Introduction: Cambodian Wetlands in Perspective.** In Torell, M., A. Salamanca and B.D. Ratner, editors. 2004. Wetlands Management in Cambodia: Socioeconomic, Ecological, and Policy Perspectives. Penang, Malaysia: WorldFish Center. p. ix-x. (Location: SH207 TR4 #64.)

Williams, M.J. 2003. **Fish for All Initiative: a Global Effort to Sustain Benefits from Fisheries.** *In* Fish for All: National Launch, Kolkata, India, December 18-19, 2003. Organized by WorldFish Center, Government of India & West Bengal and M. S. Swaminathan Research Foundation. p. 123-129.

Williams, M.J. 2003. **Message from Dr. Meryl J. Williams.** *In* Fish for All: National Launch, Kolkata, India, December 18-19, 2003. Organized by WorldFish Center, Government of India & West Bengal and M. S. Swaminathan Research Foundation. p. xx.

Williams, M.J. 2003. **A year for action and reflection.** *In* Freshwater Future. Ingleton, J. (ed.). U. K.: Tudor Rose. p. 24-25.

Williams, M.J. and P.S. Choo. 2003. **The digital divide: your role in bridging the gap in aquatic library services for the disconnected.** *In* Bridging the digital divide: Proceedings of the 28th Annual Conference of the International Association of Aquatic and Marine Science Libraries and Information Centers (IAMSLIC). Markham, J.W. and A.L. Duda (eds.). IAMSLIC, Fort Pierce, Florida. p. 19-32.

Williams, M.J. and P.S. Choo. **Fish Production in Asia: its role in nutrition and food security.** Proceedings of the Asian Nutrition Conference, New Delhi, India. (*In Press*). p. xx.

Williams, M.J., P.S. Choo. Role of the private sector in technology transfer and capacity building in sustainable aquaculture. *In* Proceedings of the Norway/UN Conference on Technology Transfer and Capacity Building: Trondheim, Norway: Norwegian Directorate for Nature Management. p. 161-170. *(Location: T174.3 N67 2003.)* 

## **Papers Presented**

Ablan, M.C.A. **Genetic diversity and the management of coral reef resources in the Indo-West Pacific: issues, needs and the way forward.** Symposium of Phylogeography of West Pacific, Institute of Zoology, Academia Sinica, Taipei, Taiwan. 28 February - 6 March 2003.

Ablan, M.C.A. **Molecular genetics and their application to the management of coastal fisheries.** Recent Advances in Coral Reef Science and Management, WorldFish Center, Penang, Malaysia. 11 April 2003.

Ablan, M.C.A. **Molecular genetics research opportunities for characterization and breeding of fish in developing countries.** National Research Institute for Aquaculture, Fisheries Research Agency; Tohoku University and University of Tokyo. July 14-August 23, 2003.

Ahmed, M., G. Umali, C.K. Chong and M.F. Rull. 2003. Valuation of recreation benefits: an application of the travel cost method to the Bolinao coral reefs in the Philippines. International Consultative Workshop for Economic Valuation and Policy Priorities for Sustainable Management of Coral Reefs, 8-10 December 2001, Penang, Malaysia. (Location: SH207 CP6 #70.)

Ahmed, M., M.S. Haque and R.A. Valmonte-Santos. 2003. A socioeconomic analysis of sustainable management of coastal fish stocks in South and South East Asia. International Consultative Workshop for Economic Valuation and Policy Priorities for Sustainable Management of Coral Reefs, 8-10 December 2001, Penang, Malaysia. (Location: SH207 CP6 #70.)

Alam, M.F. 2003. **Agricultural diversification in Bangladesh.** A paper to be presented at an international workshop on Agricultural Diversification and Vertical Integration in South Asian Countries: Can Smallholders Harness the Opportunities, organized by FICCI, ICRISAT and IFPRI, New Delhi 5-6 November 2003.

Alam, M.F. 2003. **Towards Poverty Alleviation: The Potential of Fisheries in Bangladesh.** Paper presented at the Fishweek 2003 BIAM auditorium, Dhaka, Bangladesh on 13 August 2003. 13 p.

Alam, M.F., M.M. Dey and F.J. Paraguas. 2003. **Fish Consumption Behaviour of Different Income groups: Preliminary Findings from Inland Areas of Bangladesh.** A paper presented in a workshop on Strategies and Optuions for Increasing and Sustaining Fisheries and Aquaculture Production to Benefit the Poor Households in Bangladesh, held at DOF Conference room, Dhaka, Bangladesh 05 June 2003.

Balasubramanian, H., M. Ahmed and C.K. Chong. 2003. Estimating the 'Total Economic Value' of Coral Reefs in South East Asia and the Caribbean: Trends Identified, Lessons Learned and Directions for Future Research. Second International Tropical Marine Ecosystems Management Symposium (ITMEMS2), 24-28 March, 2003, Manila, Philippines.

- Bell, J.D. Creating new livelihood options through restocking sea cucumbers and farming pearl oysters. Recent Advances in Coral Reef Science and Management, WorldFish Center, Penang, Malaysia. 11 April 2003.
- Bell, J.D. **Restocking sea cucumbers.** Bureau of Fisheries and Aquaculture-WorldFish Center Workshop to identify research areas for collaboration, Los Banos, Philippines. 28 May, 2003.
- Bell, J.D. and D. Jamu. Assessing the potential for restocking, habitat enhancement, fish sanctuaries and aquaculture to restore production of Chambo in Malawi. National Stakeholders Consultative Forum on Restoration of Chambo, Malawi. 13-16 May 2003.
- Bell, J.D. and W.J. Nash. When should restocking and stock enhancement be used to manage sea cucumber fisheries? Advances in Sea Cucumber Aquaculture and Management, Dalian, China, 14-17, October, 2003.
- Chong, C.K., M. Ahmed and H. Balasubramanian. 2003. **Estimation of Economic Value of Coral Reefs at the Caribbean: A Meta-Analysis.** Second International Tropical Marine Ecosystems Management Symposium (ITMEMS2), 24-28 March, 2003, Manila, Philippines.
- Garces, L. **Current contents and format of FiRST.** Global Public Goods: Databases, Databases Integration Workshop, WorldFish Center, Penang, Malaysia. 29-30 April 2003.
- Garces, L. Regional overview of the coastal fisheries project in Asia and insights on sustainability indicators for capture fisheries. Demand-Supply Project workshop on Aquaculture technologies and fishing practices in Asia. WorldFish Center, Penang, Malaysia. 17-27 March.
- Jahan, K.M. 2003. **Transaction Cost and resource rent of the Fisheries Co-management System at the Oxbow Lakes (Baors) in Bangladesh.** A paper presented at an international workshop on Community Participation in Fisheries management on Lake Victoria, held at Kisumu, Kenya 7-9 October, 2003.
- Kamsiah, M.A. 2003. **Bridging the divide: the WorldFish Center initiatives.** Paper presented at the Conference on Changes and Challenges of Public Library Services to Bridge the Digital Divide, 23-25 June 2003, Penang, Malaysia.
- Kamsiah, M.A. 2003. **Bridging the divide: the WorlFish Center initiatives.**Conference on Changes and Challenges of Public Library Services to Bridge the Digital Divide, 23-25 June 2003, Penang, Malaysia.
- Munro, J.L. Assessment and management of Caribbean coral reef fisheries. Recent Advances in Coral Reef Science and Management, WorldFish Center, Penang, Malaysia. 11 April 2003.

Nash, W.Le. WorldFish Center dans le Pacifique et Nouvelle Caledonie. Workshop to review the status and potential of aquaculture in New Caledonia, June, 2003.

Noordeloos, M. and J. Oliver. ReefBase: a global information system to promote sustainable use and management of coral reefs. 2nd International Tropical Marine Ecosystems Management Symposium (ITMEMS 2), Manila, Philippines. March 24-27, 2003.

Oliver, J.K. International Coral Reef Action Network. 2nd International Tropical Marine Ecosystems Management Symposium (TMEMS2), Manila, Philippines. March 24-27, 2003.

Oliver, J.K. ReefBase: A Global Information System on Coral Reefs. Islands and Reefs: Towards Conservation and Sustainable Management, Kuala Lumpur, Malaysia. 15-16 August, 2003.

Oliver, J.K. ReefBase - a new management tool for coral reefs. Recent Advances in Coral Reef Science and Management, WorldFish Center, Penang, Malaysia. 11 April 2003.

Pitt, R. and N.D.Q. Duy. **Sandfish breeding and rearing in Vietnam.** Advances in Sea Cucumber Aquaculture and Management, Dalian, China, 14-17, October, 2003.

Purcell, S. Criteria for release strategies and evaluating the restocking of sea cucumbers. Advances in Sea Cucumber Aquaculture and Management, Dalian, China, 14-17, October, 2003.

Ramofafia, C., I. Lane and C. Oengpepa. **Customary marine tenure in Solomon Islands: a shifting paradigm for management of sea cucumber in artisanal fisheries.** Advances in Sea Cucumber Aquaculture and Management, Dalian, China, 14-17, October, 2003.

Ramos, M., Y. Soeripto and M.A. Kamsiah. 2003. **Cultivating communities of practice: the CGIAR information management professional's experience.** 6th Congress of SEA Librarians Conference, 19-23 October 2003, Brunei.

Ramos, M., Y. Soeripto and M.A. Kamsiah. 2003. **Cultivating communities of practice: the CGIAR information management professional's experience.** Paper presented at the 6th Congress of SEA Librarians Conference, 19-23 October 2003, Brunei.

Shamsuddoha, M. and J. Janssen. 2003. Integrated Agriculture-Aquaculture (IAA) - A way to Aquaculture Sustainability in the Bhola Island, Bangladesh. East Asia Sea (EAS) Congress 2003, 8 - 12 December 2003, Penang, Malaysia. (accepted)

Silvestre, G. Regional overview of the coastal fisheries project and key results. National Conference on Management of Coastal Fisheries in Malaysia, Kuala Lumpur,

Malaysia. 11-12 March, 2003.

Silvestre, G. Resource analysis and management recommendations for Malaysia. National Conference on Management of Coastal Fisheries in Malaysia, Kuala Lumpur, Malaysia. 11-12, March 2003.

Stobutzki, I. Marathon swimmers and expert navigators: the behavior of larval coral reef fish. Recent Advances in Coral Reef Science and Management, WorldFish Center, Penang, Malaysia. 11 April 2003.

Stobutzki, I. **Overview of FiRST and its future directions.** Global Public Goods: Databases, Databases Integration Workshop, WorldFish Center, Penang, Malaysia. 29-30 April 2003.

Viswanathan, K.K. 2003. Law, Enforcement and Monitoring, Control and Surveillance (MCS) for small-scale fisheries. Paper presented at the ASEAN/SEAFDEC Regional Workshop on Innovative Fisheries Management Approaches in Southeast Asia: Rights based Fisheries and Decentralization. 6-9 May.

Viswanathan, K.K. and M. Ahmed. 2003. **Findings from co-management activities in different parts of the world.** Paper presented at the National Conference on Management of Coastal Fisheries in Malaysia. 11-12 March. Kuala Lumpur, Malaysia.

Viswanathan, K.K. and M. Ahmed. 2003. **Key Examples of Co-management activities and insights on possibilities of implementation in Malaysia.** Paper presented at the National Conference on Management of Coastal Fisheries in Malaysia. 11-12 March, Kuala Lumpur, Malaysia.

Williams, M.J. 2003. **Achieving Water and Fish for All in the Philippines.** On the Occasion of the 15th Anniversary of the Philippine Council for Aquatic and Marine Research and Development, 30 January 2003.

Williams, M.J. 2003. **Bangladesh fisheries: future options.** Presentation to the Secretary, Ministry of Fisheries and Livestock, 5 April, Dhaka, Bangladesh.

Williams, M.J. 2003. **Diversitas: an international framework for biodiversity research.** Presented to Steering Committee of the Census of Marine Life, Hobart, Australia, 21 January 2003.

Williams, M.J. 2003. Financing the Research Agenda and Providing Incentives for Sound Financial Management. Presented at 'Towards a Common Understanding of WorldFish Science, Partnerships and Impact', WorldFish Science Week, 26 August 2003, Equatorial Hotel, Penang.

Williams, M.J. 2003. **Fish for All: an initiative of inclusion.** Public Lecture presented at the M.S. Swaminathan Research Foundation, 8 July, Chennai, India.

Williams, M.J. 2003. **Fishery Trends and Research Issues.** Inaugural Session, National Planning Workshop on Fisheries Research and Development, 2 April 2003. BARC Auditorium, Farm Gate, Dhaka, Bangladesh, 6pp.

Williams, M.J. 2003. **Fishery Trends and Research Issues.** Inaugural Session, National Planning Workshop on Fisheries Research and Development, 2 April 2003. BARC Auditorium, Farm Gate, Dhaka, Bangladesh.

Williams, M.J. 2003. **Full Cost Recovery.** Presentation to Center Directors Committee, 12 May 2003, at ISNAR, the Hague, Netherlands.

Williams, M.J. 2003. **Future Harvest Alliance.** Presentation to Center Directors Committee, 11 May and to joint meeting of Center Directors Committee and Committee of Board Chairs, 13 May 2003, at ISNAR, the Hague, Netherlands.

Williams, M.J. 2003. **Global warming and people who live from the sea: change, crisis and conflict management.** People and the Sea II, MARE, Amsterdam, 6 September 2003.

Williams, M.J. 2003. Leaders at All Levels: a key initiative of the WorldFish Center. Opening remarks presented at the Leaders at All Levels Retreat, 21 August 2003, Penang, Malaysia.

Williams, M.J. 2003. **Opening Remarks.** Planning Meeting, Bureau of Aquatic Resources and Fisheries and WorldFish Center, 28 May 2003, 2pp.

Williams, M.J. 2003. **Opening Remarks.** Inception Workshop on Capacity Building for the Inland Fisheries Research and Development Institute (IFReDI), 10-12 June 2003, IFReDI, Department of Fisheries (DOF), Phnom Penh, Cambodia. 2pp.

Williams, M.J. 2003. **Opening Remarks.** Inception Workshop on Capacity Building for the Inland Fisheries Research and Development Institute (IFReDI), 10 June 2003, IFReDI, Department of Fisheries (DOF), Phnom Penh, Cambodia.

Williams, M.J. 2003. Opening Remarks: Strengthening Integrated Production Systems for Environmentally-Sound Aquaculture. United States Department of Agriculture Conference on Agriculture Technology, Sacramento, California, 24 June 2003.

Williams, M.J. 2003. **Overview of WorldFish Center Program.** Presentation to Sarawak Minister of Agriculture during his visit to WorldFish Headquarters, March 2003.

Williams, M.J. 2003. **Penang and fish.** Presentation to Divsersitas Scientific Committee, 9 April 2003, Paris.

Williams, M.J. 2003. **Putting Fisheries Science to Work for the Poor.** Norway-WorldFish Center Partnership Meeting, 4 September 2003, Institute of Marine Research, Bergen, Norway.

Williams, M.J. 2003. **Putting Fisheries Science to Work for the Poor.** 5 Spetember 2003, presentation to Post Graduate Students, University of Bergen, Norway.

Williams, M.J. 2003. **Putting Fisheries Science to Work for the Poor.** United Kingdom - WorldFish Center Partnership Meeting, 8 September 2003, Imperial College, London, UK.

Williams, M.J. 2003. Report on the 2003 Meeting of the FAO Committee on Fisheries, 24-28 February 2003, Rome. Seminar at WorldFish HQ, March 2003.

Williams, M.J. 2003. The role of information and knowledge management in fisheries development. National Fisheries Symposium, 18 February 2003, Renaissance Kota Bharu Hotel, Kelantan, Malaysia.

Williams, M.J. 2003. **Role of the private sector in technology transfer and capacity building in sustainable aquaculture.** Technology Transfer and Capacity Building, Trondheim Biodiversity Conference, Trondheim, Norway, 26 June 2003. (*Location: T174.3 N67 2003.*)

Williams, M.J. 2003. **Welcome Remarks.** National Conference on Management of Coastal Fisheries in Malaysia, 11-12 March 2003, 6pp.

Williams, M.J. 2003. **Welcome Remarks.** Seminar on Outlook for Tilapia Farming Industry in Malaysia, 25-26 March 2003, Melaka, 2pp.

Williams, M.J. 2003. **Welcome Remarks.** National Conference on Management of Coastal Fisheries in Malaysia, 11-12 March 2003.

Williams, M.J. 2003. **WorldFish Center Assets and the Private Sector.** Presentation to the Malaysian members of the WorldFish Business Advisory Group, 15 July 2003, WorldFish Center Headquarters, Penang.

Williams, M.J. 2003. **WorldFish Center Assets and the Private Sector.** Presentation to the Australian members of the WorldFish Business Advisory Group, 1 August, Sydney, Australia.

Williams, M.J. 2003. **WorldFish Center in 2003: Denmark and WorldFish Partnerships in Development.** Presented at Roundtable Discussion, Copenhagen.

Williams, M.J. 2003. **WorldFish Center in the Global Food R&D Community.**Presented at 'Towards a Common Understanding of WorldFish Science, Partnerships and Impact', WorldFish Science Week, 25 August 2003, Equatorial Hotel, Penang.

Williams, M.J. and E. Sayegh. 2003. **Developing Performance Indicators for CGIAR Centers.** Presented at 'Towards a Common Understanding of WorldFish Science, Partnerships and Impact', WorldFish Science Week, 29 August 2003, Equatorial Hotel, Penang.

Williams, M.J. and I. Bryceson. 2003. **Learning about Malaysian fisheries.** Seminar at WorldFish Headquarters, 6 June 2003.

Williams, M.J. and P.S. Choo. 2003. **Achieving Water and Fish for All in the Philippines.** On the Occasion of the 15th Anniversary of the Philippine Council for Aquatic and Marine Research and Development, 30 January 2003, 14 pp.

Williams, M.J. and P.S. Choo. 2003. **Global warming and people who live from the sea: change, crisis and conflict management.** People and the Sea II, MARE, Amsterdam, 4-6 September 2003. 16pp.

Williams, M.J. and P.S. Choo. 2003. **Opening Remarks: Strengthening Integrated Production Systems for Environmentally-Sound Aquaculture.** United States Department of Agriculture Conference on Agriculture Technology, Sacramento, California, 23-25 June 2003. 4pp.

Williams, M.J. and P.S. Choo. **The role of information and knowledge management in fisheries development.** National Fisheries Symposium, 18-20 February 2003, Renaissance Kota Bharu Hotel, Kelantan, Malaysia, 13 pp.

Williams, M.J., J. Kane-Potaka and J. Bell. 2003. **Resource Mobilization and Strategic Marketing.** Presented at 'Towards a Common Understanding of WorldFish Science, Partnerships and Impact', WorldFish Science Week, 26 August 2003, Equatorial Hotel, Penang.