**B I O D A T A**

**A. Personal Data**

Jurgenne Honculada Primavera

Born 22 February 1947; Butuan City, Philippines

Home Address: 155 Bonifacio St.

 Arevalo, Iloilo City 5000, Philippines

Office Address:  Zoological Society of London

   43-E Burgos St., Bgy. Magdalo

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**B. Education**

B.S. Zoology *cum laude*, University of the Philippines, 1966

M.A. Zoology, Indiana University, 1969

Ph.D. Marine Science, University of the Philippines (Diliman), 1996

National Science Development Board (NSDB) Scholar, University of the Philippines, 1962-1966

Ford Foundation-Education Projects, Inc. Fellow, Indiana University, 1968-1969

Philippine Council for Aquatic and Marine Research and Development Scholar (PhD), 1992-1994

**C. Awards and Honors**

Member, Phi Sigma Society of the Biological Sciences, Alpha Chi Chapter, 1965

Member, Pi Gamma Mu International Social Science Honor Society, Philippines Alpha Chapter, 1966

Member, Phi Kappa Phi International Honor Society, 1966

Awardee, Rajah Siagu Award (Most Outstanding Citizen in the Field of Science and Technology), National Commission on the Role of Filipino Women, Butuan City Chapter, 1979

Awardee, 2nd Dr. Elvira O. Tan Memorial Award for Best Published Paper in Aquaculture/Inland Fisheries, Philippine Council for Aquatic and Marine Research and Development, 12 July 1988 (Millamena, O.M., J.H. Primavera, R.A. Pudadera and R.V. Caballero. 1986. The effect of diet on the reproductive performance of pond-reared *Penaeus monodon* Fabricius broodstock, pp. 593-596. In: J.L. Maclean, L.B. Dizon and L.V. Hosillos (eds.) Proceedings of the First Asian Fisheries Forum. The Asian Fisheries Society, Manila)

Awardee, 8th Dr. Elvira O. Tan Memorial Award for Best Published Paper in Aquaculture, Philippine Council for Aquatic and Marine Research and Development, 20 July 1994 (Primavera, J.H., Lavilla-Pitogo, C.R., Ladja, J.M. and M.R. dela Pena. 1993. A survey of chemical and biological products used in intensive prawn farms in the Philippines. Mar. Poll. Bull. 26 (1): 35-40)

Awardee, Gawad Senternaryo: Kababaihang Makasaysayan, National Centennial Commission Women Sector, Century Park Hotel, Manila, 4 June 1999

Awardee, 14th Dr. Elvira O. Tan Memorial Award for Best Published Paper in Aquaculture, Philippine Council for Aquatic and Marine Research and Development, 21 July 2000 (Primavera, J.H. 1998. Tropical shrimp farming and its sustainability. In: Tropical Mariculture [S. de Silva, ed.], pp. 257-289. Academic Press, London)

Department of Agriculture Secretary Award for Best Paper in Published Research Category 13th National Research Symposium, DA Bureau of Agricultural Research, Diliman Q.C., 2 Oct. 2001 (Primavera, J.H. and E.T. Quinitio. 2000. Runt deformity syndrome in wild and cultured giant tiger prawn *Penaeus monodon*. J. Crust. Biol. 20(4): 796-802)

Foreign Member, General Section, Swedish Royal Academy on Agriculture and Forestry, Dec. 2002

Awardee, 18th Dr. Elvira O. Tan Memorial Award for Best Published Paper in Aquaculture, Philippine Council for Aquatic and Marine Research and Development, Legaspi City, 25 July 2004 (Primavera, J.H. 2000. Integrated mangrove-aquaculture systems in Asia. Integrated Coastal Zone Management. Autumn edition: pp. 121-130)

Doctorate of Philosophy *honoris causa*, Faculty of Science, Stockholm University - Stockholm City Hall, 24 Sept. 2004

Fellow, Pew Fellows Program in Marine Conservation, Pew Institute for Ocean Science, University of Miami Rosenstiel School, Florida, U.S.A.,7 Feb. 2005

House of Representatives Resolution No. 38 Commending Filipino Scientist Dr. Jurgenne Honculada Primavera for Being Chosen as One of the World’s Top Five Pew Fellows in Marine Conservation for the Year 2005, 13th Congress, Republic of the Philippines, 9 March 2005

Sangguniang Panlalawigan ng Iloilo (Iloilo Provincial Board) Resolution No. 2005-062 commending Ms. Jurgenne Honculada Primavera for winning the “Pew Fellow in Marine Conservation Award, the World’s Most Prestigious Award in Marine Conservation by the Pew Institute for Ocean Science last February 7, 2005”, sponsored by Hon. Jeneda C. Salcedo, 5 April 2005

Plaque of Recognition, Province of Iloilo, Semana sang Iloilo, 15 April 2005

Awardee, Five Outstanding Butuanons, BalikButuan2005, Butuan City, 21 May 2005

Outstanding Book Award (Primavera JH, RB Sadaba, MJHL Lebata, JP Altamirano. *Handbook of Mangroves in the Philippines - Panay*. SEAFDEC Aquaculture Department and UNESCO MAB-ASPACO, 2004), 27thAnnual Scientific Meeting, National Academy of Science and Technology, Manila Hotel, Manila, 13-14 July 2005

Finalist, Outstanding Filipino Women in Fisheries and Aquatic Resources Research, Development and Industry OFWFARRDI), Philippine Council for Aquatic and Marine Resources and Development (PCAMRD), Philippine Trade Center, Metro Manila, 18 July 2005

8th Quadrennial General Assembly Award (Plaque of Great Distinction) of the United Church of Christ in the Philippines, Digos City, Davao del Sur, 24-29 May 2006

Corresponding Member, Natural and Medical Sciences Section, Royal Belgian Academy for Overseas Sciences (*Academie Royale des Sciences D’Outre-Mer*), Brussels, Belgium, 24 January 2007

Scientist Emerita, Aquaculture Department, Southeast Asian Fisheries Development Center (SEAFDEC/AQD), Tigbauan, Iloilo, Philippines, 22 Feb. 2007

Awardee, 50 Men and Women of Science, Department of Science and Technology, Manila Hotel, 17 Sept. 2008

Awardee, Heroes of the Environment, *TIME Magazine*, 6 Oct. 2008

Senate Resolution No. 695 Commending Dr. Jurgenne H. Primavera, a Filipino Scientist Named One of the International “Heroes of the Environment” and “Protectors of the Planet” in the Special Annual issue of *Time Magazine* of 6 October 2008, 14th Congress of the Republic of the Philippines, 2008

2009 University of the Philippines Alumni Association Distinguished Alumni Award in Environmental Conservation and Sustainable Development, UPAA General Alumni-Faculty Homecoming, Ang Bahay ng Alumni, U.P. Diliman Campus, Quezon City, 20 June 2009

Awardee, 8th Dr. Elvira O. Tan Memorial Award for Best Published Paper in Aquaculture and Inland Fisheries, Philippine Council for Aquatic and Marine Research and Development, 24 July 2009 (Lebata, M.J.H.L., L. Le Vay, M.E. Walton, J.B. Binas, E.T. Quinitio, E.M. Rodriguez and J.H. Primavera. 2009. Evaluation of hatchery-based enhancement of the mudcrab, *Scylla* spp., fisheries in mangroves: comparison of species and release strategies. Mar. Freshwat. Res. 60: 58-69)

Awardee, Most Outstanding Alumna, University of the Philippines Delta Lambda Sigma Sorority, Pasig City, 14 Mar. 2010

Awardee, *8 Filipina na Alagad ng Kalikasan* (8 Filipina Stewards of the Environment), University of the Philippines Delta Lambda Sigma Alumnae Association, Liongoren Gallery, Cubao, Quezon City, 25 March 2010

*Panday Pira* Awardee for Technology & Invention, *Pinoy* Icon 2010 - Modern Day *Ilonggo* Heroes, SM City Iloilo, ABS-CBN Iloilo and Junior Chamber International Regatta, Iloilo City, 12 June 2010

Outstanding Book Award (Primavera JH and RB Sadaba. 2012. Beach Forest Species and Mangrove Associates in the Philippines. SEAFDEC Aquaculture Department, Iloilo, Philippines and UNESCO Office, Jakarta. 157 p.), 35thAnnual Scientific Meeting, National Academy of Science and Technology, Manila Hotel, Manila, 11-12 July 2013

Awardee, 2013 Green Guardians Awards, *The Daily Guardian* in partnership with Megaworld Corp., Hotel del Rio, Iloilo City, 24 July 2013

Member, National Academy of Science and Technology, elected 29 May 2015 and invested 29 July 2016, Manila Hotel, M. Manila

Certificate of Recognition – Manual for community-based mangrove rehabilitation. Mangrove Manual Series No. 1. (2012) by Primavera JH, Savaris JD, Bajoyo B, Coching JD, Curnick DJ, Golbeque R, Guzman AT, Henderin JQ, Joven RV, Loma RA & Koldewey HJ. London, UK: Zoological Society of London. National Academy of Science and Technology, Manila Hotel, 12 July 2018

Shinkishi Hatai Medal from the Pacific Science Association, announced by Dr. H. Nishida, Hatai Medal Selection Committee, 19 Nov. 2019

**D. Professional Employment and Administrative Designations**

Instructor, Assistant Professor, Department of Biology, Mindanao State University, Marawi City, Philippines, 1966-1975

Senior Lecturer, College of Fisheries, University of the Philippines, 1977-1982, 1988

Instructor, UNDP/FAO/SEAFDEC/UPV Training Program for Senior Aquaculturists in Asia and the Pacific Region, Iloilo, Philippines, 1981-1982, 1988

Programme Officer, Network of Aquaculture Centres in Asia (NACA)/RLCP SEAFDEC/AQD, 1986

Project Leader, Culture and Management of *Scylla* Species, European Commission (Contract No. ICA4-CT-2001-10022), 2002 - 2004

Researcher/Scientist/Senior Scientist (1975-2007), Training Division Head (1987-1990), Research Division Head (2004), Aquaculture Department, Southeast Asian Fisheries Development Center (SEAFDEC/AQD), Tigbauan, Iloilo, Philippines, April 1975 to Feb. 2007

Project Manager, Community-Based Mangrove Rehabilitation in the Philippines, Zoological Society of London, U.K., July 2008-July 2012

Chief Mangrove Scientific Advisor, Zoological Society of London, 2012 to present

**E. National/International Organizations and Projects**

Member, American Association for the Advancement of Science, 1970

Member, Biology Teachers Association of the Philippines, Inc., 1971-1974

Secretary, Federation of Institutions for Marine Science, 1973-1974

Reviewer, Science Education Center, University of the Philippines, 1969-1971

Fellow, Philippine Association for the Advancement of Science, 1980

Member, PCARR National Fisheries Research Commodity (Aquaculture) Team, 1981-1984

Member, Program Advisory Group, Aquaculture Industry Development Program, 1983-1984

Member, National Experts Team of the Aquaculture RDE Network, Bureau of Agricultural Research, Department of Agriculture

Member, Asian Fisheries Society, 1986

Member, World Aquaculture Society, 1987

Member, Editorial Board, *Asian Fisheries Science*, 1994

President, Philippine Association of Marine Science, 1999-2001

Associate Member, National Research Council of the Philippines, elected 26 Oct. 2001

Member, Steering Committee, Commission on Environmental, Economic and Social Policy, World Conservation Union, Geneva, 2002

Member, Steering Committee, Asia-Europe Meeting (ASEM), Feb. 2003

Scientific Adviser, International Foundation for Science, Stockholm, Sweden, 2004 - 2012

External Expert, AARM Field of Study, School of Environment, Resources and Development, Asian Institute of Technology, Thailand, 1 Jan. 2005-1 Jan. 2006

Expert Witness for DA-Bureau of Fisheries Region 6, Civil Case No. 04-27222 (Issuance of TRC on FLA fee), Regional Trial Court, 6th Judicial Region, Branch 33, Iloilo City, 14 Feb. 2005

Member, St. Paul University System Advisory Committee, 16 Feb. 2005

Member, Writing Group on Measuring Ecological, Economic and Social Values of Coastal Habitats to Inform Ecosystem-Based Management of Land-Sea Interfaces, NCEAS, Univ. of California, Sta. Barbara, USA, 2006-2008

Member, Project Seahorse Board of Trustees, Bohol, Philippines, 2006-2008

Member, Science Advisory Committee, WorldFish Center, Penang, Malaysia, 2007–2010

Member, Board of Trustees, Philippine Tropical Forest Conservation Foundation, 2009-2014

Chair, Project Seahorse Board of Trustees, Bohol, Philippines, 2010

Chief Mangrove Scientific Advisor, Zoological Society of London, U.K., July 2012

Technical Adviser, Ecosystem-based Adaptation Program in the Verde Island Passage Philippines, Conservation International, Sept. 2012

Opponent, Examination Committee, Ph.D. thesis defense of E. Tendencia, Wageningen University, Netherlands, 2 Oct. 2012

Co-Chair, Mangrove Specialist Group of the IUCN Species Survival Commission, Switzerland, Dec. 2012-July 2016

Member, Mangrove Specialist Group of the IUCN Species Survival Commission, Switzerland, 2012-present

Member, International Scientific Advisory Committee on Biosphere Reserves, UNESCO Man and the Biosphere Program, Paris, 1 Jan. 2016-31 Dec. 2018

Examiner, M.S. thesis (Fate of Existing *Rhizophora* Plantations against Super Typhoon Haiyan: Mass Mortality Beyond Age-Thresholds – B.M.R. Villamayor), Institute of Environmental Science and Meteorology, College of Science, University of the Philippines Diliman, Q.C., 25 Mar. 2016

Critic, M.S. thesis (Fishery, Stock Assessment and Biology of the Senatorial Scallop *Chlamys senatoria* (Gmelin, 1791) in Gigantes Islands, Carles, Central Philippines, - L.M. Manalo). College of Fisheries and Ocean Sciences, University of the Philippines Visayas, Miagao, Iloilo, 18 May 2016

Member, Scientific Advisory Panel, Palawan Council for Sustainable Development (PCSD-SAP), 2016-2019, 2020-2022

Member, Board of Trustees (Visayas Representative), Foundation for the Philippine Environment, Quezon City, 1 July 2016-30 June 2020

Member (representing Low and Middle Income Countries), Future Earth Assembly, 24 August 2021 to present

Member (representing the Private Sector), Board of Trustees, National Museum of the Philippines, 27 August 2021-26 August 2025

Member, Scientific Advisory Group (Civil Society representative), Fisheries Management Area (FMA) 11, 17 Sept. 2021

**F. Publications**

*As first author*

Primavera J.H. 1967. The Mindanao State University science program: Its role in science in the Philippines. Science Review. 8: 24-26

Primavera, J.H. 1971. M.S.U. Laboratory Manual for Basic Biology (revised 1974). Mindanao State University, Marawi City, 71 pp. (mimeo)

Primavera, J.H. 1974. The tidal flat as an outdoor laboratory. Philipp. Biota 8:98-101

Primavera, J.H. 1976. Survival rates of different *Penaeus monodon* Fabricius postlarval stages. Philipp. J. Sci. 105:103-109

Primavera, J.H. and F. Apud. 1976. Pond culture of sugpo (*Penaeus monodon* Fabricius). Philipp. J. Fish. 14:160-190

Primavera, J.H., F. Apud and C. Usigan. 1976. Effect of different stocking densities on growth and survival of sugpo (*Penaeus monodon* Fabricius) in a milkfish rearing pond. Philipp. J. Sci. 105:193-203

Primavera, J.H., E. Borlongan and R.A. Posadas. 1977. Viability of *Penaeus monodon* eggs after simulated transport conditions. SEAFDEC Aquaculture Department Quarterly Research Report 1:11-13

Primavera, J.H. 1978. Induced maturation and spawning in five-month old *Penaeus monodon* Fabricius by eyestalk ablation. Aquaculture 13:355-359

Primavera, J.H. and E. Borlongan. 1978. Ovarian rematuration of ablated sugpo *Penaeus monodon* Fabricius. Ann. Biol. an. Bioch. Biophys. 18:1067-1072

Primavera, J.H., E. Borlongan and R.A. Posadas. 1978. Mass production in concrete tanks of sugpo *Penaeus monodon* Fabricius spawners by eyestalk ablation. Fish Res. J. Philipp. 3:1-12

Primavera, J.H. 1979. Notes on the courtship and mating behavior in *Penaeus monodon* Fabricius. Crustaceana 37:287-292

Primavera, J.H. 1979. Prawn broodstock development and reproduction. SEAFDEC-PCARR Technology Consultation on Available Aquaculture Technology in the Philippines, 3-11 Feb. 1979, pp. 124-127

Primavera, J.H. and W.G. Yap. 1979. Status and problems of broodstock and hatchery management of sugpo (*Penaeus monodon*) and other penaeids. PCARR Symposium Workshop on Fish Hatchery/Nursery Development and Management, Metro Manila, 27-29 Sep. 1979, pp. 124-127

Primavera, J.H., C. Lim and E. Borlongan. 1979. Feeding regimes in relation to reproduction and survival of ablated *Penaeus monodon* Fab. Kalikasan Philipp. J. Biol. 8:227-235

Primavera, J.H. 1980. Broodstock of sugpo (*Penaeus monodon*) and other penaeid prawns. Extension Manual No. 7, SEAFDEC Aquaculture Department, Iloilo, Philippines, 24 pp. (revised 1983, 1988)

Primavera, J.H., D. Estenor and P. Acosta. 1980. Preliminary trials of combined Artemia rearing and salt production in earthen salt ponds in the Philippines. pp. 207-214. In: Persoone, G., P. Sorgeloos, O. Roels and E. Jaspers (eds) The brine shrimp Artemia, Proceedings of the International Symposium on the brine shrimp Artemia salina, Corpus Christi, Texas, USA, August 20-23, 1979. Vol.3. Ecology, Culturing, Use in Aquaculture. Universa Press, Wetteren, Belgium

Primavera, J.H. and P. Gabasa, Jr. 1981. A comparison of two prawn (*Penaeus monodon*) broodstock systems--land-based tanks and marine pens. J. World Maricul. Soc. 12:345-356

Primavera, J.H. and R.A. Posadas. 1981. Studies on the egg quality of *Penaeus monodon* Fabricius based on morphology and hatching rates. Aquaculture 22:261- 277

Primavera, J.H. 1982. Development of broodstock for small-scale shrimp hatchery (with particular reference to *Penaeus monodon*). In: Working party on Small-Scale Shrimp/Prawn Hatcheries in Southeast Asia, Semarang, Indonesia, 16-21 Nov. 1981.Manila, Philippines: South China Sea Fisheries Development and Coordinating Programme. II. Technical Report; SCS/GEN/82/40; pp. 71-76 (1989, P-14).

Primavera J.H. 1982. Studies on the broodstock of sugpo *Penaeus monodon* Fabricius and other penaeids at the SEAFDEC Aquaculture Department. In: Silas EG, Rao PV, Nair PVR, Alagarswami K, Jacob T, George KC, Rengarajan J, Pillai PP, Matthew KJ, Pillai VK, Ponniah AG (eds.). Proceedings of the Symposium on Coastal Aquaculture; Part 1: Prawn Culture; 1980 January 12-18; Cochin, India. India: Marine Biological Association of India; pp. 28-36.

Primavera, J.H., A.T. Young and C. de los Reyes. 1982. Survival, maturation, fecundity and hatching rates of unablated *Penaeus indicus* H.M. Edwards from brackish-water ponds. Proc. Symp. Coastal Aquaculture 1:48-54

Primavera, J.H. 1984. Seed production and the prawn industry in the Philippines. In: Prawn Industry Development in the Philippines: Proceedings of the National Prawn Industry Development Workshop; 1984 April 10-13; Iloilo City, Philippines. Tigbauan, Iloilo, Philippines: SEAFDEC/AQD; pp. 33-53

Primavera, J.H. 1985. A review of maturation and reproduction in closed thelycum penaeids, pp. 47-64. In: Taki, Y., J.H. Primavera and J.A. Llobrera (eds) Proc. First International Conference on the Culture of Penaeid Prawns/Shrimps. SEAFDEC Aquaculture Department, Iloilo, Philippines

Primavera, J.H. 1986. A primer in putian. In: National Conference on Prawn-Fish Farming Technology; 23-24 Oct. 1986; Makati, Metro Manila: Fishfarmers Technical Assistance Foundation, Inc. 6p.

Primavera, J.H. 1988. Maturation, reproduction, and broodstock technology. In: Biology and Culture of *Penaeus monodon*. BRAIS State-of-the-Art Series No. 2; Aquaculture Department, Southeast Asian Fisheries Development Center; Tigbauan, Iloilo, Philippines; 37-58

Primavera, J.H. 1989. Social, ecological and economic implications of intensive prawn farming. SEAFDEC Asian Aquaculture 11:1-6

Primavera, J.H. and R.Q. Gacutan. 1989. Preliminary results of feeding aquatic macrophytes to *Penaeus monodon* juveniles. Aquaculture 80:189-193

Primavera, J.H. and R.V. Caballero. 1989. Effect of tagging on maturation and survival of ablated *Penaeus monodon* in painted and unpainted tanks. Philipp. Scientist 26:5-20

Primavera, J.H. 1991. Aquaculture and coastal environment. In: Alcala AC, Balgos MC (eds.). Management of Nearshore Fishery Resources. Proceedings of the Seminar-Workshop on Management of Nearshore Fishery Resources; 23-25 Jan. 1990; Cebu City, Philippines. Los Baños, Laguna, Philippine Council for Aquatic and Marine Research and Development; PCAMRD Book Series No. 10; pp. 155-177

Primavera, J.H. 1991. Intensive prawn farming in the Philippines: Ecological, social and economic implications. Ambio 20 (1): 28-33

Primavera JH. 1992. Mangrove conversion and brackishwater pond culture in the Philippines. In: Davies J, Claridge G (eds). Protection and Sustainable Use of Wetland Resources in the Philippines; Proceedings of a Workshop; 30 September to 2 October 1992, Institute of Forest Conservation, University of the Philippines at Los Baños, Los Baños, Laguna, Philippines (pp. 77-90). Kuala Lumpur, Malaysia: Asian Wetland Bureau; Manila, Philippines: Protected Areas and Wildlife Bureau

Primavera, J.H. 1992. Prawn/shrimp culture industry in the Philippines, pp. 701-728. In: Fast, A.W. and L.J. Lester (eds) Marine Shrimp Culture: Principles and Practices, Chap. 34. Elsevier, Amsterdam, Netherlands

Primavera, J.H. and R.V. Caballero. 1992. Effect of streamer tags on survival and growth of juvenile tiger prawns, *Penaeus monodon*, under laboratory conditions. Aust. J. Mar. Freshwat. Res. 43: 737-743

Primavera, J.H. and R.V. Caballero. 1992. Light quality and ovarian maturation in unablated and ablated giant tiger prawn *Penaeus monodon* (Fabricius). Aquaculture 108: 247-256

Primavera, J.H. 1993. A critical review of shrimp pond culture in the Philippines. Rev. Fish. Sci. 1: 151-201

Primavera, J.H. 1993. The environment effects of aquaculture with emphasis on the intensive prawn farming in the Philippines, pp. 95-110. In: Koomsup P (ed.). Economic Development and the Environment in ASEAN Countries; Proceedings of the Sixteenth Conference of the Federation of ASEAN Economic Associations; 28-30 November 1991; Bangkok, Thailand. Thailand: The Economic Society of Thailand

Primavera, J.H., Lavilla-Pitogo, C.R., Ladja, J.M. and M.R. dela Pena. 1993. A survey of chemical and biological products used in intensive prawn farms in the Philippines. Mar. Poll. Bull. 26 (1): 35-40

Primavera, J.H. 1994. Shrimp farming in the Asia-Pacific: environment and trade issues and regional cooperation. Workshop on Trade and Environment in Asia Pacific, East-West Center, Honolulu, USA, 23-25 Sep. 1994

Primavera, J.H. and R.V. Caballero. 1994. Growth and external reproductive parameters in pond-reared *Penaeus monodon*, pp. 17-27. In: P.M. Alino (ed) Proceedings of the Second National Symposium in Marine Science. Marine Science Institute, University of the Philippines, Quezon City

Primavera, J.H. 1995. Mangroves and brackishwater pond culture in the Philippines. Hydrobiologia 295: 303-309

Primavera JH. 1995. Shrimp farming in the Asia-Pacific: Environment and trade issues and regional cooperation. In: Trade and Environment in Asia-Pacific: Prospects for Regional Cooperation Workshop Papers; 23-25 September 1994; East-West Center Honolulu, Hawaii: Nautilus Institute for Security and Sustainable Development, Berkeley, CA, USA; pp. 161-187

Primavera, J.H. and J.L. Lebata. 1995. Diel activity patterns in *Metapenaeus* and *Penaeus* juveniles. Hydrobiologia 295: 295-302

Primavera, J.H. 1996. Stable carbon and nitrogen isotope ratios of penaeid juveniles and primary producers in a riverine mangrove in Guimaras, Philippines. Bull. Mar. Sci. 58 (3): 675-683

Primavera, J.H. 1997. Fish predation on mangrove-associated penaeids: The role of structures and substrate. J. Exp. Mar. Biol. Ecol. 215(2): 205-216

Primavera, J.H.1997. Socioeconomic impacts of shrimp culture. Aquacult. Res. 28:815-827.

Primavera, J.H. and R.F. Agbayani. 1997. Comparative strategies in community-based mangrove rehabilitation programs in the Philippines, pp. 229-243. In: Hong, P.N., N. Ishwaran, H.T. San, N.H. Tri and M.S. Tuan (eds) Community Participation in Conservation, Sustainable Use and Rehabilitation of Mangroves in Southeast Asia, Proceedings of the Ecotone V, Ho Chi Minh City, Vietnam, 8-12 Jan. 1996; Hanoi, Vietnam: United Nations Educational Scientific and Cultural Organisation; Japanese Man and the Biosphere National Committee; Mangrove Ecosystem Research Centre.

Primavera, J.H. 1998. Mangroves as nurseries: shrimp populations in mangrove and non-mangrove habitats. Estuar. Coast. Shelf Sci. 46: 457-464

Primavera, J.H. 1998. Socio-economic impacts of shrimp culture. In: Beveridge M, Fuchs R, Furberg J, Kautsky N, Sorgeloos P (eds.). Aquaculture Research and Development in Inland and Coastal Regions in South-East Asia. Proceedings of an IFS/EU workshop; 18-22 March 1996; Can Tho, Vietnam: Stockholm, Sweden; International Foundation for Science; pp. 231-247 (published in Aquacult. Res. 28:815-827 (1997))

Primavera, J.H. 1998. Tropical shrimp farming and its sustainability, pp. 257-289. In: S. de Silva (ed), Tropical Mariculture. Academic Press, London

Primavera, J.H., F.P. Parado-Estepa and J.L. Lebata. 1998. Morphometric relationships of length and weight of the giant tiger prawn *Penaeus monodon* according to life stage, sex and source. Aquaculture 164: 67-75.

Primavera, J.H. 2000. Aquasilviculture Trials in Mangroves – Aklan Province, Panay Island, Central Philippines. In JIRCAS International Workshop on Brackish Water Mangrove Ecosystems - Productivity and Sustainable Utilization, 29 February - 1 March 2000, Tsukuba International Congress Center (pp. 142-146). Tsukuba, Ibaraki, Japan: Japan International Research Center for Agricultural Sciences

Primavera, J.H. 2000. Development and conservation of Philippine mangroves: institutional issues. Ecol. Econ. 35:91-106

Primavera, J.H. 2000. Integrated mangrove-aquaculture systems in Asia. Integrated Coastal Zone Management. Autumn edition: pp. 121-130

Primavera, J.H. 2000. Mangroves of Southeast Asia, pp. 1-12. In: Primavera, J.H., L.M.B. Garcia, M.T. Castaños and M.B. Surtida (eds) Mangrove-Friendly Aquaculture, Proceedings of the Workshop on Mangrove-Friendly Aquaculture, Iloilo City, 11-15 Jan. 1999. SEAFDEC Aquaculture Department, Iloilo, Philippines

Primavera, J.H. and M.J.H.L. Lebata. 2000. Size and diel differences in activity patterns of *Metapenaeus ensis, Penaeus latisulcatus* and *P. merguiensis*. Mar. Fresh. Behav. Physiol. 33: 173-185

Primavera, J.H. and E.T. Quinitio. 2000. Runt deformity syndrome in wild and cultured giant tiger prawn *Penaeus monodon*. J. Crust. Biol. 20(4): 796-802

Primavera, J.H. and L. de la Pena. 2000. The yellow mangrove: its ethnobotany, history of maritime collection, and needed rehabilitation in the central and southern Philippines. Philip. Q. Cult. Soc. 28: 464-475

Primavera, J.H., L.M.B. Garcia, M.T. Castaños and M.B. Surtida (eds). 2000. Mangrove-friendly Aquaculture. Proceedings of Workshop on Mangrove-Friendly Aquaculture, Iloilo City, 11-15 Jan. 1999. SEAFDEC Aquaculture Department, Iloilo, Philippines

Primavera, J.H. 2001. Community-based rehabilitation of mangroves, pp. 333-339. In IIRR, IDRC, NACA and ICLARM, Utilizing Different Aquatic Resources for Livelihoods in Asia: A Resource Book. International Institute of Rural Reconstruction, International Development Research Centre, Food and Agriculture Organization of the United Nations, Network of Aquaculture Centers in Asia-Pacific and International Center for Living Aquatic Resources Management

Primavera, J.H. and J. Altamirano. Mangrove Area and Fisheries Production in the Philippines, 1988-89 and 1993-94. Paper presented at the Workshop on Mangrove Ecosystems in Southeast Asia, ICLARM, Penang, Malaysia, 6-8 Nov. 2001. Unpub. ms.

Primavera, J.H. 2002. CRM in the Philippines: Seeds of Hope, pp. 64-72. In: 3rd Meeting of the Project on Asia-Pacific Cooperation for the Sustainable Use of Renewable Natural Resources in Biosphere Reserves and Similarly Managed Areas (ASPACO), Okinawa, Japan, 1-6 Oct. 2002

Primavera, J.H. 2002. The patch mangroves of Ibajay, Aklan in Panay Island – a microcosm of mangroves in the Philippines, pp. 77-88. In: Proceedings of the Ecotone X – Ecosystem Valuation for Assessing Functions Goods and Services of Coastal Ecosystems in Southeast Asia, Hanoi, Vietnam, 19-23 Nov. 2001

Primavera, J.H. 2002.Mangroves, p. 49. In Ong, P.S., L.E. Afuang and R.G. Rosell-Ambal (eds) Philippine Biodiversity Conservation Priorities: A Second Iteration of the National Biodiversity Strategy and Action Plan. DENR Protected Areas and Wildlife Bureau, Conservation International Philippines, Biodiversity Conservation Program – U.P. Center for Integrated Development Studies, and Foundation for Philippine Environment, Quezon City, Philippines

Primavera, J.H., J.H. Lebata, J. Altamirano and L. Gustilo. 2002. Collection of the clam *Anodontia edentula* in mangrove habitats in Panay and Guimaras, Central Philippines. Wetlands Ecology and Management 10 (5): 363-370

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"Land-Based Mass Production of Sugpo (*Penaeus monodon* Fabricius) Spawners," PCARR-NSDB Symposium on Aquaculture, 1977 Fisheries Forum, P. Garcia Memorial Hall, Manila, 25 April 1977

"Some Notes on the Biology of Sugpo," First Annual Convention and Seminar-Workshop on Fish and Prawn Culture, WVFFP-BFAR-SEAFDEC, Tigbauan, Iloilo, 19-21 May 1977

"New Trends in Crustacean Culture in Brackishwater Ponds: Artemia, *Penaeus monodon* and other penaeids," Inland Fisheries Day Celebration, U.P. College of Fisheries, Iloilo City, 5 Mar. 1980

"Broodstock Technology and the Prawn Industry," First National Conference of Fishpond Operators, Philippine Federation of Aquaculturists, Inc., Manila, 8-9 April 1983

"Putian Culture," National Conference on Prawn-Fish Farming Technology, DBP, Metro Manila, 23-24 Oct. 1986

"The Social, Ecological and Economic Implications of Intensive Prawn Farming," Convention-Conference of the Philippine Federation of Aquaculturists, Manila, 5-6 May 1989

"Giant Tiger Prawn *Penaeus monodon* Culture in the Philippines: Economic, Ecological and Social Consequences", III Brazilian Shrimp Farming Congress, Joao Pessoa, Paraiba, Brazil, 16-20 Oct. 1989

"Reproductive Biology and Broodstock Technology of *Penaeus monodon*," III Brazilian Shrimp Congress, Joao Pessoa, Paraiba, Brazil, 16-20 Oct. 1989

"Fisheries/Aquaculture Development and the Environment," Roundtable Discussion on Philippine Fisheries Policies, Philippine Council for Aquatic and Marine Research and Development, DOST, Taguig, Metro Manila, 12-13 Dec. 1989

"Aquaculture and the Coastal Environment," Seminar-Workshop on the Management of Nearshore Fisheries, Philippine Council for Aquatic and Marine Research and Development, Cebu City, 23-25 Jan. 1990

"Effects of Aquaculture on Traditional Nearshore Fishing Communities," Seminar-Workshop on Marine Ecosystems and the Future, Philippine Federation of Rural Broadcasters, Iloilo City, 20-24 March 1990

"Intensive Prawn Farming and the Environment," Second Philippine Prawn Congress, Bacolod City, 21-23 Nov. 1991

"The Environmental Effects of Aquaculture with Emphasis on Intensive Prawn Farming in the Philippines," 16th Annual Conference of the Federation of ASEAN Economic Associations, Imperial Hotel, Bangkok, Thailand, 28-30 Nov. 1991

**"Prawn/Shrimp Biology and Culture in the Philippines: Charting Future Research Directions," First Domiciano K. Villaluz Memorial Lecture, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, 9 July 1992**

"Mangrove Conversion and Brackishwater Pond Culture in the Philippines," Workshop on the Protection and Sustainable Use of Wetland Resources in the Philippines, Institute of Forest Conservation, College of Forestry, University of the Philippines at Los Banos, 30 Sep.-2 Oct. 1992

"Shrimp Farming in the Asia-Pacific: Environment and Trade Issues and Regional Cooperation," Workshop on Trade and Environment in Asia-Pacific, East West Center, Honolulu, USA, 23-25 Sep. 1995

"The Mangrove Ecosystem and Philippine Science Curricula," Second ASEAN Regional Conference on Environmental Education, SEARCA, University of the Philippines at Los Banos, 24-27 May 1995

"Do Shrimps Use Mangrove Detritus as Food?", Fourth Asian Fisheries Forum, Beijing, China, 16-20 Oct. 1995

"Morphometric Relationships in Male and Female Giant Tiger Prawn *Penaeus monodon*," Fourth Asian Fisheries Forum, Beijing, 16-20 Oct. 1995

**“The Philippine Environment,” Gumersindo Garcia Memorial Lecture, 17th General Convention, National Council of Churches of the Philippines, Central Philippine University Campus, Iloilo City, 22 Nov. 1995**

"Comparative Strategies in Community-Based Mangrove Rehabilitation Programs in the Philippines," Ecotone V: Community Participation in Conservation, Sustainable Use and Rehabilitation of Mangroves in Southeast Asia, Ho Chi Minh City, 8-12 Jan. 1996

"A Decade of *Penaeus monodon* Broodstock Research and Development," World Aquaculture `96, Bangkok, Thailand, 29 Jan.-2 Feb. 1996

"Environment-Friendly Aquaculture and Rehabilitation in Mangrove Ecosystems," World Aquaculture `96, Bangkok, Thailand, 29 Jan.-2 Feb. 1996

"Comparative Strategies in Community-based Mangrove Rehabilitation Programs in the Philippines", First Regional Environmental Education Scientific Conference and General Assembly, Balay Kalinungan, University of St. La Salle, Bacolod City, 18-20 Feb. 1996

"Socioeconomic Impacts of Shrimp Culture," Workshop on Aquaculture Research and Sustainable Development in Inland and Coastal Regions in Southeast Asia, University of Can Tho, Vietnam, 18-22 March 1996

"Length-Weight Relationships in Wild and Cultured Giant Tiger Prawn *Penaeus monodon*," Second International Conference on the Culture of Penaeid Prawns and Shrimps, Iloilo City, 13-17 May 1996

"Mangroves as Nurseries: Shrimp Populations in Mangrove and Non-mangrove Habitats," Second International Conference on the Culture of Penaeid Prawns and Shrimps, Iloilo City, 13-17 May 1996

"Shrimp Culture: Socioeconomic Impacts of Shrimp Farming and the Role of International Development Assistance," Second International Conference on the Culture of Penaeid Prawns and Shrimps, Iloilo City, 13-17 May 1996

"Diel, Species and Size Differences in Activity Patterns of Penaeid Shrimps," Third International Conference on the Biology of the South China Sea, Hong Kong, 28 Oct.-1 Nov. 1 1996

"Penaeid Shrimp Populations in Inshore and Offshore Habitats in Guimaras, Central Philippines," Third International Conference on the Biology of the South China Sea, Hong Kong, 28 Oct.-1 Nov. 1996

"Sustainable Shrimp Farming--a Southeast Asian Perspective," World Aquaculture '97, Seattle, Washington, U.S.A., 19-23 Feb. 1997

"Sustainability of Tropical Shrimp Culture," International Scientific Symposium on the Ecological and Social Impacts of Industrial Aquaculture, New Delhi, India, 11 July 1997

"Development and Conservation of Philippine Mangroves: Institutional Perspective," 4th Workshop of the Global Wetlands Economics Network, Stockholm, Sweden, 16-17 Nov. 1997

"Mangrove Utilization and Conservation and Mangrove-Friendly Aquaculture,” Seminar-Workshop on Mangrove Friendly Aquaculture and Coastal Resource Management," DENR-CENRO Training Center, Tangalan, Aklan, 21 Aug. 1998

"Choosing Portunid Species to Domesticate" by M.J. Williams and J.H. Primavera, International Conference on the Culture of Portunid Crabs, Boracay Island, Malay, Aklan, 1-4 Dec. 1998

"Treatment of Intensive Shrimp Culture Pond Effluents by Mangroves," Mangrove-Friendly Aquaculture Workshop, Iloilo City, 11-15 Jan. 1999

"Mangroves of Southeast Asia," Mangrove-Friendly Aquaculture Workshop, Iloilo City, 11-15 Jan. 1999

"Impacts of Coastal Aquaculture Development on Mangrove Ecosystems: Lessons for Southeast Asia," Workshop on Integrated Management of Mangrove/Coastal Ecosystems for Sustainable Aquaculture Development, Kuching, Sarawak, Malaysia, 23-25 March 1999

"Concept of Mangrove-Friendly Aquaculture," On-Site Training on Mangrove-Friendly Aquaculture, Hai Phong, Vietnam, 19-30 April 1999

"Runt Deformity Syndrome in Cultured Giant Tiger Prawn *Penaeus monodon*," World Aquaculture Society Meeting, Sydney, Australia, 27 April-3 May 1999

"Integration of Mangroves and Aquaculture," World Aquaculture Society Meeting, Sydney, Australia, 27 April-3 May 1999

“Mangrove-Friendly Aquaculture,” Aquaculture Development in Southeast Asian (ADSEA), Iloilo City, 11-14 Oct. 1999

"Runt Deformity Syndrome in Cultured Giant Tiger Prawn *Penaeus monodon*," 5th National Symposium: Marine Science, UP-MSI, Quezon City, 17-19 Oct. 1999

“Mangrove Aquasilviculture Project in Ibajay, Aklan”, 4th International Conference on the Marine Biology of the South China Sea, UP-MSI, Quezon City, 19-20 Oct. 1999

“Aquasilviculture Trials in Mangroves – Aklan Province, Panay Island, Central Philippines”, International Workshop on Brackishwater Mangrove Ecosystems, Tsukuba, Japan, 29 Feb.- 1 Mar 2000

“Philippine Mangroves: Status, Threats and Sustainable Development,” International Workshop on Asia-Pacific Cooperation on Research for the Conservation of Mangroves, Okinawa, Japan, 26-30 Mar. 2000

“Reproductive Biology and Ecology of the Mangrove Clam *Anodontia edentula,*” AQUA 2000 Conference, Nice, France, 2-6 May 2000

“Mangrove Development, Conservation and Rehabilitation in Aklan, Central Philippines,” AQUA 2000 Conference, Nice, France, 2-6 May 2000

“Aquaculture Research Needs in the Philippines,” AQUA 2000 Conference, Nice, France, 2-6 May 2000

**“Why Mangroves are Important to Our National Life,” 29th Annual Convention of the Philippine Society for Microbiology, Fort Ilocandia Hotel, Laoag, 10-12 May 2000**

“Extensive Mangrove-Friendly Shrimp Culture Systems,” Mangrove-Friendly Shrimp Culture Planning Workshop, SEAFDEC Aquaculture Department, Iloilo City, 2-3 May 2000

“Nutrient Absorption Capacity of Mangroves,” Mangrove-Friendly Shrimp Culture Planning Workshop, SEAFDEC Aquaculture Department, Iloilo City, 2-3 May 2000

“Shrimp Culture and Mangroves: Challenges and Prospects,” International Conference on Sustainable Use of Estuaries and Mangroves, Recife, Brazil, 22-28 May 2000

“Aquasilviculture of Mudcrabs,” Workshop on Silvoculture of Mudcrab in Mangrove Systems”, Tsunza Conservation and Development Programme, Mombasa, Kenya, 4-5 Sep. 2000

“Mangroves as Nurseries in Guimaras, central Philippines,” Meeting on Mangrove Macrobenthos, Mombasa, Kenya, 7-11 Sep. 2000

“Integrated Mangrove-Aquaculture Trials in Aklan, Panay Is., Central Philippines,” Meeting on Mangrove Macrobenthos, Mombasa, Kenya, 7-11 Sep. 2000

“Artisanal Fisheries of the Mangrove Clam *Anodontia edentula* in Panay and Guimaras,” Central Philippines, Meeting on Mangrove Macrobenthos, Mombasa, Kenya, 7-11 Sep. 2000

“Mangrove-Friendly Aquaculture in Southeast Asia,” Environment-Friendly Aquaculture and Resource Enhancement in Tropical Regions, UJNR Aquaculture Panel Meeting, Ishigaki, Japan, 13-15 Nov. 2000

“Socioeconomic Impacts of Shrimp Culture,” American Association for the Advancement of Science Annual Meeting, San Francisco, Calif., USA, 16-19 Feb. 2001

“Sustainable Aquaculture,” Roundtable Discussion on the CurrentState of Philippine Aquaculture, DA, Q.C., 18 June 2001

“State of the Philippine Environment: Marine Ecosystems,” Environment on the Balance Workshop, Tanggol Kalikasan, Puerto Princesa, Palawan, 23-26 July 2001

“Progress Report (Mangroves as Filters of Shrimp Pond Effluents),” Mid-Project Workshop, Mangrove-Friendly Shrimp Culture Project, Bangkok, 3-4 Sept. 2001

“Mangrove Area and Fisheries Production in the Philippines, 1988-89 and 1993-94,” Workshop on Mangrove Ecosystems in Southeast Asia, ICLARM, Penang, Malaysia, 6-8 Nov. 2001

“The Patch Mangroves of Ibajay, Aklan in Panay Island – a Microcosm of Mangroves in the Philippines,” UNESCO-MAB Regional Seminar Ecotone X – Ecosystem Valuation, Hanoi, Vietnam, 19-23 Nov. 2001

“Tagging and release strategies for stock enhancement of *Penaeus monodon*,” 2nd International Symposium on Stock Enhancement and Sea Ranching, Kobe, Japan, 28 Jan.–1 Feb. 2002

“Aquaculture and Mangroves,” Roundtable Discussion on Mangroves and Aquaculture, Ninoy Aquino Parks and Wildlife Center, Q.C., 20 Mar. 2002

“Capacity of Mangroves to Process Shrimp Pond Effluents,” World Aquaculture 2002, Beijing International Convention Center, Beijing, 23-27 April 2002

“Towards More Environmentally Responsible Grow-out Systems in Aquaculture,” EC-sponsored Aquaculture Workshop, Beijing, 27-30 April 2002

“Philippine Mangroves: The Success Story of the Buswang, Kalibo Reforestation in Aklan, Panay Island,” UNU International Conference on Conserving our Coastal Environment, Tokyo, Japan, 8-10 July 2002

“Seeds of Hope: CRM Case Studies in the Philippines,” 3rd Meeting of the Asia-Pacific Cooperation for the Sustainable Use of Renewable Natural Resources in Biosphere Reserves (ASPACO) Project, Okinawa, Japan, 1-6 Oct. 2002

“Philippine Mangroves,” South and Southeast Asia Workshop of Sustainable Management of Mangrove Forest Ecosystems, AIT, Bangkok, 21-23 Oct. 2002

**“Do We Have a Scientific Culture?” keynote, Science, Mathematics and Technology Fair, Philippine Science High School-Western Visayas, Iloilo City, 13 February 2003**

“Aquasilviculture,” Roundtable Discussion on Aquabusiness: Exploring Options in Sustainability, Tambuyog Development Center, DA-Apacible Conference Hall, Q.C., 21 March 2003.

“Mangrove Biology, Ecology and Conservation,” FRMP Staff, BFAR, Q.C., 30 April 2003

“Asian Mangroves: Traditional Uses and Their Responsible Management,” Mangroves 2003 Conference, Bahia, Brazil, 20-24 May 2003.

“Processing of Shrimp Pond Effluents by a Natural Mangrove Stand,” SEAFDEC Regional Seminar-Workshop on Mangrove-Friendly Shrimp Culture, Bangkok, Thailand, 24-27 June 2003

“Traditional Uses of Asian Mangroves,” APEC International Youth Camp and Teachers Forum, Thailand, 10-14 July 2003

“Biodiversity of Mangrove Ecosystem”, NRCP Seminar-Workshop, State Polytechnic College of Palawan, Puerto Princesa, 17-18 Sept. 2003

“Processing of Shrimp Pond Effluents in a Natural Mangrove Wetland,” Asia-Pacific World Aquaculture Society Chapter, Bangkok, Thailand, 22-26 Sept. 2003

“Mangroves of Aklan,” Fish Conservation Week, Aklan State University, New Washington, Aklan, 6 Oct. 2003

“Traditional Uses of Philippine Mangroves,” 7th Symposium, Philippine Association of Marine Science, Cagayan de Oro City, 22-24. Oct 2003

“Mangrove Legislation and Protection in the Philippines,”4th ASPACO Meeting on Conservation and Development in Pacific Coastal Biosphere Reserves, Chile, 7-12 Nov. 2003

“Aquaculture and the Coastal Zone,” East Asian Seas Congress, Kuala Lumpur, Malaysia, 8-12 Dec. 2003

“CRM Success Stories in the Philippines,”5th Annual Lecture-Workshop Series, Biology Teachers Association of the Philippines Western Visayas Chapter, U.P. Visayas, Iloilo City, 27 Feb. 2004

“Sustainable Livelihood from Mangrove Habitats,” Integrated Coastal Management Philippines, Cebu Grand Hotel, Cebu City, 17-19 March 2004

“Removal of Shrimp Pond Effluents by a Natural Mangrove Stand,” Shrimp Congress 2004, Cebu Grand Convention Center, Cebu City, 30 March-1 April 2004

“Socioeconomic Impacts of Aquaculture in the Philippines,” Roundtable on Aquaculture and Poverty, University of Reading and Philippine Council for Aquatic and Marine Research and Development, Los Banos, Laguna, 22 April 2004

“Mangroves and Shrimp Culture in Southeast Asia,” Regional Technical Consultation for the Development of the Regional Code of Practice for Responsible Aquaculture in Mangrove Ecosystems, Tagbilaran, Bohol, 25-27 August 2004

“The Artificial Reef Experience in Panay Is., Central Philippines and Prospects for Stock Enhancement,” Regional Workshop on Artificial Reefs in Southeast Asia, SEAFDEC/TID, Samut Prakan, Thailand, 9-12 Nov. 2004

**Keynote Speaker, 5th Annual Regional Convention, Biology Teachers Association of the Philippines (BIOTA), Western Visayas Chapter, St. Paul University, Iloilo City, 2-3 Dec. 2004**

“Sustainable Aquaculture Development and ICZM in ASPACO”, 5th Meeting of the Project on Asia-Pacific Cooperation for the Sustainable Use of Renewable Natural Resources in Biosphere Reserves and Similarly Managed Areas (ASPACO), Koror, Palau, 6-10 Dec. 2004

“Culture of Mud Crabs *Scylla* spp. in Mangrove Pens,” International Workshop on Culture, Fisheries and Stock Enhancement of Portunid Crabs, Iloilo City, 20-22 Jan. 2005

“Integration of Mangroves and Aquaculture”, International Conference on Effective Land-Water Interface Management for Solving Agriculture-Fishery-Aquaculture Conflicts in Coastal Zones, Bac Lieu, Vietnam, 1-3 March 2005

**Commencement Speaker, 16th Commencement Exercises, Mindanao State University at Naawan, Mis. Oriental, 11 April 2005**

“Importance of Mangroves and Marine Ecosystems,” Annual Convention, Association of Elementary School Teachers (AESTEP), West Visayas State University, Iloilo City, 5-7 May 2005

“Centennial Tsunamis, Annual Typhoons and Disappearing Mangroves – What is Our Role as Scientists?”, 2nd Annual Meeting, National Research Council of the Philippines - Visayas Regional Cluster, UP Visayas Cebu, Cebu City, 13 May 2005

“Importance of Mangroves: Impacts on Development,” Seminar on Population, Health and Environment, Save the Children/US Philippine Field Office), Iloilo City, 22 June 2005

“Philippine Mangroves: Conservation, Legislation and Rehabilitation, Symposium on Mangrove Reforestation and Protection,” *Panlalawigang Pederasyon ng Sangguniang Kabataan*, Iloilo Provincial Capitol, 7 July 2005

“The SEAFDEC AQD Experience in Stock Enhancement,” by K. Okuzawa, J.H. Primavera, E.T. Quinitio, J. Lebata and S. Buen, Regional Technical Consultation on Stock Enhancement of Species Under International Concern, Iloilo City, 13-15 July 2005

“Environmental and Socioeconomic Implications of Shrimp Farming on Mangroves,” 4th Western Indian Ocean Marine Science Association (WIOMSA) Scientific Symposium, Baie, Mauritius, 29 Aug.-3 Sep. 2005

“Mangrove Conservation through Education and Local Governance,” Annual Meeting of the Pew Fellows Program in Marine Conservation, Nova Scotia, Canada, 23-27 Sep. 2005

“The Agusan Marsh,” 2nd Workshop of MAB- Ecotone Phase II and 4th Meeting of SEA BRNet, Pakse, PDR Laos, 3-7 Oct. 2005

“Integration of Mangroves and Shrimp Culture,” The Role of Mangrove and Coral Reef Ecosystems in Mitigating Oceanic Impacts on the Environment, Hanoi, 8-10 Oct. 2005

“Mangroves, Typhoons and Tsunamis,” Lecture-Forum on Mangroves, Typhoons and Tsunamis, Central Philippine University, 23 Jan. 2006

“Sustainability of Philippine Aquaculture,” Hubs, Harbours and Deltas in Southeast Asia: Multidisciplinary and Intercultural Perspectives, Phnom Penh, 6-8 Feb. 2006

“Mangrove Greenbelts,” Official Launching of the Roxas City LGU-Capiz State University Mangrove Greenbelt Project, Roxas City Hall, 2 March 2006

“Status and Threats of Bugtongbato-Naisud, Ibajay Mangroves,” Meeting of Tourism Committee and Ibajay LGU, Ibajay, Aklan, 1 April 2006

**“Integration of Mangroves and Aquaculture,” keynote, 1st International Conference on Mangroves as Fish Habitat, Rosenstiel School of Marine and Atmospheric Science, University of Miami, USA, 19-21 April 2006**

“Conservation and Rehabilitation of Philippine Mangroves,” Mangrove Rehabilitation and Management (Palina River) Training, Roxas City, 15-16 June 2006

“Aquaculture in the Philippines,” Mangrove Macrobenthos Meeting II, Gold Coast, Australia, 25-30 June 2006

“Culture of Mud Crabs *Scylla* Spp. in Mangrove Pens in Panay Is., central Philippines,” Mangrove Macrobenthos Meeting II, Gold Coast, Australia, 25-30 June 2006

“Integration of Mangroves and Aquaculture,” Mangrove Macrobenthos Meeting II, Gold Coast, Australia, 25-30 June 2006

“Mangroves in the Philippines – Conservation and Rehabilitation,” Western Institute of Technology, Iloilo City, 20 July 2006

“Shrimp Culture in Southeast Asia: Replacing the IndoPacific *Penaeus monodon* with the American *Penaeus vannamei*,” Conference-Workshop on Invasive Alien Species in the Philippines and their Impacts on Biodiversity, Marikina City, 26-28 July 2006

“Janitor Fish in the Agusan Marsh” by M. Hubilla, F. Kis and J.H. Primavera, Conference-Workshop on Invasive Alien Species in the Philippines and their Impacts on Biodiversity, Marikina City, 26-28 July 2006

“Code of Practice for the Sustainable Use of Mangrove Ecosystems in Southeast Asia,” International Conference and Exhibition on Mangroves of Indian and Western Pacific Oceans, Kuala Lumpur, Malaysia, 21-24 Aug. 2006

“Mangrove Rehabilitation in the Philippines – A Review,” International Conference and Exhibition on Mangroves of Indian and Western Pacific Oceans, Kuala Lumpur, Malaysia, 21-24 Aug. 2006

“Philippine Aquaculture: Development and Sustainability, Conference on Sustainable Aquaculture,” Diliman, Quezon City, 30-31 Aug. 2006

“Conservation and Development of Philippine Mangroves,” Agusan River Basin Mangrove-Wildlife Seminar Workshop, Butuan Global Forum, Butuan City, 4-5 Sept. 2006

“Mangrove Regeneration in the Butuan Estuary,” Symposium on Mangrove Regeneration at the Butuan Estuary, Butuan Global Forum, Butuan City, 6 Sept. 2006

“The Solar I-Guimaras Oil Spill,” Pavia Baptist Church, Pavia, Iloilo, 16 Sept. 2006

“Mangroves and Shrimps,” Seminar on the Biophysical Aspects of the Solar I Oil Spill, Provincial Capitol, Jordan, Guimaras, 20 Sept. 2006

“The Solar I-Guimaras Oil Spill,” Sambag Baptist Church, Jaro, Iloilo City, 23 Sept. 2006

“The Guimaras Oil Spill,” Discussion on Disaster Coverage and Safety of Journalists, International News Safety Institute Southeast Asia, Iloilo City, 7 Oct. 2006

“Mangrove: Pond Ratios – An Emerging Paradigm,” National Fisheries Research Symposium, Iloilo City, 23-24 Oct. 2006

“The Solar I-Guimaras Oil Spill,” Hinun-anon: A Dialogue with the People Affected by the Solar I Petron Oil Spill Center for Community and Development, Save Our Seas and Green Forum Western Visayas, Nueva Valencia, Guimaras, 28 Oct. 2006

“Biophysical Aspects of the Guimaras Oil Spill,” Cabalagnan, Nueva Valencia, Guimaras, 15 Nov. 2006

“Mangrove: Pond Ratios and the Code or Practice for Sustainable Aquaculture in Mangrove Ecosystems,” Intl. Conference on the Environmental Management of Aquaculture, U.P. Marine Science Institute, Quezon City, 6-7 Dec. 2006

“Conservation and Development of Philippine Mangroves,” Just Faith Program, St. Mary’s Parish, Wayne, New Jersey, USA, 13 Dec. 2006

“Mangrove Regeneration in the Butuan Estuary,” Butuan Global Forum, Philippine Consulate, New York, USA, 15 Dec. 2006

“The Agusan Marsh,” Butuan Global Forum, Philippine Consulate, New York, USA, 15 Dec. 2006

“Mangroves and the Guimaras Oil Spill,” Western Visayas Christian Youth Fellowship, UCCP, Culasi, Antique, 27 Dec. 2006

Resource Person, Symposium on Mangroves, Integrated Laboratory School, College of Education, West Visayas State University, 11 Jan. 2007

“Environment Lecture on Mangrove Rehabilitation in the Philippines, Agusan Marsh, and Mt. Mayapay,” Butuanon Club of Southern California, Foursquare Church, Los Angeles, Calif, USA, 20 Jan. 2007

“Philippine Mangroves – Economic and Environmental Potentials,” Western Visayas College of Science and Technology, Iloilo City, 14 Feb. 2007

“Mangroves and Aquaculture/Silvofisheries,” Training Course on Sustainable Management of Mangrove Ecosystems for the UNEP-GEF-South China Sea Project on Reversing Marine Environmental Degradation Trends in the South China Sea and the Gulf of Thailand, Penang, Malaysia, 24 April-8 May 2007

“Mangrove Monitoring and Community Participation,” Training Course on Sustainable Management of Mangrove Ecosystems for the UNEP-GEF- South China Sea Project on Reversing Marine Environmental Degradation Trends in the South China Sea and the Gulf of Thailand, Penang, Malaysia, 24 April-8 May 2007

“The Agusan Marsh: A situationer (Scientific Aspects),” Primavera, JH and MI Tumanda, Jr., Butuan City, 21-23 May 2007

“Mangroves and Aquaculture in the Philippines,” Pond-Mangrove Rehabilitation Workshop, Zoological Society of London, Iloilo Grand Hotel, Iloilo City, 10-12 Sept. 2007

“Mangrove Rehabilitation in the Philippines – A Review,” 9th National Symposium, Philippine Association of Marine Science, Iloilo City, 24-26 Oct. 2007

“Conservation and Management of Philippine Mangroves,” Mangrove Symposium, Dumangas National High School, Dumangas, Iloilo, 6 Nov. 2007

“The Agusan Marsh – Two Years after Pakse,” 3rd Workshop of Ecotone Phase II and 5th meeting of SeaBRNet, Maolan Biosphere Reserve, Libo County, Guizhou Province, China, 7-13 Nov. 2007

“Integrated Conservation and Management of Mangrove Habitats: Some Philippine Experiences,” Department of Biology, Chinese University of Hong Kong, 15 Nov. 2007

“Trees of Agusan – Mangroves, the Agusan Marsh and Flora Caraga,” Symposium on Agusan Trees, Butuan Global Forum (sponsor) and Northern Mindanao State Institute of Science and Technology, 15 January 2008

“Mangroves, Beach Forests and Climate Change,” Seminar-Workshop on Climate Change, Association of Elementary Science Teachers and Educators of the Philippines, DepEd Division Office, Iloilo City, 21-23 May 2008

“Mangroves, Rainforests, Typhoon Frank and the Devastation of Panay,” Institute of Biology, University of the Philippines, Diliman, Q.C., 14 July 2008

“Mangroves, the Agusan Marsh and Flora Caraga,” Symposium on Agusan Trees, Northern Mindanao State Institute of Science and Technology, Butuan City, 15 Jan. 2008

“Mangrove and Beach Forests,” Ampayon Youth Organization, Bgy. Hall, Ampayon, Butuan City, 21 April 2008

“Mangroves, Beach Forests and Climate Change,” Seminar-Workshop on Climate Change, Association of Elementary Science Teachers and Educators of the Philippines, DepEd Division Office, Iloilo City, 21-23 May 2008

“Mangroves, Rainforests, Typhoon Frank and the Devastation of Panay,” Institute of Biology, University of the Philippines, Diliman, Q.C., 14 July 2008

“From Mangroves to Marshes,” Mindanao State University–Iligan Institute of Technology, 5 August 2008

“From Mangroves to Marshes,” Mindanao State University–Naawan, 6 August 2008

**“Doing Science, Keeping Faith,” keynote lecture, First International Conference on Faith and the University, Church of the Risen Lord, UP Diliman, Quezon City, 14 Aug. 2008**

“Mangrove Conversion and Encroachment,” Mindanao Environmental Congress, Talomo, Davao City, 8-10 Sept. 2008

“The Agusan Marsh,” San Francisco, Agusan del Sur, 12 Sept. 2008

“The Agusan Marsh,” Agusan Marsh Development Alliance Meeting, Prosperidad, Agusan del Sur, 12 Sept. 2008

“Forests and Nurseries (Preserving the Integrity of Creation),” WVEC 2008 Study Series, Sta. Teresa Center, Jaro, Iloilo City, 17 Sept. 2008

“Mangrove Nursery Establishment and Management,” Roxas City Fisherfolk Organizations, 31 Oct. 2008

“Mangroves and Coastal Forests,” One Million Trees Program, De La Salle University, Taft Ave., M. Manila, 17 Nov. 2008

“Mangroves and Coastal Forests,” St. Scholastica’s College, Metro Manila, 17 Nov. 2008

“Mangroves and Disaster Mitigation Mechanisms,” Visayas Environment Forum, University of the Philippines, Tacloban, 27 Nov. 2008

“Broodstock of *Penaeus monodon*,” ViFiNet International Aquaculture Workshop, Can Tho University, Vietnam, 5-6 Dec. 2008

“Mangrove Rehabilitation and Nurseries,” St. La Salle University, Bacolod City, 17 Dec. 2008

**“Planting the Mustard Seed,” keynote lecture, 6th Congress of Asian Theologians, Central Philippine University, 9-10 Feb. 2009**

**Commencement Address to the Graduating Class, Philippine Science High School-Western Visayas, Iloilo City, 27 March 2009**

**“Thoughts of a Zoologist on Mangroves, Beach Forests and Other King/Queendom Plantae Habitats,” Keynote Address, 44th Annual Convention, Biology Teachers of the Philippines, University of Makati, Makati City, 2-4 April 2009**

“*Metroxylon sagu* Rottb. – Key to Retaining Biodiversity in the Agusan Marsh?”, 18th Annual Philippine Biodiversity Symposium, Wildlife Conservation Society of the Philippines, U.P. Baguio, Baguio City, 15-17 April 2009

**“A Lifetime of Biological Science and Environmental Advocacy,” Annual Initiation of New Members, Phi Sigma Biological Sciences Honor Society, Alpha Chi Chapter – University of the Philippines, NISMED Auditorium, U.P. Diliman, Quezon city, 24 April 2009**

**Guest Speaker, Papuri, University of the Philippines in the Visayas, UP Campus, Iloilo City, 27 April 2009**

“Mangroves,” Workshop on Database Establishment for Biodiversity, Commission on Higher Education, University of San Carlos, Cebu City, 16 June 2009

Resource Person, Seminar-Workshop on Mangrove Rehabilitation and Nursery Establishment, One Million Trees Program, St. La Salle University, Bacolod City, 20-21 July 2009

“The Agusan Marsh,” 29th Annual PAASE Meeting and Symposium, Ateneo de Manila University, Q.C., 13-15 July 2009

**“The Agusan Marsh, Native Trees and Mangroves,” keynote, 2nd Annual BIOTA- Caraga Regional Convention, Fr. Saturnino Urios University, 18-20 Aug. 2009**

“Mangrove Management and Rehabilitation,” Mangrove Tree Planting and Coastal Clean-up, Philippine Institute of Chemical Engineers, Panay Chapter, Ermita, Dumangas, Iloilo, 13 Sept. 2009

“Restoring Mangrove: Fish/Shrimp Pond Ratios for Sustainable Aquaculture,” International Conference on Science and Technology for Sustainability (Global Food Security and Sustainability), Science Council of Japan, Tokyo, 17-18 Sept. 2009

“Mangrove Conservation and Nurseries,” De La Salle University, Taft Ave., Manila, 21 Sept. 2009

“Mangrove Rehabilitation and Ecotourism,” Bago City, Negros Occid., 23 Sep. 2009

“Mangrove Nurseries and Ecotourism,” Northern Negros Aquatic Resources Management Advisory Council (NNARMAC), Sagay City, Negros Occid., 25 Sept. 2009

"Mangrove Conservation vs Development," Kapihan on Mangroves (to discuss the mangrove cutting in Bolilao, Mandurriao, Iloilo City for the Iloilo Flood Control Project), Iloilo City,22 Oct. 2009

“Global Warming: Its Effects and What We Can Do,” Symposium on “Save the Earth … Ako ang Simula,” Iloilo Federation of Junior Philippine Institute of Accountants, De Paul College, Iloilo City, 20 Nov. 2009

“Aquaculture in Mangroves – Why Should We/ How Can We?,”, Mariculture in the WIOMSA Region – Challenges and Prospects, Tanzania, 30 Nov.-4 Dec. 2009

“The Science of Climate Change and Mitigation/Preparedness,” 28th Foundation Anniversary, College of Management, University of the Philippines in the Visayas, Iloilo City, 11 Dec. 2009

“Ecological Importance of Mangroves,” Policy Forum on Abandoned FLA Ponds, NGOs for Fisheries Reform and Conservation International, Ateneo de Manila University, Quezon City, 12 Jan. 2010

**“A Lifetime of Science and the Environment,” keynote speech, 8th Women’s Studies Association of the Philippines National Conference, UP Visayas, Iloilo City, 8 April 2010**

**Resource Person, Biblico-Theological Reflection on "Repentance," United Church of Christ in the Philippines 9th Quadrennial General Assembly, Silliman University Church, Dumaguete City, 24-30 May 2010**

 “Mangroves and FLA Ponds,” Seminar-Workshop on Fishpond Lease Agreement (FLA) Cancellation and Reversion to Mangrove Forest, Iloilo City, 28-30 July 2010

 “Mangroves and PES,” 3rd National PES Conference-Workshop: PES for Climate Change Adaptation & Mitigation, Mandaluyong City, 12–13 Aug. 2010

“Environmental Issues: Junk Food, Plastics and Biofuels,” Fr. Saturnino Urios University, Butuan City, 8 Sept. 2010

 “Agusan Marsh Biodiversity: Prospects for R&D,” Fr. Saturnino Urios University, Butuan City, 8 Sept. 2010

 “Agusan Marsh Biodiversity: Prospects for R&D,” Agusan National High School, Butuan City, 9 Sept. 2010

“Agusan Marsh Biodiversity: Prospects for R&D,” Caraga State University, Butuan City, 9 Sept. 2010

“Mangroves (Educational Modules) and Native Trees,” Panay Council of Lions Clubs Presidents, Amigo Terrace Hotel, Iloilo City, 17 Sept. 2010

“Mangroves and Brackishwater Ponds: The Case for Integration,” FishLink 2010, U.P. Aquaculture Society, Iloilo City, 20-22 Sept. 2010

 “CMRP Experiences in Mangrove Nursery and Outplanting,”by J.H. Primavera and A.M.T. Guzman, PO-NGO Conference on Mangrove Conservation, Rehabilitation and Climate Change, Eon Centennial Plaza Hotel, Iloilo City, 13-14 Oct. 2010

“The Latasan Experience” by C. Baes, R. Golbeque and J.H. Primavera, PO-NGO Conference on Mangrove Conservation, Rehabilitation and Climate Change, Eon Centennial Plaza Hotel, Iloilo City, 13-14 Oct. 2010

**“Aquatic Sciences: R&D & Extension for Food Security and Sustainable Development,” keynote presentation, 15th Annual RD&E Symposium, S&T Planning and Roadmapping Workshop, DOST-PCAMRD Zonal Center for Northern Mindanao, San Lorenzo Ruiz de Manila Pastoral Center, Butuan City, 10-12 Nov. 2010**

“Mangrove Biodiversity and Climate Change in Southeast Asia with Focus on the Philippines,” International Conference on Climate Change and Biodiversity, Philippine International Conference Center, Roxas Blvd., Metro Manila, 1-3 Feb. 2011

“The Agusan Marsh and the Agusan River Basin: The Need for Science-based Development,” Second National Congress on Philippine Lakes, SEARCA, Los Baños, Laguna, 27-29 April 2011

“Beach Forests and Native Trees,” Governance and Local Development towards Sustainable Management of Forests, Conservation-Compatible Livelihoods and Poverty Reduction, Haribon Foundation-DENR-Foundation for Philippine Environment, Holiday Inn Galleria, Manila, 27-29 April 2011

“Mangrove Rehabilitation,” Governance and Local Development towards Sustainable Management of Forests, Conservation-Compatible Livelihoods and Poverty Reduction, Haribon Foundation-DENR-Foundation for Philippine Environment, Holiday Inn Galleria, Manila, 27-29 April 2011

“Mangroves,” Saving the Shallows, 2nd International Marine Conservation Congress, Victoria, Canada, 14-18 May 2011

 “Approaches to Community-Based Mangrove rehabilitation in Panay Is., central Philippines,” 4th World Conference on Ecological Restoration, Merida, Mexico, 21-25 Aug. 2011

“A Call of the Wild ... Flora of the Philippines (or How to Honor Leonard Co),” UP Institute of Biology, Diliman, Q.C., 31 Aug 2011

“Mangroves and (Abandoned) Ponds: An NGO/Scientist’s Perspective,” Inter-Agency Policy Dialogue and Planning Workshop: Best Use of Public Lands Released for Fishponds, Dept. of Agriculture RFU IV-A, Visayas Ave., Diliman, Q.C., 15 Sept. 2011

“Coastal Reforestation,” lecture at the Zoological Society of London, London, 29 Nov. 2011

“Native Flora and the National Greening Program”, Seminar on Climate Change, Xavier University –Ateneo de Cagayan, Cagayan de Oro City, 8 Feb. 2012

“Reforestation and Native Trees,” U.P. Alumni Association, Iloilo Chapter, 4 Feb. 2012

“Mangroves as Coastal Buffers and Sediment Sink,” Seminar on Climate Change, Xavier University –Ateneo de Cagayan, Cagayan de Oro City, 8 Feb. 2012

**“Mangroves and Climate Change,” Annual Conference, EARCOS Global Issues Network, International School Manila, Taguig City, 17-19 Feb. 2012**

“Climate Change Mitigation and Adaptation through Mangrove Conservation and Rehabilitation,” International Conference on Wetland Forests, Bandar Seri Begawan, Brunei Darussalam, 22-23 Mar. 2012

“Climate Change: a) Native Flora and the National Greening Program, and b) Mangroves as Coastal Buffers and Sediment Sink,” Women Weathering Climate Change: Governance and Accountability, Everyone’s Responsibility, National Anti-Poverty Commission, Bulwagang Tandang Sora, CSWCD, UP Diliman, Q.C., 26 Mar. 2012

“Current Mangrove Programs – Planting by Convenience, not by Ecology,” 4th Regional Symposium and Workshop of the Outstanding Young Scientists, Inc. SEAFDEC, Tigbauan, Iloilo, 13-14 April 2012

“Seafront Outplanting,” National Mangrove Conference, ZSL-CMRP and GiZ, Iloilo City, 18-20 April 2012

“Mangrove Ecology and Management,” Training on Biodiversity Conservation Projects for Locally Managed Protected Areas and Principles of Stock Enhancement and Habitat Rehabilitation, SEAFDEC, Tigbauan, Iloilo, 21 April 2012

**“A lifetime of mangrove research, management and advocacy,” plenary lecture, MMM3 Conference (Meeting on Mangrove ecology, functioning and Management), Galle, Sri Lanka, 4-6 July 2012**

“Beach Forests and Native Trees and Lolong/Agusan Marsh,” panel presentation, Mindanao State University Alumni Association Grand International Reunion, Butuan City, 24-25 Aug. 2012

**“Beach Forests and the National Greening Program,” plenary paper at the Annual Conference, Biology Teachers Association (BIOTA), Caraga, Butuan City, 24-26 Aug. 2012**

“Aquaculture and Coastal Risks and the Role of Mangroves” by J.H. Primavera, Special Forum on Climate Change Considerations, Issues and Challenges for Business Continuity Planning, sponsored by TOWNS Foundation's IC3 (Information Caravan on Climate Change) and Management Association of the Philippines, Ayala Tower 1, Makati, M.M., 16 Oct. 2012

“Aquasilviculture - General Concepts,” Aquasilviculture Training, LGU Ibajay, KII Multipurpose Hall, Ibajay, Aklan, 19-20 Oct. 2012

“Mangroves and Tangalan,” “Mangrove Biology/Ecology and Mangrove Nursery,” Mangrove EcoPark Training, LGU Tangalan, Aklan, Devora Beach Resort, Aklan, 26-27 Oct. 2012

“Mangrove Rehabilitation and AUU in the Philippines,” Mini Symposium on Coastal Partnerships in Asia, Sector Network Natural Resources & Rural Development on Coastal Zone Management & Climate Change (SNRD Asia - CZM & CC), Bacolod, 8 Nov. 2012

**Panelist, Forest Day 6 Forum on "Mangroves under pressure: Forgotten wetlands in the changing climate” hosted by the Center for International Forestry Research CIFOR) at the United Nations Framework Convention of Climate Change's (UNFCCC) Conference of the Parties (COP), Renaissance Doha City Center Hotel, Qatar, 27 Nov.-6 Dec. 2012**

**“The Community–based Mangrove Rehabilitation Project: Paradigm Shifts in Mangrove Reforestation” by J.H. Primavera, AMT Guzman, JD Coching, RJA Loma, DCurnick and HJ KoIdewey, plenary paper, 1st ASEAN Congress on Mangrove Research and Development, Century Park Hotel, Manila, Philippines, 3-7 Dec. 2012**

 “Mangroves and Climate Change,” NTSP Forum, Filamer Christian University, Roxas City, 2 Feb. 2013

“Integration of Mangroves and Aquaculture,” International Seminar-Workshop on Mud Crab Aquaculture and Fisheries Management, Sirkazhi, Tamil Nadu, India, 10-12 Apr. 2013

“The Agusan Marsh: So Important (to Mindanao), So Little Research,” Annual Symposium, Wildlife Conservation Society of the Philippines, Central Mindanao University, Musuan, Bukidnon, 16-19 Apr. 2013

“Mangrove Associates and Beach Forest Species for the National Greening Program,” poster presented at the Annual Symposium, Wildlife Conservation Society of the Philippines, Central Mindanao University, Musuan, Bukidnon, 16-19 Apr. 2013

**“Mangroves and Beach Forests,” Upper School Chapel, Brent International School Manila, Binan, Laguna, 26 Apr. 2013**

## “The importance of mangroves to fisheries,” Parallel Session 4 (The role of ecosystem services), International Conference on Forests for Food Security and Nutrition, FAO Headquarters, Rome, 13-15 May 2013

“Mangrove Conservation and Rehabilitation in the Philippines,” Blue Carbon Scientific Workshop, University of Technology Sydney, Australia, 15-17 May 2013

“Mangroves and Climate Change,” and Walking Tour along the Iloilo River Esplanade, The Community Press and Climate Change: A Seminar Workshop on Climate Change Reporting, Iloilo City, 6 June 2013

“Beach Forests,” The Community Press and Climate Change: A Seminar Workshop on Climate Change Reporting, Iloilo City, 6 June 2013

**"Mangroves -- What More," 40thAnniversary Seminar Series, Marine Science Institute, University of the Philippines, Quezon City, 22 July 2013**

"Mangroves," Seminar -A Preview on the Coastal Ecosystems in the Caraga Region, Kaisampalad, Inc., Butuan City, 15 Aug. 2013

**“Mangroves and Beach Forests as Learning Laboratories for Environmental Studies,” International Conference on Inquiry-Based Science, National Organization of Science Teachers and Educators, Bacolod City, 20-22 Sep. 2013**

“Beach Forests and Mangrove Associates in the Philippines,”7th*Karunungan* Festival, UNESCO National Commission of the Philippines, Miriam College, Quezon City, 21 Sep. 2013

“Science-Based and Community-Based Mangrove Rehabilitation,” IUCN SSC MSG Meeting, Zoological Society of London, London, 16 Oct. 2013

“Beach Forest Species for the DENR National Greening Progam,” 12th National Symposium on Marine Science, Philippine Association of Marine Science, UPV Tacloban, Tacloban City, 24-26 Oct. 2013

“Mangrove Ecoparks and Barriers: Climate Change Mitigation and Adaptation,” 12th National Symposium on Marine Science, Philippine Association of Marine Science, UPV Tacloban, Tacloban City, 24-26 Oct. 2013

“Mangrove Reversion of Abandoned Brackishwater Fishponds as Climate Change Strategy I: Pond Database,” 12th National Symposium on Marine Science, Philippine Association of Marine Science, UPV Tacloban, Tacloban City, 24-26 Oct. 2013

**"Shelter from the Storm: Mangrove-Beach Forest Greenbelts," 66th Anniversary of the U.P. Christian Youth Movement, Sermon of the morning service, Church of the Risen Lord, University of the Philippines, Diliman, Q.C., 10 Nov. 2013**

“Beach Forest Species for the National Greening Program,” 2nd International Symposium, Pampanga Agricultural College, Pampanga, 15-16 Nov. 2013

“Shelter from the Storm: Mangrove Greenbelts and Storm Surges,” 2nd International Symposium, Pampanga Agricultural College, Pampanga, 15-16 Nov. 2013

“Shelter from the storm: Mangrove-Beach Forest Greenbelts,” Forum on Mangroves and Beach Forest Greenbelts, U.P. Diliman, Quezon City, 9 Dec. 2013

“Storm Surges and Mangrove-Beach Forest Greenbelts,” Annual UCCP- CYF Christmas Conference, Batuan Ilaya UCCP, Oton, Iloilo, 26-30 Dec 2013

“Storm Surges, Tsunamis: Mangrove and Beach Forest Greenbelts,” Grades 4, 5 and 6 classes of Raya School, Quezon City, 16 Jan. 2014

 “Mangroves 101,” Seminar on Mangrove Rehabilitation: Beyond the Photo Op, Business for the Philippine Environment, Ortigas Center, M. Manila, 7 Feb. 2014

“Mangrove Rehabilitation,” Seminar on Mangrove Rehabilitation: Beyond the Photo Op, Business for the Philippine Environment, Ortigas Center, M. Manila, 7 Feb. 2014

“Beach Forest for Coastal Greenbelts and the NGP,” Mangrove Forum (Determining Status of Brackishwater Fishponds and Identifying Beach Forest Species for Reforestation in Western Visayas), Bacolod City, 11-13 Feb. 2014

“Shelter from the Storm,” Mangrove Forum (Determining Status of Brackishwater Fishponds and Identifying Beach Forest Species for Reforestation in Western Visayas), Bacolod City, 11-13 Feb. 2014

“Mangrove-Friendly Aquaculture,” Restoring Coastal Livelihoods: Increasing the Resilience of Mangrove-Aquaculture Socio-Economic-Ecological Systems in Southeast Asia, Mangrove Action Project-Indonesia, Bogor, Indonesia, 17-20 Feb. 2014

“Shelter from the Storm,” Round Table Discussion on the 40-meter No Build **Zone**, NGOs for Fisheries Reform, Ateneo de Manila University Campus, Q.C., 28 Feb. 2014

“Importance of Mangroves to Capture Fisheries and Aquaculture,” International Workshop on Resource Enhancement and Sustainable Aquaculture Practices, SEAFDEC Aquaculture Department, Iloilo City, 5-9 May 2014

“Mangrove Rehabilitation/Restoration (community-based, innovations, seafront rehabilitation vs. reversion of abandoned ponds),” Symposium on Future Challenges to Mangrove Research, Leibniz Center for Tropical Marine Ecology (ZMT), Bremen, Germany, 14 March 2014

“Comparison of pre- and post-Haiyan Mangroves in Panay Is., central Philippines,” Workshop on Mapping Yolanda’s Impact on Philippine Mangroves: Impacts and Recovery, ZSL and UP-IESM, UP Diliman, Q.C., 21-22 March 2014

“Shelter from the Storm: Why We Need Mangrove-Beach Forest Greenbelts," Meeting of the Philippine Green Building Council, Bonifacio Global City, Taguig City, 26 March 2014

“Typhoon Yolanda and Mangrove Protection/Rehabilitation,” Sharing Session with DBM Staff, Dept. of Budget and Management Bldg., Manila, 26 Mar. 2014

“Assessment of Eastern Samar and Panay Mangroves,” Orientation-Seminar: Post-Yolanda Mangrove Assessment and Rehabilitation in Eastern Visayas, UPV Tacloban College, Tacloban, 21 April 2014

Participant in Spaceship Earth - meeting challenges for living on the Blue Planet under siege, Peter Wall Institute for Advanced Studies, University of British Columbia, Vancouver, 5-9 May 2014

“Assessment of Yolanda impacts on mangroves in Guiuan, Northern Leyte Gulf and Matarinao Bay, Eastern Samar” in Mapping Typhoon Haiyan’s impact on Philippine mangroves: impacts and recovery. Workshop for LGU, NGO and PO Resource Managers, University of the Philippines in the Visayas–Tacloban College, Tacloban City, 13-14 May 2014

“The Zoological Society of London-Philippines Experience (Abandoned Ponds-Mangroves and Beach Forests),” Workshop on Best Practices on Coastal Management in the Philippines:  The ACCCoast Project, Mactan, Cebu, Philippines, 26-27May 2014

“The KII Mangrove Ecopark,” Regional Forum on Solutions for Oceans, Coasts and Human Well-Being in Asia and the Pacific, Blue Solutions, Cebu City, 27–30 May 2014

“The Importance of Mangrove Biodiversity and Threats from Mangrove Planting,” National Action Planning Workshop for Designing the Framework for the Mangrove conservation Program of the Philippines, DENR Biodiversity Management Bureau, Quezon City, 23-24 June 2014

“Ecological Impacts of Typhoon Yolanda,” International Conference and Service Learning Program, United Board for Christian Higher Education in Asia, Central Philippine University, Iloilo City, 29-30 June 2014

Lecture-practicum on Native Trees, Youth Camp and Tree-Planting Activity, Pag-ulikid Project of UCCP Iloilo City (30 students, staff), Salngan, Oton, Iloilo, 22 Jul 2014

“Regreening of the Esplanade and Iloilo City with Native Beach Forests (vs Exotic) Trees,” Research Conference, Western Institute of Technology, Iloilo City, 31 July 2014

“Plastics/Solid Wastes and Junk/Fast/Slow Foods” to ~200 First and Second Year Students, Aklan State University College of Fisheries and Marine Sciences, Aklan, 18 Aug. 2014

“Mangrove Biology/Taxonomy” and “Mangrove Conservation and Rehabilitation”, Seminar/Orientation and Launching of Implementation of the Philippine National Aquasilviculture Program for Batan Aklan, Aklan State University College of Fisheries and Marine Sciences, Aklan, 19 Aug. 2014

“Beach Forests and Native Trees,” Pag-ulikid Student Center, UCCP, Iloilo City, 7 Sept. 2014

“Biology, Ecology and Fisheries of Imbao *Anodontia edentula,*” Training on Traditional and Sustainable *Imbao* Collection, ZSL-Oxfam Project, Sea Camp, Sta. Fe, Bantayan, 21 Sep. 2014

**“Mangroves and Beach Forests as Learning Laboratories,” keynote lecture at Seminar-Workshop on Natural Disasters and Preparedness: Mitigation and Preparedness for Science Teachers, National Organization of Science Teachers and Educators, Iloilo City, 26-28 Sept. 2014**

“Ecology,” Panel discussion, 15th Quadrennial Assembly Asian Church Women’s Conference, Carmelite Missionaries Center of Spirituality, Tagaytay City, 8-13 October, 2014

“Coastal Greenbelts and Disaster Preparedness – Lessons from Typhoon Yolanda,” International Scientific Conference on Fisheries and Aquatic Sciences, Iloilo City, 21-23 Oct. 2014

Lectures on Mangrove biology and taxonomy, Mangrove conservation and protection (including eco-parks), Beach Forest biology and Beach Forest nursery, Mangrove and Beach Forest Training Course, ZSL-ECOFISH, Culion, Palawan, 9-11 Oct. 2014

Lectures on Mangrove biology and taxonomy, Mangrove conservation and protection (including eco-parks), Beach Forest biology and Beach Forest nursery, Mangrove and Beach Forest Training Course, ZSL, Tubigon, Bohol, 27-29 Oct. 2014

“Mangrove Best Management Practices and Mangrove Laws,” National Symposium on Fisheries (The Road to Sustainable Fisheries Governance), Oceana, Quezon City, 3 Nov.2014

“Mangroves and Coastal Protection – the Philippines and Typhoon Haiyan,” Symposium on Turning the Tide on Mangrove Loss, Zoological Society of London, IUCN SSC-MSG and Waterloo Foundation, U.K., 6-7 Nov. 2014

“Shelter from the Storm – the Need for Coastal Greenbelts,” International Conference on Mangroves of Asia-Pacific Countries in View of Climate Change, Kuala Lumpur, Malaysia, 11-13 Nov. 2014

“The Iloilo River: Development over Environment,” 2nd International River Summit, Marikina City, 19-21 Nov. 2014

“Coastal Greenbelts and Disaster Preparedness – Lessons from Typhoon Yolanda,” Environmental Psychology class, U.P. Visayas, Miagao, Iloilo, 24 Nov. 2014

“Sustainability of Coastal Ecosystems and Human Settlements: Role of Mangroves,” Lecture-Fora on Sustainability, U.P. Visayas, Miagao, Iloilo, 25 Nov. 2014

 “Case Study on Breakwaters – Pedada, Ajuy, Iloilo,” ZSL-OXFAM Coastal Erosion Forum, Bantayan, Cebu, 16-17 Dec. 2014

“Science-based Mangrove Rehabilitation and Conservation, and Relevant Laws,” Tanon Strait Protected Seascape Stakeholders’ Summit and Protected Area Management Board General Assembly (organized by Oceana), Cebu City, 12 Feb. 2015

“Resilience in mangroves in Eastern Samar and Bantayan,” ZSL Fisheries Connectivity Workshop, Cebu City, 16-17 Feb. 2015

“Coastal Erosion – the case study of Pedada, Ajuy Breakwaters,” ZSL Fisheries Connectivity Workshop, Cebu City, 16-17 Feb. 2015

“Community-based Mangrove-Beach Forest Rehabilitation,” 3rd National Auxiliary Board Meeting, Philippine Coast Guard Auxiliary, Iloilo City, 28 Feb. 2015

“How Schools can Push Science-based Mangrove Rehabilitation and Conservation, 50th Annual Convention of the Biology Teachers Association of the Philippines, Ateneo de Manila University, Q.C., 8-10 April 2015

“A Primer on Beach Forests,” 50th Annual Convention of the Biology Teachers Association of the Philippines, Ateneo de Manila University, Q.C., 8-10 April 2015

 “Mangrove Conservation and Sustainable Development” on Master in Public Management major in Local Governance and Development (MPM-LGD), Development Academy of the Phil Graduate School of Public and Development Management, Leyte Normal University, Tacloban City, 5 June 2015 and West Visayas State University, Iloilo City, 18 June 2015

 “Climate Change and Coastal Mangrove-Beach Forest Greenbelts,” Workshop on Vulnerability Assessments and Social Marketing, Philippine Ecosystem Alliance, Cebu City, 8-11 June 2015

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| “Mangrove Rehabilitation Experience: Case of ZSL Work in Panay Island,” Conference on Increasing Resiliency  to Climate Change and Natural Disasters through Rainforestation, Rain Forest Restoration Initiative, Quezon City, 8 July 2015“Mangrove Rehabilitation in Manila Bay,” Manila Bay Conference, Manila Ocean Park and BFAR-NFRDI,  Luneta Park, Manila, 29 Sep. 2015“Mangrove Biology, Management and Rehabilitation,” Workshop for the Bued Mangrove Park, ECOFISH,  Alaminos, Pangasinan, 1 Oct. 2015“The Role of Breakwaters and Ecoparks in Mangrove Rehabilitation and Conservation: the ZSL-CMRP Story,”  Turning the Tide on Mangrove Loss, IUCN Mangrove Specialist Group, Xiamen University, China,  12-13 Nov. 2015“Mangroves as Mudcrab Habitats,” National Mudcrab Congress, SEAFDEC Aquaculture Department, Iloilo City, 16-18 Nov. 2015“Mangroves and Beach Forest Greenbelts for Coastal Protection,” Butuan Global Forum, Fr. Urios University, Butuan City, 26 Nov. 2015 |

“Mangroves and Beach Forest Greenbelts for Coastal Protection,” Butuan Global Forum, Caraga State University, Butuan City, 26 Nov. 2015

“A Zoologist’s Love Affair with Plants — Mostly Native, Many Coastal Species,” Third International Symposium, Philippine Native Plant Conservation Society, U.P. Diliman, 27-29 Nov. 2015

 “Mangroves and Beach Forests for Coastal Greenbelts and Lowland Reforestation,” Bicol Regional Science Conference, Ateneo de Naga University, Naga City, 12-13 Jan. 2016

“Mangrove Rehabilitation and Conservation,” Regional and National Workshop on Reducing Impacts of Natural Hazards Using Ecosystems for Coastal Protection**,** City Hall, Tacloban City, 4 Feb. 2016 and DENR Biodiversity Management Bureau, Parks and Wildlife Center, Diliman, Q.C., 9 Feb. 2016

“Mangrove Conservation and Rehabilitation,” 1st Philippine Environmental Summit, SMX Convention Center, Pasay City, 9-11 Feb. 2016

“Mangrove Forests and Beach Forest Greenbelts for Coastal Protection and Aquaculture Development,” Butuan Global Forum, Fr. Saturnino Urios University, Butuan City, 23 Feb. 2016

 “Mangroves,” Scientific Consultation Forum on CITES, Cebu City, 1-3 Mar. 2016

“Life on Land – Plastic Wastes, Mangroves and Native Trees,” 6th Biennial National Volunteer Summit, Volunteer Organizations Information Coordination, and Exchange, Inc. (VOICE), UP Visayas, Iloilo City 28 May 2016

“Mangroves and Beach Forests for Coastal Greenbelts and Lowland Reforestation,” National Academy of Science and Technology, DOST XI, NAST Symposium for the Youth, Davao City, 16-17 Aug. 2016

 “Shelter from the Storm: Post-Haiyan Mangrove Damage and Recovery, and the Need for Coastal Greenbelts,” Meeting of the Economic Development Committee, Regional Development Council, Region VIII, Palo, Leyte, 22 Aug. 2016

“Mangroves and Beach Forests for Coastal Greenbelts and Lowland Reforestation,” National Academy of Science and Technology, DOST XI, Trailblazers: National Scientists Lecture Series, Calapan, Oriental Mindoro, 6-7 Sept. 2016

“Mangrove-Friendly Aquaculture,” International Symposium on the Conservation and Management of Wetlands, Kota Kinabalu, Malaysia, 27-28 Sep. 2016

“Mangrove Biology, Utilization, Conservation and Rehabilitation,” National Academy of Science and Technology, DOST X, Lecture Series and Symposium for the Youth, Cagayan de Oro City, 5-6 Oct. 2016

“Mangroves,” Shore It Up Confluence: Charting our 10th Year, MPIC, First Pacific Leadership Academy, Antipolo City, March 17-18, 2017

“Mangrove Rehabilitation in the Philippines: Science vs. Quotas,” International Tropical Timber Organization and International Society for Mangrove Ecosystems, Bali, Indonesia, 18-21 April 2017

"Pond Reversion to Mangroves and Mangrove Integration with Aquaculture," Round Table Discussion on Abandoned, Underutilized, and Undeveloped Fishpond Lease Agreements (AUU-FLA) in the Philippines for Coastal Resiliency and Sustainability, DENR BMP Training Center, Quezon City, 27 April 2017

"Mangrove and Beach Forest Rehabilitation," Roundtable Discussion on Regional Environmental Agenda, FPE Visayas Regional Advisory Committee, Iloilo City, May 10-13, 2017

"Mangrove Rehabilitation in the Philippines: How to Improve Survival Rates," First National Biodiversity Congress, Biodiversity Management Bureau-DENR, Crowne Plaza Galleria Manila Hotel, Quezon City, 23-24 May 2017

**“Mangrove Rehabilitation/Restoration in Southeast Asia,” plenary presentation, 2nd ASEAN Mangrove Congress, Conrad Hotel, Manila, 4-8 Sept. 2017**

“Mangrove Biology, Utilization, Conservation and Rehabilitation,” National Academy of Science and Technology, DOST VI, Lecture Series and Symposium for the Youth, Kalibo, Aklan, 5-6 Oct. 2017

**“Climate Change Resilience with Focus on Coastal Ecosystems,” Plenary presentation, Regional Scientific Meeting, National Academy of Science and Technology, Cagayan de Oro City, 12-13 March 2018**

“Beach Forests/Mangrove Associates and Climate Change – Coastal Protection and Lowland Reforestation,” 3rd National Mangrove Conference, Zoological Society of London, 18-20 April 2018

“Community-Based Mangrove Rehabilitation,” 34th National Convention, Philippine Coast Guard Auxiliary, Pasay City,24-26 May 2018

“The Agusan Marsh – A Paradise for Systematists and other Biologists,” Plenary presentation, 36th ASBP Symposium and Annual Meeting, Association of Systematic Biologists of the Philippines, Butuan City, 31 May-1 June 2018

“**Climate Change Resilience with Focus on Coastal Ecosystems,” Plenary presentation, 40th Annual Scientific Meeting, National Academy of Science and Technology, Manila Hotel, 11-12 Jul 2018**

“Conservation Research in Palawan with Focus on Mangroves and Beach Forests,” Sustainable Development Conference and Environmental Summit, Philippine Council for Sustainable Development, Puerto Princesa, 25-28 July 2018

“The Accidental Scientist,” Salinlahi Lecture Series, DOST-National Academy of Science and Technology, Tagbilaran, Bohol, 20 Sept. 2018

“Beach Forests for Coastal Protection and Other Ecological Functions,” 5th Philippine International Biodiversity Meeting and 3rd International Conference on Science Education and Technology, Catanduanes State University, Virac, Catanduanes, 15-17 Oct. 2018

“Mangroves and Beach Forests – for Coastal Greenbelts and Lowland Forest Restoration,” 14th Symposium and General Assembly, FORESPI, University of the Philippines Los Baños, 8-9 Nov. 2018

*“Crocodylus porosus* – A Journey from Brackishwater Mangroves to Freshwater Marsh.” 2nd Crocodile Forum in the Philippines, SEARCA, University of the Philippines Los Banos, 7-10 Mar. 2019

**“Why Mangroves are Vital to Fisheries and Aquaculture,” plenary paper, 12th Asian Fisheries and Aquaculture Forum, Iloilo Convention Center, Iloilo City, 8-12 April 2019**

“Mangrove Policies and Governance: CC Adaptation/Mitigation and Disaster Resilience,” Climate Smart and Disaster Resilient ASEAN International Conference, The Bay Leaf Hotel, Intramuros, Manila, 22-23 April 2019

**“Lessons in Mangrove Rehabilitation in the Philippines over the Decades,” keynote paper, 5th Mangrove Macrobenthos and Management (MMM5) Conference, Singapore, 1-5 July 2019**

**“Mangrove Rehabilitation in the Philippines over the past Decades,” plenary paper, 15th National Symposium in Marine Science (PAMS15), Aklan State University, Banga, Aklan, 4-6 July 2019**

“Mangrove Rehabilitation and Conservation in the Philippines over the Past Decades,” International Conference on Mangrove and its Related Ecosystems, Icomore, Purwokerto, Indonesia, 20-23 Aug. 2019

“Marine Habitats (and Their Inhabitants), with focus on Mangroves,” IsdaTalk 2019, UP Ichthyophilic Society, University of the Philippines Visayas, Miagao, Iloilo, 25 Sept. 2019

**“The Role of Mangroves and Beach Forests in Climate Change Resilience,” keynote paper, 51st Annual Convention of the Federation of Institutions for Marine and Freshwater Sciences, Southern Leyte State University, Sogod, Southern Leyte, 16-18 Oct. 2019**

“Lessons and Challenges in Mangrove Conservation/Restoration in the Philippines,” National State of the Mangrove Summit, Conservation International, Manila, 9-11 Oct. 2019

**“Mangroves (and Beach Forest) Conservation and Rehabilitation – the Role of Governance,” plenary paper, 2nd International Conference on Integrated Natural Resources and Environment Management, Philippine International Convention Center, Manila, 20-22 Nov. 2019**

**2020-2021: VIRTUAL CONFERENCES**

“The Beach Forest, An Underrated Ecosystem,” Native Trees Online Conference, 18 July 2020. <https://m.youtube.com/watch?v=PCDdDmnjnV0>

“Identify Pioneering Species (Beach Forest),” Philippine Native Tree Enthusiasts, 15 Aug. 2020

<https://drive.google.com/file/d/1jGsB__W9BfkUL9-pegIkkKopRWhZf1VP/view?usp=drivesdk>

CNN PHIL – Interview on TOOG TREE by Pia Hontiveros, 15 Sept. 2020 [https://cnnphilippines.com/videos/?fbclid=](https://cnnphilippines.com/videos/?fbclid=IwAR2Fnb-7OTLqAXjMRIjW-jR8Mgi59PX8AwYKKpyqJPO7KRK5pw7NvIcpr28)

Speaker, Public Forum: People’s Environmental Impact Assessment on Dolomite Dumping at Manila Bay, Ministry of Ecology, Living Laudato Si and Oceana, 16 Sept. 2020

“Mangrove Rehabilitation and Conservation in the Philippines,” Institute of Science and Environment, University of St. Joseph, Macau, China 29 Sept. 2020 <https://www.usj.edu.mo/en/events/online-public-lecture-mangrove-rehabilitation-conservation-philippines/>

“The Return of the Native: The Iloilo Tree, *Aglaia argentea”.* Co’s Digital Flora of the Philippines Zoominar Series, 8 October 2020. <https://youtu.be/QWFvl7byzbI>

“Beach Forest Species for Ornamentals and Landscape Use,” Native Trees Online Conference, 31 Oct. 2020

### Guest Speaker: Nature-based Solutions for Climate Crisis. ANG TINIG KLIMA, DENR, 6 Nov. 2020; RMN DZXL, 558 Manila. <https://www.youtube.com/channel/UC0x58b8W1OdhFcr3RJmJbmg>

**“Linking Science, Innovation & Policy: Beach Trees for Reforestation and Mangroves for Greenbelts,”** **keynote presentation,** 4th National Mangrove Conference, Zoological Society of London and G1Z, 24-27 Nov. 2020

“Mangrove Reversion and Tenurial Instruments,” RTD on Reverting AUU Fishponds into Mangroves, Oceana and ZSL, 2 Dec. 2020

“Celebrating Natural (and Cultural) Diversity through Beach Forest Species,” Umpukan sa Nayon: Greening our Cities, Nayong Pilipino, 5 Dec. 2020

[https://www.facebook.com/nayongpilipinoofficial/videos/1265521930492808](https://www.facebook.com/nayongpilipinoofficial/videos/1265521930492808/?__cft__%5b0%5d=AZUsRTPEkHuWapS1dCUJAmEmOs-HHWSc9SzfG13QkWaKy02XPLJsvFZbvkvGEDIRKqdHmgv0DNCwwNAfztTUYxncEyKrHETS_gyY82kGc3kvJ2RHu67Vie6RiM4aR7aDRt8G-PTS3nFbNSlZl_S9D7KFyQPIGjMf4dD_94xngpJS_A&__tn__=-UK-R)

“Mangroves of Manila Bay,” Press conference: Case filed against San Miguel, government re: dump and fill in Manila Bay, Oceana, 15 Dec. 2020

“From Barren ex-Ricefield to Biodiverse Native Tree Park,” Philippine Native Trees Enthusiasts, 21 Dec. 2020. <https://www.facebook.com/748501396/videos/10158882345151397/>

“Tenurial Status of Fishponds,” Small Group Discussion for the Proposed Review of FAO 197-1, NBCF-PCAF, 8 Jan. 2021

“Beach Forest Trees for Urban Landscaping and Reforestation,” 9 and Beyond, Iloilo City, 20 March 2021

“From NSDB Scholar to NAST Academician – my Journey as a Scientist (& Environmentalist),” National Women’s Month Celebration, NAST Meet Your Scientists, 25 March 2021

“Lessons on Mangrove Rehabilitation in the Philippines,” International Expert Meeting on Mangrove Restoration: Lessons for the Ogoniland Clean-up, United Nations Environment Programme, 10 May 2021

“Deforestation – Threat to Mangroves & Its Solutions, “Threats to our Mangroves - Pambansang Katipunan ng mga Samahan sa Kanayunan (PKSK) and Center for Agrarian Reform, Empowerment, and Transformation (CARET), 4 June 2021

“Mangrove Rehabilitation and Lessons from Yolanda”, Month of the Ocean: Mangrove Restoration, Philippine Parks & Biodiversity, 5 June 2021

“Mangroves,” Adapting to Climate Change (Session Three), **Oceans of Opportunity: Southeast Asia’s Shared Maritime Challenges,** Center for Strategic and International Studies, 22 June 2021

“Importance of Coastal Greenbelts,” GSIS Museum Lecture # 4: The Importance of Mangroves and Beach Forests in Climate Change Adaptation and Mitigation, 24 June 2021

"Mangroves and Coastal Resilience," Wavemaker Wednesday: Mangroves as Coastal Defense Against the Climate Crisis, Oceana, 30 June 2021

"Successful Mangrove and Native Tree Conservation Case Studies and their LGU Champions,” Liveable Cities Lab: Empowering Communities through Technology, 28 July 2021

Reactor, “Best Practices in Ecopark Management: Iloilo City Experience,” Visayas Cluster Conference, Philippine Institute of Environmental Planners, 27 Aug. 2021

Panelist, “Nature based solutions to the climate crisis,” Interactive online event, Zoological Society of London, 24 Sept. 2021 <https://www.zsl.org/science/whats-on/nature-to-get-out-of-the-climate-crisis-how-does-that-work>

“Mangroves v. Sea Grasses,” Paminaw: Kwentuhang Kalikasan. Wavefarers, 16 Sept. 2021

"The KII Mangrove Ecopark – An Ecological, Historical and (very) Personal Account," Understanding the Core Concepts: Local History, Heritage, and the Environment, TSIBOG Lecture-Workshop, U.P. Visayas, 5 Oct. 2021

“Mangroves & Beach Forest Greenbelts and Coastal Protection,” e-Learning series, Philippine Native Tree Enthusiasts, 4 Feb. 2022

“Mangrove Rehabilitation: The Philippine Experience,” 10th Annual International Conference on Environmental Science, Philippine Environmental Science Association, UP Visayas Tacloban College, and UP Los Baños SESAM, 27 May 2022

“Mangroves as Frontliners -- Operationalizing Community-based and Institutional Disaster Response Modalities,” When Super Typhoons Devastate Coastal Areas: Science Policy and Innovations Toward Socio-ecological Resilience. SRI 2022 Future Earth Philippines Panel, Future Earth, 22 June 2022

“Mangrove Principles and Policies,” Webinar on Marine Ecosystems and Policies. National Academy of Science and Technology, 24 June 2022

“Mangroves, Beach Forests and the Need for Coastal Greenbelts (Post-typhoon Mangrove Rehabilitation),” Investing in Communities and Nature Lecture Series, USAID and Gerry Roxas Foundation, 26 July 2022

“Labelling, Compiling and Storing Photo Specimens,” Mobile Photography, Liga Haynayan, Eastern Visayas Native Tree Enthusiasts, 13 August 2022

“Coastal Greenbelts – What are they and Why do we need them?,” Kamustahan, The Filipino SDG Action Hour, Future Earth Philippines and NAST, 9 Sept. 2022

“Mangroves and Climate Change Adaptation and Mitigation,” Protecting our Environment, Delta Lambda Sigma Alumnae Association, 10 Sept. 2022

“Issues and Challenges in Mangrove Rehabilitation and Conservation in the Philippines,” Why Mangroves Matter, UPLB CFNS, 23 Sept. 2022

“Mangrove Rehabilitation in the Philippines – Successful, Not so, or Not at all?,” Ocean Restoration Seminar, Bertarelli Foundation,” 27 Sept. 2022

**I. Conferences/Workshops Organized**

First International Conference on the Culture of Penaeid Prawns and Shrimps, SEAFDEC Aquaculture Department, Iloilo City, 2-6 November 1984

Second International Conference on the Culture of Penaeid Prawns and Shrimps, SEAFDEC Aquaculture Department, Iloilo City, 13-17 May 1996

6th PAMS Symposium, Philippine Association of Marine Science, Silliman University, Dumaguete City, Oct. 2001

International Workshop on Culture, Fisheries and Stock Enhancement of Portunid Crabs, Iloilo City, 20-22 Jan. 2005

Pew Workshop on Mangrove Instructional Materials Preparation for the West Visayas State University College of Education, Tangalan-Ibajay, Aklan, 30 May-1 April 2006

Scientific Meeting on the Biophysical Aspects of the Guimaras Oil Spill, SEAFDEC/AQD, Tigbauan, Iloilo, 15 Sept. 2006

First Scientific Conference on the Agusan Marsh, Balanghai Hotel, Butuan City, 21-23 May 2007

Pond-Mangrove Rehabilitation Workshop, Zoological Society of London, Iloilo Grand Hotel, Iloilo City, 10-12 Sept. 2007

Pilot-Testing of Mangrove Modules, Pew Fellowship for Marine Conservation, Tangalan, Aklan, 11-13 Oct. 2007

Agusan Marsh Research Proposal Writing Workshop, Balanghai Hotel, Butuan City,16-18 January 2008

Training of Teachers on the Use of Mangrove Modules, Pew Fellowship for Marine Conservation, Ajuy, Iloilo, 15-18 May 2008

Mangrove Seminar/Workshop, Zoological Society of London - Community-Based Mangrove Rehabilitation Project in the Philippines, Devora Beach Resort, Tangalan, Aklan, 29 Aug. 2008

Mangrove/Pond Governance Workshop, Zoological Society of London - Community-Based Mangrove Rehabilitation Project, Grand Hotel, Iloilo City, 12-13 Dec. 2008

Forum on Marine Science in the Philippines (featured speakers: Dr. A. Alcala, Dr. E. Gomez and Dr. P. Milan), sponsored by the Pew Fellows Program on Marine Conservation and Department of Science and Technology-Technology Application and Promotion Institute (DOST-TAPI), UP Marine Science Institute, Quezon City, 26 Jan. 2009

Coastal Greenbelt Workshop for Pond Operators, Zoological Society of London - Community-Based Mangrove Rehabilitation Project, Centennial Hotel, Iloilo City, 27 May 2009

Workshop on Seaweed Farming in Danajon Bank, Project Seahorse Foundation, Cebu City, 7 Aug. 2009

Seminar-Workshop on Fishpond Lease Agreement Cancellation and Mangrove Reversion, Zoological Society of London (ZSL) and Deutsche *Gesellschaft für Technische Zusammenabeit* (GTZ), Iloilo Grand Hotel, Iloilo City, 28-30 July 2010

PO-NGO Conference on Mangrove Conservation, Rehabilitation and Climate Change, Zoological Society of London, Eon Centennial Plaza Hotel, Iloilo City, 13-14 Oct. 2010

National Mangrove Conference – Climate Change Mitigation and Adaptation through Mangrove Conservation and Rehabilitation, Protected Areas and Wildlife Bureau (DENR-PAWB), *Deutsche Gesellschaft für Internationale Zusammenarbeit* (GIZ) and Community-based Mangrove Rehabilitation Project in the Philippines of the Zoological Society of London (ZSL-CMRP), Iloilo City, 18-20 April 2012

Brackishwater Pond Database Seminar-Workshop, *Deutsche Gesellschaft für Internationale Zusammenarbeit* (GIZ) and Community-based Mangrove Rehabilitation Project in the Philippines of the Zoological Society of London (ZSL-CMRP), Iloilo City, 2-3 April 2013

Forum on Determining Status of Brackishwater Fishponds and Identifying Beach Forest Species for Reforestation in Western Visayas, *Deutsche Gesellschaft für Internationale Zusammenarbeit* (GIZ) and Zoological Society of London (ZSL-Philippines), Bacolod City, 11-13 Feb. 2014

Workshop on Mapping Yolanda’s Impact on Philippine Mangroves: Impacts and Recovery, ZSL and UP-IESM, UP Diliman, Q.C.,21-22 March 2014

Mapping Typhoon Haiyan’s Impact on Philippine Mangroves: Impacts and Recovery. Workshop for LGU, NGO and PO Resource Managers, University of the Philippines in the Visayas-Tacloban College, Tacloban City, 13-14 May 2014

ZSL conferences, seminars, workshops – 2015 to present

**J. Consultancies/Outside Activities**

Shrimp/Prawn Culture Consultant to private companies in the Philippines and Malaysia, 1980-1989

Shrimp Hatchery Consultant, FAO Coastal Aquaculture Project (IND 85/059), Bangalore, India, 3 March-1 May 1984

Shrimp Culture Consultant, Government of Cuba, Centro de Investigaciones Marinas, Havana, 13 May-6 June 1984

Shrimp Maturation Consultant, Government of Cuba, 6 Sep.-3 Oct. 1985

Shrimp Hatchery Consultant, Asian Development Bank, Brackishwater Shrimp Culture Development Project Mission, Thailand, 13 Feb.-6 March 1985

Shrimp Maturation and Spawning Consultant, FAO Demonstration of Prawn Culture (CPR/85/080), Xincun Hui, Hebei Province, China, 15 Sep.-3 Oct. 1987; 2 May-2 June 1988

Consultant, Canadian Cooperative Association, Giant Prawn Breeding Project, Ranote, Thailand, 14-17 Oct. 1988

Coastal Resource Assessment, Malhiao, Badian, Cebu (Tambuyog Development Center), 29-30 Jan. 2004

Expert Witness for DA-Bureau of Fisheries Region 6, Civil Case No. 04-27222 (Issuance of TRC on FLA fee), Regional Trial Court, 6th Judicial Region, Branch 33, Iloilo City, 14 Feb. 2005

Consultative Workshop for Visayas on DENR DAO 2005-24 (Grant of Coastal Area Special Use Agreement), Punta Villa Training Center, Iloilo City, 6 June 2006

Critic, M.S. thesis (Stable Isotope Food Web Analysis of a Tropical Wetland Ecosystem Recently Invaded by the South American Sailfin Catfish *Pterygoplichthys disjunctivus*) of M. Hubilla-Travis, University of the Philippines in the Visayas, Iloilo, 29 Sept. 2009

Mangrove Technical Consultant (Ecosystem-based Adaptation to Climate Change in the Verde Island Passage), Conservation International, Oct-Dec. 2012

Costa Rica 2013 trip (10 days) upon the invitation of the University of Costa Rica (UCR) to give 5 Mangrove Lectures (on Biology/Ecology, Fisheries and Livelihoods, Conservation and Management, Ecotourism and Rehabilitation) to mangrove fisher associations, students, faculty, NGOs and government officials; join a field trip to the 14,000-ha Sierpe mangroves to the south; and attend meetings with government and NGO officials, etc. The visit and subsequent interview are featured in the following UCR websites:

www.biologia.ucr.ac.cr

 www.ucr.ac.cr (click on the box *Pizarra*that appears to the lower right)

[www.biologiatropical.ucr.ac.cr](http://www.biologiatropical.ucr.ac.cr)

<http://www.ucr.ac.cr/noticias/2013/09/16/ustedes-todavia-tienen-manglares-que-conservar.html>