

## CURRICULUM VITAE

### Ma. Junemie Hazel L. Lebata-Ramos

SEAFDEC Aquaculture Department  
Tigbauan, Iloilo 5021, Philippines  
E-mail: [jlebata@seafdec.org.ph](mailto:jlebata@seafdec.org.ph)

Westwoods Subdivision  
Mandurriao, Iloilo City 5000, Philippines  
[junemie@yahoo.com](mailto:junemie@yahoo.com)

#### AREAS OF INTEREST

- biology, ecology, assessment, stock enhancement and culture of crustaceans (*Scylla* spp. and penaeids,) and mollusks (abalone, oyster, giant clam, angelwing clam and *imbao*)
- biology, ecology, assessment and rehabilitation of mangroves
- integrated multitrophic aquaculture (IMTA)
- environmental impacts of aquaculture

#### EDUCATION

**Ph.D. Ocean Sciences** – School of Ocean Sciences, University of Wales Bangor, Anglesey, Wales, United Kingdom, February 2003-April 2007; **THESIS:** Stock enhancement of the mud crabs *Scylla* spp. in the mangroves of Naisud and Bugtong Bato, Ibajay, Aklan, Philippines

**M.Sc. Fisheries Biology** – Institute of Marine Fisheries and Oceanology, College of Fisheries, U.P. Visayas, Miag-ao, Iloilo, Philippines, June 1994-April 1999; **THESIS:** Bacteria, elemental sulfur and stable carbon isotope ratios in the mangrove mud clam *Anodontia edentula*, (Linne, 1758)

**B.S. Biology** – Division of Biological Sciences, College of Arts and Sciences, U.P. Visayas, Iloilo City, Philippines, June 1988-April 1992; **THESIS:** Taxonomy and distribution of seagrass-associated echinoderms in Taklong Island, Nueva Valencia, Guimaras

**High School** – Lambunao Institute of Science and Technology, Lambunao, Iloilo, Philippines, June 1984-March 1988, First Honors from 1<sup>st</sup> to 4<sup>th</sup> Year

**Elementary** – Don Eugenio Ladrido Memorial Elementary School, Lambunao, Iloilo, Philippines, June 1978-March 1984, First Honors from 1<sup>st</sup> to 6<sup>th</sup> Grade

#### PROFESSIONAL EMPLOYMENT

##### *Designation*

1 May 2015-7 September 2017	Head, Training and Information Division
1 August 2013-30 April 2015	Head, Research Division
3 July 2012-31 July 2013	Head, Farming Systems and Ecology Section
1 August 2011-31 December 2011	Program Leader, Maintaining Environmental Integrity through Responsible Aquaculture Program
7 January 2009-31 July 2011	Program Leader, Aquatic Ecology Program
16 June 2008-14 November 2011	Head, Farming Systems and Ecology Section
15 August 2007-15 September 2011	Co-Program Leader, Stock Enhancement for Threatened Species of International Concern SEAFDEC Aquaculture Department Tigbauan, Iloilo, Philippines

##### *Appointment*

July 2007-Present:	Scientist
July 2006-June 2007:	Research Specialist SEAFDEC Aquaculture Department Tigbauan, Iloilo, Philippines
March 2006-May 2006:	Research Officer Centre for Applied Marine Sciences University of Wales, Bangor Menai Bridge, Anglesey, Wales, United Kingdom
February 2003-February 2006:	Associate Scientist
September 2002-January 2003:	Senior Technical Assistant
January 2001-April 2001:	Researcher I
July 1999-December 2000:	Associate Researcher
January 1999-June 1999:	Technical Assistant III
February 1997-December 1998:	Technical Assistant II

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February 1993-January 1997:	Technical Assistant I SEAFDEC Aquaculture Department Tigbauan, Iloilo, Philippines
May 1992-January 1993:	University Research Associate
February 1992-April 1992:	Science Aide (Part-time) University of the Philippines Visayas Iloilo City, Philippines
<b>Eligibility</b>	Civil Service Commission Career Service Professional Examination Civil Service Commission Region VI, Iloilo City, Philippines Rating: 90%

### HONORS/AWARDS and GRANTS

- 2<sup>nd</sup> Place**, World Oyster Society Early Stage Investigator Award, The 7<sup>th</sup> International Oyster Symposium, Bangor University, Wales, United Kingdom, 11-14 September 2017
- 2012 Lambunao Centennial Award**, Lambunao, Iloilo, Philippines, 13 December 2012
- 2012 UP Alumni Association, Inc. (Iloilo Chapter) Outstanding Professional for Fishery and Ocean Sciences**, 2012 UPV Alumni and Faculty Homecoming, University of the Philippines Visayas, Iloilo City, Philippines, 28 July 2012
- 2011 West Visayas State University-Lambunao Campus Outstanding Alumni**, 3<sup>rd</sup> Grand Alumni Homecoming, Lambunao, Iloilo, Philippines, 16 September 2011
- 2011 Ten Outstanding Lambunaoonon (Field of Agriculture)**, Lambunao Municipal Fiesta Celebration, Lambunao, Iloilo, Philippines, 10 September 2011
- 2009 Japan International Award for Young Agricultural Researchers**, Japan International Research Center for Agricultural Sciences, Ministry of Agriculture, Forestry and Fisheries, Yayoi Auditorium, The University of Tokyo, Tokyo, Japan, 4 November 2009
- 2009 Elvira O. Tan Memorial Award**, Best Published Paper in Aquaculture and Inland Fisheries Category for the paper "Evaluation of hatchery-based enhancement of the mud crab, *Scylla* spp., fisheries in mangroves: comparison of species and release strategies" published in Marine and Freshwater Research 60(1): 58-69 by Ma. Junemie Hazel Lebata, Lewis Le Vay, Mark E. Walton, Joseph B. Biñas, Emilia T. Quinitio, Eduard M. Rodriguez and Jurgenne H. Primavera, Umali Auditorium, SEARCA, Los Baños, Laguna, Philippines, 24 July 2009
- 2005 Outstanding Book Award**, National Academy of Science and Technology, Philippines for the "Handbook of Mangroves in the Philippines – Panay" by J.H. Primavera, R.B. Sadaba, M.J.H.L. Lebata and J.P. Altamirano, Manila Hotel, Manila, Philippines, 14 July 2005
- AFMA (Agriculture and Fisheries Modernization Act) Best R&D Papers Award**, 15<sup>th</sup> National Research Symposium, Bureau of Agricultural Research, Department of Agriculture, Diliman, Quezon City, Philippines, 8 October 2003

### Grants

- Japan International Cooperation Agency Training and Dialogue Programs on Stock Management and Enhancement in the Sea, Kochi University, Kochi, Japan, 29 June-26 October 2009
- European Commission Ph.D. Grant, Ph.D. Ocean Sciences, University of Wales Bangor, Anglesey, Wales, United Kingdom, February 2003-February 2006
- Japanese Government Scholarship, Ph.D. Molecular Biology, University of Tokyo, Tokyo, Japan, April 2002-August 2002, (quitted due to health reasons)
- Japanese Government Scholarship, Research Student, Molecular Biology, University of Tokyo, Tokyo, Japan, April 2001-March 2002
- M.Sc. Thesis Funding, Philippine Council for Aquatic and Marine Resources Research and Development (PCAMRD), Department of Science and Technology (DOST), Los Baños, Laguna, Philippines, June 1997-April 1999

### PUBLICATIONS

2019. **Lebata-Ramos, M.J.H.** Refinement of existing oyster grow-out techniques, Terminal Report: National Oyster R&D Program. SEAFDEC Aquaculture Department, Tigbauan, Iloilo, pp. 76.
2018. **Lebata-Ramos, M.J.H.** Grow-out of abalone in small Islands and/or community, Terminal Report: National Abalone R&D Program. SEAFDEC Aquaculture Department, Tigbauan, Iloilo, pp. 114.
2016. **Lebata-Ramos, M.J.H.L.,** Doyola-Solis, E.F., Sibonga, R., Sumbing, J. Abrogueña, J.B., Santillan, A. &

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- M. Dimzon. SEAFDEC/AQD Stock enhancement initiatives: release strategies established. In: (Kawamura, H., Iwata, T., Theparoonrat, Y., Manajit, N. & V.T. Sulit, Eds.) *Consolidating the Strategies for Fishery Resources Enhancement in Southeast Asia, Proceedings of the Symposium on Strategy for Fisheries Resources Enhancement in the Southeast Asian Region, Pattaya, Thailand, 27-30 July 2015*. SEAFDEC Training Department, Samutprakan, pp. 151-156.
2016. **Lebata-Ramos, M.J.H.L.** & E.F. Doyola-Solis. Fishery resource enhancement: an overview of the current situation and issues in the Southeast Asian region. In: (Kawamura, H., Iwata, T., Theparoonrat, Y., Manajit, N. & V.T. Sulit, Eds.) *Consolidating the Strategies for Fishery Resources Enhancement in Southeast Asia, Proceedings of the Symposium on Strategy for Fisheries Resources Enhancement in the Southeast Asian Region, Pattaya, Thailand, 27-30 July 2015*. SEAFDEC Training Department, Samutprakan, pp. 124-128.
2015. **Lebata-Ramos, M.J.H.L.**, Doyola-Solis, E.F.C., Sibonga, R.C., Sumbing, J.G., Abroguena, J.B.R., Santillan, A., & M. Dimzon. SEAFDEC/AQD Stock enhancement initiatives: release strategies. In: (Romana-Eguia, M.R.R., Parado-Esteva, F.D., Salayo, N.D. & M.J.H. Lebata-Ramos, Eds.) *Resource Enhancement and Sustainable Aquaculture Practices in Southeast Asia: Challenges in Responsible Production of Aquatic Species, Proceedings of the International Workshop on Resource Enhancement and Sustainable Aquaculture Practices in Southeast Asia 2014*. SEAFDEC Aquaculture Department, Tigbauan, Iloilo, pp. 301-303.
2013. **Lebata-Ramos, M.J.H.L.**, Doyola-Solis, E.F.C., Abroguena, J.B.R., Ogata, H., Sumbing, J.G. & R.C. Sibonga. Evaluation of post release behavior, recapture and growth rates of hatchery-reared abalone *Haliotis asinina* released in Sagay Marine Reserve, Philippines. *Rev. Fish. Sci.* **21(3-4)**: 433-440.
2013. **Lebata-Ramos, M.J.H.L.** *Field Guide to Mangrove Identification and Community Structure Analysis*. SEAFDEC Aquaculture Department, Tigbauan, Iloilo. 32 p.
2012. **Lebata, M.J.H.L.**, Walton, M.E., Biñas, J.B., Primavera, J.H. & L. Le Vay. Identifying mangrove areas for fisheries enhancement; population assessment in a patchy habitat. *Aquat. Conser.: Mar. Freshw. Ecosystems* **22**: 652-664.
2012. **Lebata, M.J.H.L.**, Solis, E.F.D., Sibonga, R.C. & S. Watanabe. Co-culture trials of sandfish *Holothuria scabra* and black tiger shrimp *Penaeus monodon* in mangroves. In: (Tanaka, K., Morioka, S. & S. Watanabe, Eds.) *Sustainable Stock Management and Development of Aquaculture Technology Suitable for Southeast Asia*, JIRCAS Working Report No. 75. Japan International Research Center for Agricultural Sciences, Tsukuba, Ibaraki, pp. 87-95.
2010. **Lebata-Ramos, M.J.H.L.**, Okuzawa, K., Maliao, R.J., Abroguena, J.B.R., Doyola-Solis, E.F.C., Dimzon, M.D.N. & T.U. Dacles. Growth and survival of hatchery-bred giant clams (*Tridacna gigas*) in an ocean nursery in Sagay Marine Reserve, Philippines. *Aquac. Int.* **18**: 19-33.
2009. **Lebata, M.J.H.L.**, Le Vay, L., Walton, M.E., Biñas, J.B., Qunitio, E.T., Rodriguez, E.M. & J.H. Primavera. Evaluation of hatchery-based enhancement of the mud crab, *Scylla* spp., fisheries in mangroves: comparison of species and release strategies. *Mar. Freshw. Res.* **60(1)**: 58-69.
2009. **Lebata-Ramos, M.J.H.L.** Mangroves. In: (Ayson, E.G.D.J., Coloso, R.M., Marte, C.L., Gapasin, R.S.J., Eguia, M.R.R. & C.L. Pitogo, Eds.) *Training Handbook on Rural Aquaculture*. SEAFDEC Aquaculture Department, Tigbauan, Iloilo, pp. 17-25.
2007. **Lebata, M.J.H.L.**, Le Vay, L., Primavera, J.H., Walton, M.E. & J.B. Binas. Baseline assessment of fisheries for three species of mud crabs (*Scylla* spp.) in the mangroves of Ibajay, Aklan, Philippines. *Bull. Mar. Sci.* **80(3)**: 891-904.
2001. **Lebata, M.J.H.L.** & J.H. Primavera. Gill structure, anatomy and habitat of *Anodontia edentula*: evidences of endosymbiosis. *J. Shellfish Res.* **20(3)**: 1273-1278.
2001. **Lebata, M.J.H.L.** Oxygen, sulfide and nutrient uptake of the mangrove mud clam *Anodontia edentula* (Family Lucinidae). *Mar. Pollut. Bull.* **42(11)**: 1133-1138.
2000. **Lebata, M.J.H.L.** Elemental sulfur in the gills of the mangrove mud clam *Anodontia edentula* (Family Lucinidae). *J. Shellfish Res.* **19(1)**: 241-245.
1997. **Lebata, M.J.H.L.** & J.H. Primavera. Effect of salinity on survival of *Metapenaeus anchistus* juveniles and subadults. *UPV J. Nat. Sci.* **2(2)**: 83-90.
2017. SEAFDEC. Southeast Asian State of Fisheries and Aquaculture 2017. Southeast Asian Fisheries Development Center, Bangkok. 167 p. (Contributor)
2016. Primavera, J.H., Sadaba, R.B., **Lebata-Ramos, M.J.H.** & J.P. Altamirano. *Mangroves & Beach Forest Species in the Philippines*. Ecosystems Research Development Bureau, Department of Science and Technology, Laguna. 238 p.
2015. Primavera, J.H. & **M.J.H. Lebata-Ramos**. Sustainable harvesting of imbao *Anodontia philippiana*.
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- Zoological Society of London.
2015. Kodama, M., Sumbing, J.G., **Lebata-Ramos, M.J.H.** & S. Watanabe. Metabolic rate characteristics and sediment cleaning potential of the tropical sea cucumber, *Holothuria scabra*. *JARQ* **49(1)**: 79-84.
2015. Sekino, M., Ishikawa, H., Fujiwara, A., Doyola-Solis, E.F.C., **Lebata-Ramos, M.J.H.** & H. Yamashita. The first record of a cupped oyster species *Crassostrea dianbaiensis* in the waters of Japan. *Fish. Sci.* **81(2)**: 267-281.
2014. Orozco, Z.G.A., Sumbing, J.G., **Lebata-Ramos, M.J.H.** & S. Watanabe. Apparent digestibility coefficient of nutrients from shrimp, mussel, diatom and seaweed by juvenile *Holothuria scabra* Jaeger. *Aquac. Res.* **45(7)**: 1153-1163
2014. Watanabe, S., Sumbing, J.G. & **M.J.H. Lebata-Ramos**. Growth pattern of the tropical sea cucumber, *Holothuria scabra*, under captivity. *JARQ* **48(4)**: 457-464.
2013. Watanabe, S., Kodama, M., Sumbing, J.G. & **M.J.H. Lebata-Ramos**. Diet-tissue stable isotopic fractionation of tropical sea cucumber, *Holothuria scabra*. *JARQ* **47(1)**: 127-134.
2012. SEAFDEC. Southeast Asian State of Fisheries and Aquaculture 2012. Southeast Asian Fisheries Development Center, Bangkok. 139 p. (Contributor)
2012. Watanabe, S., Zarate, J.M., **Lebata-Ramos, M.J.H.**, Nievaes, M.F.J. & M. Kodama. Utilization of organic waste from black tiger shrimp, *Penaeus monodon*, by sandfish, *Holothuria scabra*. In: (Tanaka, K., Morioka, S. & S. Watanabe, Eds.) *Sustainable Stock Management and Development of Aquaculture Technology Suitable for Southeast Asia*, JIRCAS Working Report No. 75. Japan International Research Center for Agricultural Sciences, Tsukuba, Ibaraki, pp. 81-86.
2012. Watanabe, S., Zarate, J.M., **Lebata-Ramos, M.J.H.** & M.F.J. Nievaes. Evaluation of nutritional condition of juvenile sandfish (*Holothuria scabra*). In: (Hair, C.A., Pickering, T.D. & D.J. Mills, Eds.) *Asia-Pacific Tropical Sea Cucumber Aquaculture Proceedings of an International Symposium, ACIAR Proceedings No. 136*, Noumea, New Caledonia, 15-17 February 2011. Australian Centre for International Agricultural Research, Canberra, pp. 50-56.
2012. Watanabe, S., Kodama, M., Zarate, J.M., **Lebata-Ramos, M.J.H.** & M.F.J. Nievaes. Ability of sandfish (*Holothuria scabra*) to utilise organic matter in black tiger shrimp ponds. In: (Hair, C.A., Pickering, T.D. & D.J. Mills, Eds.) *Asia-Pacific Tropical Sea Cucumber Aquaculture Proceedings of an International Symposium, ACIAR Proceedings No. 136*, Noumea, New Caledonia, 15-17 February 2011. Australian Centre for International Agricultural Research, Canberra, pp. 113-120.
2011. Watanabe, S., Zarate, J.M., Sumbing, J.G., **Lebata-Ramos, M.J.H.** & M.F. Nievaes. Size measurement and nutritional condition evaluation methods in sandfish (*Holothuria scabra* Jaeger). *Aquac. Res.* **43(6)**: 940-948.
2010. Primavera, J.H., Binas, J.B., Samonte-Tan, G.P.B., **Lebata, M.J.**, Alava, V.R., Walton, M. & L. Le Vay. Mud crab pen culture: replacement of fish feed requirement and impacts on mangrove community structure. *Aquac. Res.* **41**: 1211-1220.
2008. Le Vay, L., **Lebata, M.J.H.L.**, Walton, M., Primavera, J., Qunitio, E., Lavilla-Pitogo, C., Parado-Estapa, F., Rodriguez, E., Ut, V.N., Nghia, T.T., Sorgeloos, P. & M. Wille. Approaches to stock enhancement in mangrove-associated crab fisheries. *Rev. Fish. Sci.* **16(1-3)**: 72-80.
2008. Okuzawa, K., Maliao, R.J., Qunitio, E.T., Buen-Ursua, S.M.A., **Lebata, M.J.H.L.**, Gallardo, W.G., Garcia, L.M.B. & J.H. Primavera. Stock enhancement of threatened species in Southeast Asia. *Rev. Fish. Sci.* **16(1-3)**: 394-402.
2007. Le Vay, L., Carvalho, G., Qunitio, E.T., **Lebata, J.H.**, Ut, V.N. & H. Fushimi. Quality of hatchery-reared juveniles for marine fisheries stock enhancement. *Aquaculture* **268**: 169-180.
2007. Primavera, J.H., Altamirano, J.P., **Lebata, M.J.H.L.**, delos Reyes, A.A. Jr. & C.L. Pitogo. Mangroves and shrimp pond culture effluents in Aklan, Panay Is., central Philippines. *Bull. Mar. Sci.* **80(3)**: 795-804.
2007. Walton, M.E., Le Vay, L., **Lebata, J.H.**, Binas, J. & J.H. Primavera. Assessment of the effectiveness of mangrove rehabilitation using exploited and non-exploited indicator species. *Biol. Conserv.* **138**: 180-188.
2006. Okuzawa, K., **Lebata, J.**, Ursua-Buen, S.M.A. & E.T. Qunitio. The SEAFDEC/AQD experience in stock enhancement. In: (Primavera, J.H., Qunitio, E.T. and M.R.R. Eguia, Eds.) *Proceedings of the Regional Technical Consultation on Stock Enhancement for Threatened Species of International Concern*, Iloilo City, Philippines, 13-15 July 2005. SEAFDEC Aquaculture Department, Tigbauan, Iloilo, pp. 17-26.
2006. Walton, M.E., Le Vay, L., **Lebata, J.H.**, Binas, J. & J.H. Primavera. Seasonal abundance, distribution and recruitment of mud crabs (*Scylla* spp.) in replanted mangroves. *Estuar. Coast. Shelf Sci.* **66(3-4)**: 493-500.
2004. Primavera, J.H., Sadaba, R.B., **Lebata, M.J.H.L.** & J.P. Altamirano. *Handbook of Mangroves in the*

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- Philippines – Panay*. SEAFDEC Aquaculture Department, Iloilo. 106 p.
2002. Primavera, J.H., **Leбата, M.J.H.L.**, Gustilo, L.F. & J.P. Altamirano. Collection of the clam *Anodonta edentula* in mangrove habitats in Panay and Guimaras, central Philippines. *Wetl. Ecol. Manag.* **10**: 363-370.
2000. Agbayani, R.F., Baticados, D., Garcia, L.M.B., Hurtado, A.Q., **Leбата, J.L.**, Marte, C.L., dela Peña, L.C., Primavera, J.H. & Y. Primavera-Tirol. *An Assessment of the Coastal Resources of Ibabay and Tangalan, Aklan: Implications for Management*, 2<sup>nd</sup> ed. SEAFDEC Aquaculture Department, Tigbauan, Iloilo.
2000. Primavera, J.H. & **M.J.H.L. Leбата**. Size and diel differences in activity patterns of *Metapenaeus ensis*, *Penaeus latisulcatus* and *P. merguensis*. *Mar. Freshw. Behav. Physiol.* **33**: 173-185.
1998. Primavera, J.H., Parado-Esteva, F.E. & **M.J.H.L. Leбата**. Morphometric relationship of length and weight of giant tiger prawn *Penaeus monodon* according to life stage, sex and sources. *Aquaculture* **164**: 67-75.
1995. Primavera, J.H. and **M.J.H.L. Leбата**. Diel activity patterns in *Penaeus* and *Metapenaeus* juveniles. *Hydrobiologia* **295**: 295-302.

## CONFERENCES, MEETINGS and SEMINARS ATTENDED (Past 10 years only)

### A) International

- Participant, JIRCAS-SEAFDEC Joint Workshop on IMTA Research: Understanding Current Challenges and Future Prospects, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, Philippines, 6-8 Aug 2019
- Speaker, Japan International Research Center for Agricultural Sciences (JIRCAS) Seminar on Development of Sustainable and Environmental Friendly Aquaculture Techniques in Coastal Waters in Myanmar, Myanmar Fisheries Federation, Myeik, Myanmar, 5 Mar 2018
- Participant, 7<sup>th</sup> International Oyster Symposium, Pontio Arts and Innovation Centre, Bangor University, Bangor, Wales, United Kingdom, 11-14 Sept 2017
- Participant, Workshop on Integrated Multi-trophic Aquaculture “Small-holder IMTA for Sustainable Livelihood Development: Technology, Constraints and Prospects”, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, Philippines, 13-14 Dec 2016
- Presenter and Panelist, 18<sup>th</sup> International Conference on Shellfish Restoration, Hyatt Place, Charleston, South Carolina, U.S.A., 16-19 Nov 2016
- Presenter and Chair, JIRCAS Projects in the Philippines Session, Development of Aquaculture Technologies for Sustainable and Equitable Production of Aquatic Products in Tropical Coastal Areas, King Mongkut’s Institute of Technology Ladkrabang, Bangkok, Thailand, 2-3 Dec 2015
- Participant, 18<sup>th</sup> Meeting of Fisheries Consultative Group (FCG) of the ASEAN-SEAFDEC Strategic Partnership (ASSP), Dusit Thani Hotel Manila, Makati, Philippines, 26-27 Nov 2015
- Presenter, 38<sup>th</sup> Meeting of the SEAFDEC Program Committee (PCM), Dusit Thani Hotel, Makati, Philippines, 23-25 Nov 2015
- Delegate, APEC 2015 High Level Policy Dialogue on Food Security in the Blue Economy, Iloilo Convention Center, Iloilo City, Philippines, 28 Sept-6 Oct 2015
- Poster Presenter, Aquaculture 2015, Le Corum, Montpellier, France, 23-26 Aug 2015
- Delegate, APEC 2015 High Level Policy Dialogue on Science and Technology in Higher Education, Philippine International Convention Center, Manila, Philippines, 13-14 Aug 2015
- Presenter and Panelist, Symposium on Strategy for Fisheries Resources Enhancement in the Southeast Asian Region, A-One The Royal Cruise Hotel, Pattaya, Thailand, 27-30 Jul 2015
- Rapporteur, ASEAN Regional Technical Consultation on Development and Use of Alternative Dietary Ingredients or Fish Meal Substitutes in Aquaculture Feed Formulation, Horizon Lake View Hotel, Nay Pyi Taw, Myanmar, 9-10 Dec 2014
- Participant, 17<sup>th</sup> Meeting of Fisheries Consultative Group (FCG) of the ASEAN-SEAFDEC Strategic Partnership (ASSP), Sunee Grand and Convention Center Hotel, Ubon Ratchathani, Thailand, 4-5 Dec 2014
- Presenter, 37<sup>th</sup> Meeting of the SEAFDEC Program Committee (PCM), Sunee Grand and Convention Center Hotel, Ubon Ratchathani, Thailand, 1-3 Dec 2014
- Participant, 15<sup>th</sup> Meeting of SEAFDEC Information Staff Program, Best Western Plus Antel Hotel, Makati City, Philippines, 28-30 Oct 2014
- Speaker, Symposium on Intertidal Conservation in Southeast Asia, Sungei Buloh Wetland Reserve, Singapore, 12-13 Jun 2014
- Participant, World Aquaculture Society Meeting, Adelaide Convention Center, Adelaide, Australia, 7-12 Jun 2014

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- Chair, Scientific Program Committee, International Workshop on Resource Enhancement and Sustainable Aquaculture Practices in Southeast Asia - Challenges in Responsible Production of Aquatic Species, Punta Villa Resort, Iloilo City, Philippines, 5-7 Mar 2014
- Participant, 16<sup>th</sup> Meeting of Fisheries Consultative Group (FCG) of the ASEAN-SEAFDEC Strategic Partnership (ASSP), Traders Hotel, Penang, Malaysia, 28-29 Nov 2013
- Presenter, 36<sup>th</sup> Meeting of the SEAFDEC Program Committee (PCM), Traders Hotel, Penang, Malaysia, 25-27 Nov 2013
- Presenter and Chair, JIRCAS Projects in the Philippines Session, Development of Aquaculture Technologies for Sustainable and Equitable Production of Aquatic Products in Tropical Coastal Areas, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, Philippines, 9-10 Oct 2013
- Co-chairperson, Workshop on Fisheries Management, International Seminar-Workshop on Mud Crab Aquaculture and Fisheries Management, Sirkazhi, Tamil Nadu, India, 10-12 Apr 2013
- Participant, Aquaculture 2013, Nashville Convention Center, Nashville, Tennessee, U.S.A., 21-25 Feb 2013
- Participant, 1<sup>st</sup> Philippine International River Summit, The Centennial Resort Hotel and Convention Center, Alta Tierra Village, Jaro, Iloilo City, Philippines, 30 May-1 Jun 2012
- Participant, SEAFDEC International Workshop on Fish Health Management: Accelerating Awareness and Capacity-Building in Southeast Asia, Sarabia Manor Hotel and Convention Center, Iloilo City, Philippines, 1-2 Mar 2012
- Participant, 2011 Joint Seminar-Workshop between the University of the Philippines Visayas, Kagoshima University, Research Institute for Humanity and Nature and SEAFDEC/AQD, University of the Philippines Visayas, Iloilo City, Philippines, 21-22 Nov 2011
- Rapporteur, The ASEAN-SEAFDEC Conference on Sustainable Fisheries for Food Security Towards 2020, Fish for the People 2020: Adaptation to a Changing Environment, The Sofitel Centara Grand Bangkok Hotel, Bangkok Thailand, 13-17 Jun 2011
- Participant, Fourth International Symposium on Stock Enhancement and Sea Ranching, Shanghai Ocean University, Shanghai, China, 21-23 Apr 2011

**B) Local**

- Participant, Public Consultation for NRCP House Bill 2108 known as the National Research Council of the Philippines Act of 2018, an Act Strengthening the National Research Council of the Philippines of the Department of Science and Technology for the Promotion of Research Work along Scientific Lines and Appropriating Funds Therefor, University of San Agustin, Iloilo City, 21 Oct 2019
- Participant, Oyster Writeshop, Department of Science and Technology - Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development, Los Baños, Laguna, 22-23 Jul 2019
- Participant, Oyster Writeshop, Department of Science and Technology - Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development, Los Baños, Laguna, 20-21 Jun 2019
- Participant, Roundtable Discussion on the DOST Monitoring and Evaluation Protocol (Visayas Leg), Courtyard by Marriott, Iloilo City, 18 Jun 2019
- Participant, Building up an International Research Network for Successful Seed Production Technology Development and Dissemination Leading Southeast Asian Region, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, 17 Jun 2019
- Resource Person, Technology Training on Oyster Production: Raft Method to CEST Project Beneficiaries in President Roxas, President Roxas, Capiz, 6-7 Mar 2019
- Speaker, National Oyster Summit, Richmonde Hotel, Iloilo City, 14-15 Nov 2018
- Resource Person, Regional S&T Week Celebration S&T Fora, Hotel Veronica, Roxas City, 30 Aug 2018
- Speaker, U.P. Visayas Office of Student Affairs Career Guidance Orientation, University of the Philippines Visayas, Iloilo City, 24 Mar 2018
- Speaker, Agrilink 2017, World Trade Center, Pasay City, 7 Oct 2017
- Resource Person, FishLink 2017: Exploring New Aquaculture Technologies Towards Food Security and Sustainability, Iloilo Grand Hotel, Iloilo City, 6-8 Sep 2017
- Participant, Training on Coastal Resource Extraction from LiDAR and other Remotely-sensed Data, National Engineering Center, University of the Philippines - Diliman, Quezon City, 30 Aug-1 Sep 2017
- Speaker, Aquaculture Philippines 2017 Technical Seminar Series, SMX Convention Center, Pasay City, 26 May 2017
- Participant, National Research Council of the Philippines Annual Scientific Conference and 84<sup>th</sup> General

- Membership Assembly, Philippine International Convention Center, Manila, 22 Mar 2017
- Moderator, The 2016 Annual Progress and Planning Meeting of the Government of Japan Trust Fund Projects on the Promotion of Sustainable Aquaculture and Resource Enhancement in Southeast Asia, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, 9 Feb 2017
- Lecturer, Training Course on Aquaculture Technologies for Seaweed and Oyster, Brgy. Old Kawayan, Tacloban City, Leyte, 31 Aug-2 Sep 2016
- Lecturer, Learning Event on Coastal Vulnerability Assessment for Pandan Bay, LS Suites, Culasi, Antique, 19 May 2016
- Chair, Aquasilviculture Session, First National Mud Crab Congress, Diversion 21 Hotel, Iloilo City, 16-18 Nov 2015
- Poster Presenter, First National Mud Crab Congress, Diversion 21 Hotel, Iloilo City, 16-18 Nov 2015
- Participant, Philippine Association of Marine Science Symposium, General Santos City, 22-24 Oct 2015
- Presenter, 25<sup>th</sup> Meeting of the Philippine Technical and Administrative Committee (PTAC) for SEAFDEC/AQD, Best Western Antel Hotel, Makati City, 20 Oct 2014
- Resource Person, National Science and Technology Week 2015 SIPAG ni Juan Fora, SMX Convention Center, Mall of Asia Complex, Pasay City, 24 Jul 2015
- Speaker, Farmers' Forum, 42<sup>nd</sup> SEAFDEC Aquaculture Department Anniversary, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, 9 Jul 2015
- Participant, Roundtable Discussion on Managing Philippine Coastal and Inland Fisheries, Acacia Hotel Manila, Alabang, Muntinlupa City, 17 Mar 2015
- Participant, The 2014 Annual Progress and Planning Meeting of the Program under the ASEAN-SEAFDEC Consultative Group Mechanism Funded by the Government of Japan Trust Fund in SEAFDEC/AQD, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, 18-19 Feb 2015
- Resource Person, Mangrove Enhancement and Nursery Establishment Training, Masao Beach Resort, Butuan City, 22-23 Oct 2014
- Resource Person, 4<sup>th</sup> Butuan City and Agusan del Norte Fisherfolk Convention, Provincial Capitol Covered Court, Butuan City, 21 Oct 2014
- Presenter, 24<sup>th</sup> Meeting of the Philippine Technical and Administrative Committee (PTAC) for SEAFDEC/AQD, Best Western Antel Hotel, Makati City, 16 Oct 2014
- Speaker, U.P. Fisheries Guild Annual Career Orientation Program, University of the Philippines Visayas, Miagao, Iloilo, 8 Oct 2014
- Participant, Consultation on the Draft Shrimp Standard for the ASEAN Region, Philippine Council for Agriculture and Fisheries, Department of Agriculture, Diliman, Quezon City, 29 Sep 2014
- Participant, 1<sup>st</sup> Fisheries Biotechnology National Workshop, Oracle Hotel and Residences, Quezon City, 24-25 Sep 2014
- Resource Person, Food and Agriculture Organization of the United Nations' Training for Bivalve Farmers from Roxas City, Panay, Ivisan and Sapián, Capiz on Bivalve Production and Good Management Practices, Gerry Roxas Foundation Resource and Convention Center, Roxas City, Capiz, 13-15 and 20-22 Sep 2014
- Resource Person, Aquaculture Workshop: Technology Updates and Producers' Clinic, Big Daddy Convention Center, Butuan City, Agusan del Norte, 8-9 Sep 2014
- Participant, Responsible Business Forum on Food and Agriculture, Dusit Thani Hotel, Makati City, 14-15 Jul 2014
- Participant, 9<sup>th</sup> Philippine Shrimp Congress, Bacolod Pavillon Resort, Bacolod City, Negros Occidental, 2-4 Jul 2014
- Participant, AquaTech 2014, 5<sup>th</sup> Aquaculture Expo and Convention, Leisure Coast Resort, Dagupan City, Pangasinan, 29-31 May 2014
- Speaker, National Academy of Science and Technology (NAST) Regional Seminar Workshop on Research Upgrading and Performance Evaluation, Smallville 21, Iloilo City, 22-23 May 2014
- Participant, 1<sup>st</sup> National Fisheries Biotech Center (NFBC) Consultative Meeting, National Fisheries Biotechnology Center, National Fisheries Research and Development Institute, Department of Agriculture, Quezon City, 8 May 2014
- Participant, Regional Mangrove Forum - Determining the Status of Brackishwater Fishponds and Identifying Beach Forest Species for Rehabilitation in Western Visayas, Palmas del Mar, Bacolod City, 11-13 Feb 2014
- Resource Person and Panelist, National Symposium on the Integrated Coastal Resource Management Project on
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- Biodiversity Conservation Sub-Projects and Research Studies, Sequoia Hotel, Quezon City, 10-12 Dec 2013
- Participant, Philippine Biodiversity Strategic Action Plan 2020 National Consultation, Traders Hotel, Manila, 21-22 Nov 2013
- Presenter, 23rd Meeting of the Philippine Technical and Administrative Committee (PTAC) for SEAFDEC/AQD, Philippine Social Science Center, Quezon City, 29 Oct 2013
- Moderator, In-House Review and Planning Meeting, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, 19-20 Sep 2013
- Participant, The 2012 Annual Progress and Planning Meeting of the Program under the ASEAN-SEAFDEC Consultative Group Mechanism Funded by the Government of Japan Trust Fund in SEAFDEC/AQD, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, 12-13 Feb 2013
- Participant, Capturing Coral Reef and Related Ecosystem Services (CCRES) Project Technical Workshop, Marine Science Institute, University of the Philippines, Diliman, Quezon City, 27 Nov 2012
- Participant, Regional Research, Policy and Legislative Agenda Workshop, Regional Development Council Conference Hall, National Economic Development Authority, Iloilo City, 12-13 Sep 2012
- Participant, 8<sup>th</sup> Philippine Shrimp Congress, La Planta Hotel, Bacolod City, 9-11 May 2012
- Speaker, Month of the Ocean Marine Biodiversity Lecture Series, Marine Science Institute, UP Diliman, Quezon City, 8 May 2012
- Poster Presenter, National Mangrove Conference: Climate Change Mitigation and Adaptation through Mangrove Conservation and Rehabilitation, MO2 Westown Hotel, Iloilo City, 18-20 Apr 2012
- Plenary Speaker, 4<sup>th</sup> Outstanding Young Scientist, Inc. Regional Symposium and Workshop, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, 13-14 Apr 2012
- Participant, The 2011 Annual Progress and Planning Meeting of the Program under the ASEAN-SEAFDEC Consultative Group Mechanism Funded by the Government of Japan Trust Fund in SEAFDEC/AQD, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, 8-9 Feb 2012
- Participant, Protect Conserve Life, Symposium on the Environment, National Institute of Physics, College of Science Complex, University of the Philippines, Diliman, Quezon City, 30 Jan 2012
- Resource Person, Training/Workshop on Imbao Hatchery, Department of Science and Technology Region XI, Davao City, 9 Nov 2011
- Participant, Fish Kill Forum, National Institute of Physics, College of Science Complex, University of the Philippines, Diliman, Quezon City, 5 Aug 2011
- Participant, The 2011 Semi Annual Progress Meeting on the Program under the ASEAN-SEAFDEC Consultative Group Mechanism Funded by the Government of Japan Trust Fund in SEAFDEC/AQD, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, 3-5 Aug 2011
- Participant, The 2010 Annual Progress Meeting on the Program under the ASEAN-SEAFDEC Consultative Group Mechanism Funded by the Government of Japan Trust Fund in SEAFDEC/AQD, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, 19-21 Jan 2011

**C) Other engagements**

- Judge, UPV Graduate Research Conference, Grand Xing Imperial Hotel, Iloilo City, 23 Nov 2019
- Judge, 14<sup>th</sup> Biology Teachers Association of the Philippines (BIOTA), Inc. Regional Students' Research Competition, Central Philippine University, Iloilo City, 10 Mar 2018
- Commencement Speaker, 69<sup>th</sup> Commencement Exercises, West Visayas State University Lambunao Campus, Lambunao, Iloilo, 28 Mar 2017
- Judge, Association of Philippine Medical Colleges-Student Network (APMC-SN) National Medical Student Research Competition, Iloilo Doctor's College of Medicine, Iloilo City, 14 Nov 2015
- Co-editor, *Resource Enhancement and Sustainable Aquaculture Practices in Southeast Asia: Challenges in Responsible Production of Aquatic Species, Proceedings of the International Workshop on Resource Enhancement and Sustainable Aquaculture Practices in Southeast Asia 2014* (Romana-Eguia, M.R.R., Parado-Estepa, F.D., Salayo, N.D. and M.J.H. Lebata-Ramos, Eds.) 2015. SEAFDEC Aquaculture Department, Tigbauan, Iloilo.
- Technical Lead Person, Lecturer and Practical Instructor, Training Course on Abalone Culture, Brgy. Jolog, Estancia, Iloilo, 21-23 Apr 2015
- Commencement Speaker, Don Eugenio Ladrado Memorial Elementary School, Lambunao, Iloilo, 26 Mar 2015
- Judge, Science Research Congress, Science, Math and Technology Fair, Philippine Science High School -



Western Visayas Campus, Jaro, Iloilo, 28 Jan 2015

Technical Lead Person, Training Course on Biodiversity Conservation Projects for Locally Managed Protected Areas and Principles of Stock Enhancement and Habitat Rehabilitation, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, 28 Aug-4 Sep 2012

Technical Lead Person and Lecturer, International Training Course on Community-Based Resource Enhancement, SEAFDEC Aquaculture Department, Tigbauan, Iloilo, 12-20 Jul 2011

Judge, 6<sup>th</sup> Biology Teachers Association of the Philippines (BIOTA) Regional Biology Student Research Competition, Central Philippine University, Iloilo City, 2 Mar 2011

### **RESEARCH PROJECTS AND FUNDING AGENCIES**

“*Grow-out culture of abalone comparing the use of Gracilariopsis heteroclada and SEAFDEC formulated diet as feeds,*” SEAFDEC Aquaculture Department In-House Grant

“*Comparison of oyster Crassostrea iredalei growth and survival in brackishwater pond and river using pouch,*” SEAFDEC Aquaculture Department In-House Grant

“*Grow out culture of abalone in pipes,*” Ayala Corporation

“*Abalone and seaweed grow-out in Brgy. Jolog, Estancia, Iloilo (Phase 2),*” Ayala Corporation

“*Verifying a combination of IMTA species in a marine pen culture system,*” Japan International Research Center for Agricultural Sciences

“*Site and Resource Assessment of Brgy. Jolog, the Relocation Area for the Displaced Residents of Sicogon Island and Estancia (Phase 1),*” Ayala Corporation

“*Integrated multi-trophic aquaculture using fish, seaweeds, oyster and sandfish in marine pens,*” Japan International Research Center for Agricultural Sciences

“*Refinement of existing oyster grow-out techniques,*” Department of Science and Technology-Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development

“*Grow-out of abalone in small islands and/or community,*” Department of Science and Technology-Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development

“*IMTA trials in a closed culture system using snapper, seaweeds, toothless lucine and sandfish,*” Japan International Research Center for Agricultural Sciences

“*Polyculture trials in a closed culture system using fish, bivalve and sea cucumber,*” Japan International Research Center for Agricultural Sciences

“*Co-culture of sandfish *Holothuria scabra* and black tiger prawn *Penaeus monodon* in the mangroves,*” Japan International Research Center for Agricultural Sciences

“*Stock enhancement of mud crabs *Scylla spp.* in the mangroves in Panay,*” Government of Japan Trust Fund

“*Anodontia philippiana and *Holothuria scabra* as bioremediators in an intensive pond and cage culture systems,*” SEAFDEC Aquaculture Department In-House Grant

“*Fisheries and seed production of the angelwing clam *Pholas orientalis* Gmelin 1790 for the rehabilitation of depleted wild stock,*” Government of Japan Trust Fund

“*Stock enhancement of the abalone *Haliotis asinina* in Sagay Marine Reserve,*” Government of Japan Trust Fund

“*Growth and survival of hatchery-reared giant clams *Tridacna gigas* in ocean nurseries in Negros and Panay Islands,*” Government of Japan Trust Fund

“*Stock enhancement of the mud crabs *Scylla spp.* in the mangroves of Naisud and Bugtong Bato, Ibajay, Aklan, Philippines,*” European Commission, PhD Grant

“*Biology, ecology and seed production of the mangrove mud clam *Anodontia edentula*,*” SEAFDEC Aquaculture Department In-House Grant

“*Bacteria, elemental sulfur and stable carbon isotope ratios in the mangrove mud clam *Anodontia edentula*, (Linne, 1758),*” Department of Science and Technology-Philippine Council for Aquatic and Marine Resources Research and Development, M.Sc. Thesis Grant

### **MEMBERSHIP IN PROFESSIONAL ORGANIZATION**

Member, Integrated Services for the Development of Aquaculture and Fisheries, Inc., since Apr 2018

Associate Member, National Research Council of the Philippines, since Sep 2016

Member, World Oyster Society (Membership No. 0630637), since Jan 2014

Member, World Aquaculture Society, since Feb 2013

Member, World Aquaculture Society (Asia-Pacific Chapter), since Feb 2013

Member, World Aquaculture Society (U.S.A Chapter), Feb 2013-Jan 2014  
Member, National Shellfisheries Association, 20 Sep 1999-2002  
Member, University of the Philippines Visayas-Graduate Students in Fisheries' Association, since Apr 1999  
Member, Philippine Association of Marine Science, 1994-2000  
President, Lambunao Institute of Science and Technology Batch 1988 Alumni Association, 1988-1998, 1998-2008, 2008-2013, 2013-2018, 2018-2023

### **CONSULTANCIES, EVALUATIONS and REVIEWS**

#### Consultant

- Ecosystems Improved for Sustainable Fisheries Project, Pasay City, 1 Apr-15 May 2017
- Adeela Farm, Telisai, Tutong, Brunei Darussalam, 20 Jul-19 Aug 2016
- Southern Philippines Agri-business and Marine and Aquatic School of Technology, Malita, Davao del Sur, 1 May-1 Aug 2010
- Tree Top Adventure, Subic Bay Metropolitan Authority, Subic, Zambales, Feb-Mar 2010
- Green Forum – Western Visayas, Iloilo City, Nov 2000-Mar 2001

#### Evaluator

- WESVAARRDEC 29<sup>th</sup> Regional Symposium on Research and Development Highlights, Iloilo Science and Technology University, La Paz, Iloilo City, Philippines, 13 Dec 2019
- Ateneo De Naga University, Naga City, Philippines, Feb 2019
- Department of Science and Technology, Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development, Oct 2018
- U.P. Visayas, Miag-ao, Iloilo, Philippines, September 2013; Oct 2010

#### Member

- Technical Working Group for Fisheries and Aquaculture under the Technical Committee for Fisheries and Aquaculture for the Development of Philippine National Standards for Agriculture and Fisheries Products, Machineries, and Structures through Special Order No. 442 Series of 2020 signed by Sec. William D. Dar, Bureau of Agriculture and Fisheries Standards, Department of Agriculture, Quezon City, Philippines
- Technical Working Group on the Development of Philippine National Standards for Scallops and the Code of Practice for Live and Raw Bivalve Molluscs through Special Order No. 595 Series of 2017 signed by Sec. Emmanuel F. Piñol, Bureau of Agriculture and Fisheries Standards, Department of Agriculture, Quezon City, Philippines
- Technical Review Panel, The Oscar M. Lopez Center for Climate Change Adaptation and Disaster Risk Management Foundation, Inc., from Nov 2014

#### Reviewer

- *The Philippine Journal of Fisheries*
- *Philippine Journal of Science*
- *Canadian Journal of Fisheries and Aquatic Sciences*
- *African Journal of Marine Science*
- *Aquaculture Research*
- *Science Postprint*
- *Journal of Sea Research*
- *Philippine Journal of Natural Sciences*, the official scholarly publication of the University of the Philippines Visayas
- Department of Science and Technology
- *Banwa*, the multidisciplinary journal of the University of the Philippines Mindanao
- *Journal of Marine Biological Association of the United Kingdom*
- *Coral Reefs*

### **PERSONAL DATA**

Birthdate: 15 June 1971  
Birthplace: Lambunao, Iloilo  
Sex: Female  
Civil Status: Married  
Religion: Roman Catholic