



Curriculum Vitae of

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OFFICE ADDRESS

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PROFESSIONAL LICENSE

- Registered Fisheries Technologist
Reg. No. 0001235 22 Dec. 2010
- Certified PADI Open Water SCUBA
Diver No. 1205AP8005 May 2012

SKILLS/PROFICIENCIES AND PERSONAL TRAITS

- Computer literate
 - Proficient knowledge on Windows Microsoft program (Excel, Word, Power Point Presentation, etc.)
 - Internet Access and E-mails
- Having knowledge on SPSS and PAST statistical program
- Critical thinker; apply scientific method to solve problems
- Excellent organizational skills and attention to details
- Strong interpersonal skills and ability to work in a team-oriented environment
- Multi-tasking; can handle multiple assignments under high pressure with less supervision
- Flexible, good time management skills, and high degree of initiative and resourcefulness

EDUCATION

Doctor of Philosophy in Fisheries (Dissertation Stage)

College of Fisheries and Ocean Sciences, University of the Philippines Visayas, Miag-ao, Iloilo, Philippines

Scholarship: CHED K-12 and DOST-ASTHRD dissertation grant

Master of Science in Aquaculture (April 5, 2013)

School of Graduate Studies, Mindanao State University at Naawan, Naawan, Misamis Oriental, Philippines

Scholarship: DOST-ASTHRDP

Thesis: "Growth Performance of 30-Day Post Hatch and 45-Day Post Hatch *Siganus guttatus* (Bloch, 1787) at Three Stocking Densities in Pond Based Conditions"

Garnered **2nd Place (Best Poster Paper)** - Pond Based Juvenile Production of Siganids: Growth Performance of 30-Day Post Hatch *Siganus guttatus* (Bloch, 1787) at Three Stocking Densities presented during the First MSU System Research and Innovation Summit Program (MSU Annual Research Conference) at Mindanao State University-Main Campus at Marawi City on July 30-31, 2013.

BS Fisheries Major in Aquaculture (April 11, 2005)

School of Fisheries and Technology, Mindanao State University at Naawan, Naawan, Misamis Oriental, Philippines

WORK EXPERIENCE

Assistant Professor III, Davao del Norte State College, 8105 New Visayas, Panabo City, Davao del Norte.

- November 03, 2022-Present

Assistant Professor I, Davao del Norte State College, 8105 New Visayas, Panabo City, Davao del Norte.

- July 01, 2019-November 02, 2022

Instructor I, Davao del Norte State College, 8105 New Visayas, Panabo City, Davao del Norte.

- July 02, 2013-June 30, 2019

Undergraduate courses handled: Aquaculture, Aquaculture Engineering, General Biology, General Botany, General Zoology, Fish Genetics and Breeding, Fisheries Extension, Fish Nutrition, Hatchery Management, Research Design and Methodologies, Fish Health Management

Graduate courses handled: Ichthyology; Ecology and Biology of Cultivable Species, Ecology of Marine Communities

Description of duties: Holding with instruction (teaches subjects of specialization), embarks on fisheries researches and development projects which geared towards poverty alleviation, livelihood generation, food security, and performs other duties that maybe assigned from time to time.

Community Organizer, Philippine National Aquasilviculture Program (PNAP), DA-BFAR/CHED Project in MSU at Naawan, Naawan, Mis. Or.

- July 2012-June 30, 2013

Description of duties: Responsible for training and dissemination of information, promote environmental awareness, values formation, team building, gender awareness and related technical aspects of the project.

Research Assistant, *Climate Change Vulnerability of Coastal Fisheries in Mindanao*, Project 6 of the DOST- PCAMRD funded ReSILIENT SEAS (formerly ICE-CREAM), Program for Climate Change in MSU at Naawan, Naawan, Mis. Or.

- December 2011-April 2012

Research Assistant, *Macrobrachium rosenbergii* (Hatchery and Grow-out) - DOST-PCAMRD funded Project in MSU at Naawan, Naawan, Mis. Or.

- March 2008-November 2009

Description of duties: Carry out collection of relevant data, perform data processing and analyses, and coordinate the various activities to be conducted under the project such as trainings and workshops.

OTHER EXPERIENCES AT DNSC

Adviser, Society of Fisheries Students (**Office Special Order No.:154-A s2021**)

Member, Review Committee: Reconstitution of the NBC-461 Evaluation Committees (**Office Special Memo No.:154s2021**)

Web Content Contributor: IAAS (BSFAS), Constitution of the College Web Team (**Office Special Memo No.:149s2021**)

Web Content Contributor: IAdS (MFM), Constitution of the College Web Team (**Office Special Memo No.:149s2021**)

Member: Self-Evaluation of Programs based on CHED Policies, Standards, and Guidelines, Taskforces for the Attainment of Certificate of Program Compliance (COPC) From CHED for the Programs under the Institute of Advanced Studies (IAds) (**Office Special Memo No.:141s2021**)

Chair: Area V, Master in Fisheries Management majors in Aquaculture Technology and Fish Processing (**Office Special Memo No.:110s2021**)

Chair: Area VI, Master in Fisheries Management majors in Aquaculture Technology and Fish Processing, Accreditation Taskforces for various Programs (**Office Special Memo No.:110s2021**)

Member: Learning and Development Committee for Faculty Representing the Institute of Aquatic and Applied Sciences (IAAS) (**Office Special Memo No.:108s2021**)

Member: Taskforce for the Curriculum Development and Revision for the MFM-Fish Processing and Aquaculture Program (**Office Special Memo No.:079s2021**)

Member: Area II -Faculty, Accreditation Taskforce for the Curriculum Development and Revision for the MFM-Fish Processing and Aquaculture Program and MS Marine Biodiversity Programs (**Office Special Memo No.:110s2021**)

Project Member, DNSC Freshwater Aquaculture Technology Enterprise (DNSC-FATE) (**Office Special Order No.:092s2021**)

Project Member: Assessment of stationary liftnets in Panabo City: Study 1. Catch composition of stationary Liftnets in Panabo City Davao del Norte (**Office Special Order No.:067s2021**)

Program Chair, BS Fisheries/Master in Fisheries Management, Institute of Aquatic and Applied Sciences (**Office Memo No.:61s2016**)

Extension Coordinator, Research, Extension and Production Office (**Office Memo No.:053 s2014; 044s2015; 31s2016**)

Internal Quality Auditor, ISO 9001:2008-QMS (**Office Memo No.:024s2017**)

IAAS Chairperson, College QCE Committee (**Office Memo No.:059s2016**)

Overall Area Coordinator, AACUP Accreditation, Area VI

Team Leader, AACUP Accreditation, Area VI, BSFi Task Force

Faculty Representative, Committee for the Search of Two Private Sector Representatives in the College's Board of Trustees (**S.O. no.: 46 s2016**)

Member, Instructional Materials Committee (**Office memo. no.: 62s2015; no.: 33s2016**)

Member, Performance Guidelines Committee, 2015 Performance-Based Bonus-Performance Management Group (**S.O. no.: 31 s2015**)

Member, Delivery Units Evaluation Committee (Research, Extension and Production Office), 2015 Performance-Based Bonus-Performance Management Group (**S.O. no.: 31 s2015**)

Secretariat, Campus Planning Committee (**Office memo. no.: 84 s2015**)

Reviewer: TESDA NC II Assessment for Aquaculture (Fishpond Layouting; Finfish and Shrimp Culture) on December 1-4, 2015 (**IFFT Office Memo No. 36**)

Coach: TESDA NC II Assessment for Aquaculture on December 1-4, 2015 at IFFT Processing Plant, New Visayas, Panabo City.

IFFT Task Force Team Leader: Area VI of BS Fisheries of the Accrediting Agency of Chartered Colleges and Universities in the Philippines (AACUP) Accreditation Survey Visit conducted to Davao del Norte State College on July 13-17, 2015.

Project Member, Hydro-Biological Profile in the Lying-in Hatchery Areas of Davao del Norte (**REP SO no.:16 s2013**)

Project Staff, Pangtawid Project for the Rehabilitation of Davao Oriental and Compostela Valley Brought About by Typhoon Pablo Through Seaweed Farming (**REP SO no.:4 s2013**)

Study Member, Capability Building and Conservation Advocacy in Coastal Communities of Panabo City: Integration of Philippine National Aquasilviculture Program (PNAP) and Panabo Pride Campaign (**REP SO no.:11 s2013**)

Project Member, Community-Based Mangrove Conservation and Aquasilviculture: A Fishery Livelihood and Resource Conservation Project (Project 1 and 2) under Component 3: Hatchery (**REP SO no.:09 s2013**)

Member, Quality of Professional Exposure, Research and Creative Work

EXPERT SERVICES RENDERED AS COORDINATOR, EVALUATOR, RESOURCE PERSON, GUEST SPEAKER IN CONFERENCES, WORKSHOPS AND OR TRAINING COURSES

Resource Person: Licensure Examination for Fisheries Professional Review Program 2021 of the Institute of Aquatic and Applied Sciences, Davao del Norte State College, New Visayas, Panabo City on June 19, 20 and July 10, 2021.

Resource Speaker: Hands-on Training on Seaweed Production conducted by DNSC and CHED held at Brgy. Cabuaya, Mati City, Davao Oriental on June 23-24, 2017.

Resource Speaker: Hands-on Training on Seaweed Production conducted by DNSC and CHED held at Brgy. Luban, Mati City, Davao Oriental on June 21-22, 2017.

Presenter: Growth Performance of 30-Day Post Hatch and 45 Day Post hatch *Siganus guttatus* (Bloch, 1787) at Three Stocking Density held at Davao del Norte State College, New Visayas Panabo City on November 22-24, 2016.

Coordinator: Training-Workshop on Fish Biology and Fisheries Using FishBase, SeaLifeBase and the Sea Around Us Online Databases on 1-3 March 2016 conducted by DNSC, Sea Around Us, FIN and BFAR XI at Davao del Norte State College, New Visayas, Panabo City

Resource Speaker: Research and Extension Proposal Writeshop conducted by Compostela Valley State College held at Coco's Hotel, Compostela, Compostela Valley on February 18-19, 2016.

Training Facilitator: Training Course on Application of Geographic information System in Aquaculture Research conducted by DNSC and DOST-PCAARRD held at DNSC Audio-Visual Room on August 26-28, 2015.

Training Coordinator: Constituency Building and Leadership Development Training conducted by DNSC and DOST-PCAARRD held at Kinablangan, Baganga, Davao Oriental on April 13-15, 2015.

Resource Speaker: Constituency Building and Leadership Development Training for United Poo Islanders Livelihood Association conducted by DNSC and DOST-PCAARRD held at Poo, Kinablangan, Baganga, Davao Oriental on April 15, 2015

Resource Speaker: Constituency Building and Leadership Development Training for United Muslim and Christian Seaweed Growers Association conducted by DNSC and DOST-PCAARRD held at Poo, Kinablangan, Baganga, Davao Oriental on April 14, 2015.

Resource Speaker: Constituency Building and Leadership Development Training for Kinablangan Seaweed Growers Association conducted by DNSC and DOST-PCAARRD held at Poo, Kinablangan, Baganga, Davao Oriental on April 13, 2015.

Resource Speaker: Leadership and Community Development Training for Fisherfolk conducted by DNSC and DOST-PCAARRD held at Barangay Bongabong, Pantukan, Compostella Valley on December 12, 2014.

Resource Speaker: Leadership and Community Development Training for Fisherfolk conducted by DNSC and DOST-PCAARRD held at Barangay Hall of Cuambog, Mabini, Compostella Valley on December 11, 2014.

Resource Speaker: Hands-on Training on Seaweed Production conducted by DNSC and DOST-PCAARRD held at Barangay Hall of Sibahay, Boston, Davao Oriental on November 13-14, 2014.

Evaluator: National Network on Women in Fisheries in the Philippines (WINFISH) 7th National Conference on Gender and Fisheries conducted by WINFISH and BFAR II held at Grand Regal Hotel, Davao City on September 15-17, 2014.

Resource Speaker: Hands-on Training on Seaweed Production conducted by DNSC and DOST-PCAARRD held at Barangay San Victor, Baganga, Davao Oriental on November 4, 2014.

Resource Speaker: Hands-on Training on Seaweed Production conducted by DNSC and DOST-PCAARRD held at Barangay Hall of Bongabong, Pantukan, Compostella Valley on April 28-29, 2014.

Resource Speaker: Hands-on Training on Seaweed Production conducted by DNSC and DOST-PCAARRD held at Poo, Brgy. Kinablangan, Baganga, Davao Oriental on November 19-21, 2013

Resource Speaker: Training-Workshop on Aquasilviculture conducted by DNSC held at Purok Cogon 1, Barangay J.P. Laurel, Panabo City on November 14-15, 2013

Resource Speaker: Tilapia Hatchery in Tanks, Ponds and Hapa Nets during the Fish Conservation and Skills Competition of the Institute of Fisheries and Technology on October 24, 2013 at Davao del Norte State College.

Coordinator: Fish Conservation and Skills Competition of the Institute of Fisheries and Technology on October 25, 2013 at Davao del Norte State College.

RESEARCH AND DEVELOPMENT EXPERIENCE AND AWARDS

2nd Place (Best Development Paper) – Pantawid Project: Rehabilitation of Typhoon Pablo-Stricken Areas in Davao Oriental and Compostella Valley Through Seaweed Farming by CTB Ranara, CS Bucane, **MB Andam**, LT Esprella, GC Guanzon, BT Rodriguez, FN Salac, JO Salinas, KD Solis, PM Doyog, MS Erespe, FJ Montera, FE Benigno, EA Dignos, JT Enumerables, MB Labor, and NV Gloria presented during the 28th SMARRDEC Regional Symposium on Research and Development Highlights held on August 19, 2015 at the Provincial Capitol of Compostella Valley Province, Nabunturan, Compostella Valley.

1st Place (Best Extension Paper) – Pantawid Project: Rehabilitation of Typhoon Pablo-Stricken Areas in Davao Oriental and Compostella Valley Through Seaweed Farming by CTB Ranara, CS Bucane, **MB Andam**, LT Esprella, GC Guanzon, BT Rodriguez, FN Salac, JO Salinas, KD Solis, PM Doyog, MS Erespe, FJ Montera, FE Benigno, EA Dignos, JT Enumerables, MB Labor, and NV Gloria presented during the 2015 DNSC Agency In-house Review held on August 14, 2015 the Audio Visual Room, DNSC, New Visayas, Panabo City.

2nd Place (Best Poster Paper) - Pond Based Juvenile Production of Siganids: Growth Performance of 30 Day Post Hatch *Siganus guttatus*

(Bloch, 1787) at Three Stocking Densities presented during the First MSU System Research and Innovation Summit Program (MSU Annual Research Conference) at Mindanao State University-Main Campus at Marawi City on July 30-31, 2013.

3rd Place (Best Poster Paper) - Simulated Transport of *Siganus guttatus* (Bloch) Juveniles at Different Packing Densities presented during the 16th Annual Zonal R&D Symposium, S&T Planning Workshop of PCAMRD Zonal Center for Northern Mindanao held at MSU-IIT Mini-Theater, Tibanga, Iligan City on December 7-8, 2011.

1st Place (Best Poster Paper) - Ammonia Excretion of *Siganus guttatus* (Bloch) in Aerated and Unaerated Water Condition presented during the 15th Annual RD&E Symposium, S&T Planning and Roadmapping Workshop of PCAMRD Zonal Center for Northern Mindanao on November 10- 12, 2010 at San Lorenzo Ruiz de Manila Pastoral Center, Ampayon, Butuan City.

1st Place (Best Development Paper) - Establishment of a Model Farm for Freshwater Prawn (Ulang) Culture in Naawan, Misamis Oriental by Henry E. Dejarme, Dan M. Arriesgado, Asuncion B. de Guzman, **Michael B. Andam** and Eddie Eduria presented during the 2010 Annual Agency In-House R & D Review held at the Audio Visual Room, Fisheries Technology Resource Center, MSU-Naawan Campus, Naawan, Misamis Oriental.

3rd Place (Best Development Paper) - Establishment of a Model Farm for Freshwater Prawn (Ulang) Culture in Naawan, Misamis Oriental by Henry E. Dejarme, Asuncion B. de Guzman, **Michael B. Andam** and Eddie Eduria presented during 14th Annual Zonal RD & E Symposium Cum Industry Forum and Technology Roadshow and S & T Planning Workshop of the PCAMRD zonal center IV held on November 18-20, 2009 at Middletown Apartelle, Carmen Cagayan de Oro City.

SCHOLARSHIP/FELLOWSHIP GRANTS/RECOGNITION

Graduate Education Scholarships (Local) in the CHED K to 12 Transition Program for the First Academic Term intake of Academic Year 2017-2018

Accelerated Science and Technology Human Resources Development Program Scholarship of the Department of Science and Technology (DOST)-Philippine Council for Aquatic and Marine Research and Development (PCAMRD) for Master of Science in Aquaculture at the Mindanao State University at Naawan, Naawan, Misamis Oriental.

Certificate of Recognition awarded by the Mindanao State University at Naawan on December 4, 2010 for passing the Fisheries Technologist Licensure Examination given by the Professional Regulation Commission in October 2010

PUBLICATIONS

Andam, M.B., Lumasag, G.J., Gorospe, J.N., and Gorospe, J.G. 2016. Pond Based Juvenile Production of Siganids: Growth Performance of 30-Day Post Hatch *Siganus guttatus* (Bloch, 1787) at Three Stocking Densities. *Journal of Environment and Aquatic Resources* 4 (1): 75-93.

Abreo, N. A. S., Macusi, E. D., Cuenca, G. C., Ranara, C. T. B., **Andam, M.B.**, Cardona, L. T., & Arabejo, G. F. P. (2015). Nutrient enrichment, sedimentation, heavy metals and plastic pollution in the marine environment and its implications on Philippine marine biodiversity: A

Review. *IAMURE International Journal of Ecology and Conservation*, 15(1), 111-167.

Cuenca, G. C., Macusi, E. D., Abreo, N. A. S., Ranara, C. T. B., **Andam, M. B.**, Cardona, L. T., & Guanzon, G. C. (2015). Mangrove ecosystems and associated fauna with special reference to mangrove crabs in the Philippines: A Review. *IAMURE International Journal of Ecology and Conservation*, 15(1), 1-1.

Macusi, E. D., Abreo, N. A. S., Cuenca, G. C., Ranara, C. T. B., Cardona, L. T., **Andam, M. B.**, Guanzon, G. C., Katikiro, R. E., & Deepananda, K. H. M. A. (2015). The potential impacts of climate change on freshwater fish, fish culture and fishing communities. *Journal of Nature Studies*, 14(2), 14-31.

TRAININGS/SEMINARS/WEBINARS/WORKSHOPS/REVIEW/ CONFERENCE/SCIENTIFIC FORA ATTENDED

Participant: 2022 Ornamental Fish Summit conducted by the Department of Agriculture - National Fisheries Research Development Institute on September 21, 2022 via Zoom and Facebook live.

Participant: Capability Training Series for Faculty: Digital Technologies for Education conducted by the Davao del Norte State College on August 19, 2022 1:00 -5:00 PM held via Zoom Conference App.

Participant: IMFO Webinar series entitled Istorya Lawod: Stories of our Oceans conducted by University of the Philippines Visayas – College of Fisheries and Ocean Science -Institute of Marine Fisheries and Oceanology on July 13,2022 at the UPV Pidlaon Hall and online via Zoom and Facebook Live

Participant: Science Policy and Information Forum on Marine Ecosystems and Policies conducted by National Academy of Science and Technology, Philippines on June 24, 2022, 9 AM via Zoom.

Participant: Training on Fish DNA Barcoding conducted by the Coral Reef Resiliency and Ecology Studies (CRESST) Laboratory of the University of the Philippines Mindanao and Davao del Norte State College at the Ichthyology Laboratory of the Institute of Applied and Aquatic Sciences on April 26-29, 2022.

Participant: Training on Specimen Photography (Fish and Mollusks) conducted by the Coral Reef Resiliency and Ecology Studies (CRESST) Laboratory of the University of the Philippines Mindanao and Davao del Norte State College at the Ichthyology Laboratory of the Institute of Applied and Aquatic Sciences on April 25, 2022.

Participant: Webinar on Ecosystems Approach to Fisheries Management (EAFM) conducted by University of the Philippines Visayas – College of Fisheries and Ocean Sciences on January 12,2022 via zoom

Participant: Webinar on ISO 9001: 2015 Quality Management System (QMS) Awareness Course conducted by the ASC Management Systems Consultancy on November 11, 2021

Participant: Training on Scientific Writing and Publication conducted by the Davao del Norte State College on October 6-7, 2021, 8:00 am to 5: 00 pm (16 hours) held via zoom application.

Participant: Research Integrity and the Issues of Authorship conducted by the University of the Philippines Manila Committee on Research Integrity on September 27, 2021 via zoom webinar platform.

Participant: Webinar on Marine Biodiversity in Verde Island Passage (VIP) conducted by the Department of Science and Technology (DOST)-Philippine Council For Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD) on August 19, 2021, from 9:00 am to 11:00 am via Facebook Live.

Participant: Webinar on Fish Vaccination: Theory, Innovations and Application conducted virtually by the Fish Health Section Asian Fisheries Society on August 4, 2021 in Bangkok, Thailand.

Participant: Online Training on Sampling and Preparation of *Penaeus vannamei* for Different Laboratory Analyses, Part II: Microbiological and Molecular Techniques for Pathogen Detection conducted by University of the Philippines Visayas – College of Fisheries and Ocean Science and University of Antique August 3, 2021 via zoom.

Participant: Webinar on Giant Clams conducted by the Department of Science and Technology (DOST)-Philippine Council For Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD) on May 11, 2021, from 9:00 am to 11:00 am via Facebook Live.

Participant: The Division of Biological Sciences API Webinar Series 4 “The Biology of Fisheries: what danggit and tuloy are telling us” conducted by the College of Arts and Sciences University of the Philippines Visayas Miagao, Iloilo on April 15, 2021.

Participant: NRCP Membership Promotion Caravan thru NSTEP Mindanao Cluster I conducted by the Department of Science and Technology XI National Research Council of the Philippines on March 9, 2021 via zoom.

Participant: Webinar on Assured and Ensured: The Role of Quality Assurance in Institutional Success conducted by the Davao del Norte State College on February 18, 2021 via Zoom Cloud Meeting Application.

Participant: Webinar on the Application of Advanced Technologies in Fisheries delivered by Dr. Gay Jane P. Perez during the 4th APPP Seminar conducted by conducted by Asosasyon ng mga Propesyonal sa Pangisdaan ng Pilipinas, Inc. and College of Fisheries and Ocean Science, University of the Philippines Visayas on November 4, 2020.

Participant: Webinar on the Genetics and Genomics Technologies for Sustainable Aquaculture delivered by Dr. Maria Rowena R. Equia during the 4th APPP Seminar conducted by conducted by Asosasyon ng mga Propesyonal sa Pangisdaan ng Pilipinas, Inc. and College of Fisheries and Ocean Science, University of the Philippines Visayas on October 21, 2020.

Participant: Webinar on Philippine Invertebrate Fisheries conducted by Center for Research in Environmental Management and Eco-governance and Philippine Association of Marine Science during the Caraga State University SciTechn4Dev Forum on October 2, 2020.

Participant: Webinar on Food Security Challenges and Opportunities Under the New Normal conducted by the Department of Science and Technology-Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development on October 2, 2020 from 2:00 to 4: 00 pm Philippine Time.

Participant: 9th Webinar of the HECBOL Project entitled “Ensuring High-Quality Assessment in Flexible Learning” conducted by the Commission on Higher Education in the Context of Bangsamoro Organic Law Project on July 22, 2020 at 1: 00 PM (2 hours) via Facebook live and YouTube.

Participant: CHED XI Webinar No. 7 with topics on “Embedding Pedagogy and Blending EdTech Solutions in the Learning Design of a Virtual Classroom: A Portfolio of Good Practices” by Dr. Carlo Domingo Casinto and the “ The Use of Engaging Strategies and Apps in Blending Learning: An insight into an Experience in New Zealand” by Dr. Ma. Chanda Gado-Antoque conducted by the Commission on Higher Education – RO XI on July 16, 2020 via Zoom, YouTube and Facebook Livestreaming.

Participant: 8th Webinar of the HECBOL Project entitled “Faculty Performance Evaluation in a Flexible Class Environment” conducted by the Commission on Higher Education in the Context of Bangsamoro Organic Law Project on July 15, 2020 at 1: 00 PM (2 hours) via Facebook live and YouTube.

Participant: Webinar on Science Policy and Information Forum on Fish Security Amidst COVID-19 Pandemic conducted by the National Academy of Science and Technology, Philippines on July 15, 2020 from 9:30 AM to 12: 00 noon Philippine Time.

Participant: 2-Hour Webinar on Offline Resources for Remote Teaching and Learning conducted by the Department of Information and Communication Technology in partnership with University of The Philippines Open University on July 14, 2020 via Zoom us Platform.

Participant: Webinar Series on Instructional Designing and Course Pack Development for Flexible Learning, Topic 6: Integrating Technology for Flexible Learning conducted by the University of Southeastern Philippines in cooperation with Commission on Higher Education – RO XI, and State Universities and Colleges (SUCs), Local Universities and Colleges (LUCs), and Private Higher education Institutions (PHEIs) in Davao Region on July 9, 2020 from 2:00 PM to 5: 00 PM via Zoom and Facebook Live.

Participant: Webinar Series on Instructional Designing and Course Pack Development for Flexible Learning, Topic 5: Writing Course Packs for Flexible Learning conducted by the University of Southeastern Philippines in cooperation with Commission on Higher Education – RO XI, and State Universities and Colleges (SUCs), Local Universities and Colleges (LUCs), and Private Higher education Institutions (PHEIs) in Davao Region on July 9, 2020 from 9:00 AM to 12: 00 NN via Zoom and Facebook Live.

Participant: Webinar Series on Instructional Designing and Course Pack Development for Flexible Learning, Topic 3: Assessing Student Learning in Flexible Modality conducted by the University of Southeastern Philippines in cooperation with Commission on Higher Education – RO XI, and State Universities and Colleges (SUCs), Local Universities and Colleges (LUCs), and Private Higher education Institutions (PHEIs) in Davao Region on July 8, 2020 from 9:00 AM to 12: 00 NN via Zoom and Facebook Live.

Participant: 2-Hour Webinar on Instructional Design in Remote Teaching and Learning conducted by the Department of Information and Communication Technology in partnership with University of The Philippines Open University on July 2, 2020 via Zoom us Platform.

Participant: Webinar on Ocean Acidification conducted by the Philippine Association of Marine Science on June 26, 2020.

Participant: CHED XI Webinar on Doing Extension Services Amidst COVID-19 Pandemic conducted by the Commission on Higher Education – RO XI on June 25, 2020 via Zoom and Facebook Livestreaming.

Participant: Training on the Application of Molecular Techniques on Fish Larval Biodiversity in Inland Aquatic Ecosystems for State Universities and Colleges (SUC's) conducted by Institute of Aquaculture, College of Fisheries and Ocean Science, University of the Philippines Visayas on February 7-9-, 2020.

Participant: 12th Asian Fisheries and Aquaculture Forum (12th AFAF) conducted by Asian Fisheries Society and University of the Philippines Visayas on April 8-12, 2019 at the Iloilo Convention Center, Megaworld Boulevard, Manduriao, Iloilo City.

Participant: 2nd Bangus Congress conducted by Philippine Milkfish Industry Group on September 27-28, 2018 at the Iloilo Convention Center, Megaworld Boulevard, Manduriao, Iloilo City.

Participant: Ecosystem Approach to Fisheries Management conducted by Asosasyon ng mga Propesyonal sa Pangisdaan ng Pilipinas, Inc. on August 23-24, 2018 at the Auditorium, UP Visayas, Iloilo City

Participant: Developments in Post Harvest Technologies conducted by Asosasyon ng mga Propesyonal sa Pangisdaan ng Pilipinas, Inc. on August 23-24, 2018 at the Auditorium, UP Visayas, Iloilo City.

Participant: Gender Development in the Fisheries Industry conducted by Asosasyon ng mga Propesyonal sa Pangisdaan ng Pilipinas, Inc. on August 23-24, 2018 at the Auditorium, UP Visayas, Iloilo City.

Participant: Team Enhancement Activity conducted by Davao del Norte State College on July 26-27, 2018 at Cavanico IL Mare, Babak, Island Garden City of Samal, Davao del Norte.

Participant: Introduction to Enzyme Assays conducted by University of the Philippines Visayas National Institute of Molecular Biology and Biotechnology on April 17-19, 2018 at UPV-NIMBB Laboratories, Building , Wet and Dry Laboratories, College of Fisheries and Ocean Science, University of the Philippines Visayas, Miag-ao, Iloilo, Philippines.

Participant: Basic Molecular Biology Techniques: A hands-on Training conducted by University of the Philippines Visayas National Institute of Molecular Biology and Biotechnology on March 13-15, 2018 at UPV-NIMBB Laboratories, Building , Wet and Dry Laboratories, College of Fisheries and Ocean Science, University of the Philippines Visayas, Miag-ao, Iloilo, Philippines.

Participant: Professorial Lecture on Probiotic Bacteria from Tilapia Green Water and Bio floc Culture Systems: An Eco-Friendly Approach in the Philippine Shrimp Aquaculture by Dr. Rex Ferdinand M. Traifalgar on March 7, 2018 at Audio Visual Hall, Pidlaon Bldg., College of Fisheries and Ocean Science, University of the Philippines Visayas, Miag-ao, Iloilo, Philippines.

Participant: CFOS Strategic Planning Workshop conducted by College of Fisheries and Ocean Sciences, University of the Philippines Visayas on January 17-18, 2018 at UPV, Iloilo City, Philippines.

Participant: VIIRS Night Light Boat Detection as a Tool for Combatting Illegal Fishing and Protecting Marine Biodiversity conducted by Institute of Fisheries Policy and Development Studies, College of Fisheries and Ocean Science, University of the Philippines Visayas, Miag-ao, Iloilo on September 18, 2017 at FC Conference Room, Umali Hall, CFOS, UP Visayas

Participant: FishLink 2017 conducted by UP Aquaculture Society, Inc. on September 6-8,, 2017 at the Iloilo Grand Hotel, Iloilo City.

Participant: Seminar-Workshop on Instructional Materials conducted by Davao del Norte State College on July 17-21, 2017 at Audio Visual Room, Davao del Norte State College, New Visayas, Panabo City.

Participant: ISO 9001:2008 Internal Quality Audit Awareness-Writeshop conducted by ASC Management Systems Consultancy on February 1-2, 2017 at Audio Visual Room, Davao del Norte State College, New Visayas, Panabo City.

Participant: Good Manufacturing Practices Seminar for Food Processing Industry on November 08, 2016 conducted by the Davao Food Safety Team, Inc. (DFST, Inc) under the Department of Science and Technology XI (DOST XI) Davao del Norte State College, New Visayas, Panabo City, Davao del Norte.

Participant: Annual Planning & Budgeting Workshop 2017 on October 18-20, 2016 at Audio Visual Room, Davao del Norte State College, New Visayas, Panabo City.

Participant: Complementary Food Production Facility Strategic Planning Workshop conducted by DOST XI and DNSC on August 31 to October 13, 2016 at the Davao del Norte State College, New Visayas, Panabo City.

Participant: 2016 AFNR Extension Policy Symposium on October 12-13, 2016 at Tagaytay International Convention Center, Tagaytay City.

Participant: 29th SMARRDEC Regional Symposium on Research and Development Highlights on August 22, 2016 at the Bulwagan ng Lalawigan, Provincial Capitol of Davao del Norte, Mankilam, Tagum City, Davao del Norte.

Participant: Trailblazers in Science: Lecture Series by National Scientists conducted by the National Academy of Science and Technology, Philippines on August 16, 2016 at Grand Menseng Hotel, Davao City.

Participant: OBE Syllabus Harmonization conducted by the Council of Deans for Agriculture, Fisheries and Forestry Education in Region XI on August 11-12, 2016 at USEP Hostel, Obrero, Davao City.

Participant: Training on Organizational Leadership and Management conducted by SMAARRDEC on May 4-6, 2016 at Royal Mandaya Hotel, Davao City

Coordinator: Training-Workshop on Fish Biology and Fisheries Using FishBase, SeaLifeBase and the Sea Around Us Online Databases on 1-3 March 2016 conducted by DNSC, Sea Around Us, FIN and BFAR XI at Davao del Norte State College, New Visayas, Panabo City

Participant: Training Workshop on Assessment of Gleaning Fisheries on 17-18 March 2016 at Davao Oriental State College for Science and Technology-Research Center.

Participant: Ratification of National Extension Agenda and Program and Operationalizing Agriculture and Fisheries Extension Strategic Plan 2017-2022 conducted by Agricultural Training Institute on February 23-24, 2016 at Big 8 Corporate Hotel, National Highway, Tagum City, Davao del Norte.

Participant: Legal Symposium on Violence against Women and their Children (VAWC) Law under Republic Act No. 9262 and Anti-Photo and Voyeurism Act of 2009 under Republic Act No. 9995 conducted by the Provincial Legal Office, Provincial Government of Davao del Norte on December 16, 2015 at DNSC, New Visayas, Panabo City.

Participant: CHED Research Proposal Writeshop at Davao del Norte State College on December 15, 2015 at DNSC, New Visayas, Panabo City.

Participant: 2nd National Extension Conference Conducted by Commission on Higher Education on December 8-9, 2015 at Bohol Tropics Resort, Tagbilaran City.

Training Facilitator: Training Course on Application of Geographic Information System in Aquaculture Research Conducted by DOST-PCAARRD on August 26-28, 2015 at DNSC, New Visayas, Panabo City.

Participant: Typology-based Quality Assurance Orientation and Seminar Workshop on Outcomes-based Education Syllabi Making on June 1-2, 2015 at DNSC, New Visayas, Panabo City.

Participant: Training on Agriculture and Fisheries Extension Strategic Planning conducted by Agricultural Training Institute on April 28-May 1, 2015 at Big 8 Corporate Hotel, National Highway, Tagum City, Davao del Norte.

Participant: Annual Planning Workshop 2015 on April 13-15, 2015 at Audio Visual Room, Davao del Norte State College, New Visayas, Panabo City, Davao del Norte, Philippines.

Participant: Training on Ecosystem Approach to Fisheries Management (EAFM) on January 27-30, 2015 at PCAARRD, Los Baños, Laguna.

Participant: Integrating Gender and Development in Agriculture, Aquatic and Natural Resources Science and Technology Programs and Projects on December 3-5, 2014 at the Elvira O. Tan Hall, PCAARRD, Los Baños, Laguna.

Participant: Orientation on ISO 9001: 2008 on November 26, 2014 at Davao del Norte State College-Audio Visual Room, New Visayas, Panabo City.

Participant: Skills Upgrading on IEC Materials Preparation using Adobe InDesign and Adobe Photoshop with Basic Photography Training Workshop on November 5-7, 2014 at the University of Southeastern Philippines (USEP) RDE Conference Room, Iñigo St., Bo. Obrero, Davao City.

Participant: Consultative Meeting on the SUC Extension Agenda and Organizing of the Region SUC/LUC Extension Network (DReSUCEN) on September 17, 2014 at the Ecoland Suites, Davao City.

Participant: 2014 International Seaweed Congress on November 21, 2014 at the Cebu City Waterfront Hotel and Casino, Cebu City.

Evaluator: National Network on Women in Fisheries in the Philippines (WINFISH) 7th National Conference on Gender and Fisheries on September 15-17, 2014 at the Grand Regal Hotel, Davao City.

Participant: Training Course on Feed Formulation and Feed Evaluation for Aquaculture Species conducted by PCAARRD-DOST and SEAFDEC-AQD on September 1-5, 2014 at the Training and Information Division Conference Room, SEAFDEC-AQD, Tigbauan, Iloilo City.

Participant: Training-Workshop on Results-Based Monitoring and Evaluation of R&D Programs/Projects on August 18-22, 2014 at the Bulwagang Panday karunungan, PCAARRD, Los Baños, Laguna.

Participant : Philippine National Aquasilviculture Program (PNAP) Training of Fisherfolk on Constituency Building and Leadership Development (1st Batch Davao del Norte and Davao del Sur) conducted by the DA/BFAR-RFTC, Panabo City, Davao del Norte in partnership with DA/BFAR-RFO XI, Davao City; DA/BFAR-PFO, Davao del Norte; DA/BFAR-PFO, Davao del Sur; LGUs; Fisherfolk Beneficiaries on August 12-14, 2014 at DA/BFAR-RFTC New Training Hall, Coastal Road, Brgy. Cagangohan, Panabo City.

Paper Presenter: Agency In-House Review 2014 held at Davao del Norte State College-Audio Visual Room, New Visayas, Panabo City on July 31, 2014.

Research Title: Hydro-biological Profile in the Lying-in hatchery Areas of Davao del Norte

Participant: Google Apps for Education and End-User Training on June 25, 2014 at Davao del Norte State College, New Visayas, Panabo City, Davao del Norte.

Participant: International Workshop on Resource Enhancement and Sustainable Aquaculture Practices in Southeast Asia-Challenges in Responsible Production of Aquatic Species conducted by the SEAFDEC-AQD & Government of Japan-Trust Fund held at Punta Villa Resort, Iloilo City on March 5-7, 2014.

Participant: Gender and Development Seminar: Spirituality and Reflections in the Context of Gender Roles conducted by the Davao del Norte State College on December 20, 2013.

Participant: Capacity Building Workshop in Utilizing LGU Reports under Full Disclosure Policy (FDP) conducted by the Social Watch Philippines and Department of Interior and Local Government held at Park Inn by Radisson, Davao City on December 2-4, 2013.

Paper Presenter: Agency In-House Review 2013 held at Davao del Norte State College-Library, New Visayas, Panabo City on August 14, 2013.

Research Proposal Title: Hydro-biological Profile in the Lying-in hatchery Areas of Davao del Norte

Participant: Training of Project Beneficiaries (PBs) on Mangrove Rehabilitation and Aquasilviculture in support of the Philippine National Aquasilviculture Program (PNAP) under the BFAR-SUC collaboration for the Province of Lanao del Norte and Misamis Oriental conducted by the DA/BFAR-RFTC, Panabo City, Davao del Norte in collaboration with the DA/BFAR-RFO 10; SUCs and other concerned Agencies/Organizations held at BFAR-RFTC, Training Hall, Panabo City, Davao del Norte on December 11-14, 2012.

Participant: Training on Constituency Building and Leadership Development held at the National Brackishwater Aquasilviculture Technology Research Center, Pagbilao, Quezon from November 20-

24, 2012.

Participant: Training on Resource Protection, Rehabilitation and Aquasilviculture held at the National Brackishwater Aquasilviculture Technology Research Center, Pagbilao, Quezon from July 24-August 1, 2012.

Participant: Training-Orientation on Community Based-Hatchery for SUC Coordinators, Technicians and Refresher Course for RFTCs/PFOs for the "Philippine National Aquasilviculture Program held at Guiuan, Marine Fisheries Development Center Guiuan, Eastern Samar on July 19-21, 2012.

Participant: Training on SCUBA Diving (PADI-Open Water Scuba Diver) held at Mantangale Alibuag Dive Resort, Mantangale, Balingoan, Misamis Oriental.

Poster Presenter: 16th Annual Zonal R&D Symposium, S&T Planning Workshop of PCAMRD Zonal Center for Northern Mindanao held at MSU-IIT Mini-Theater, Tibanga, Iligan City on December 7-8, 2011.

Poster Presented: Simulated Transport of *Siganus guttatus* (Bloch) Juveniles at Different Packing Densities.

Participant: Aquatic Technology Roadshow cum Industry Forum held at MSU-Naawan Function House, Naawan, Misamis Oriental on 4-5 August 2011.

Participant: Seminar on Biotechnology Applications in Aquaculture held at Mindanao State University-IFRD Researcher's Room, MSU-N Campus, Naawan, Misamis Oriental.

Participant: Science, Education and Sustainable Development Seminar held at MSU Naawan FTRC Audio Visual Room, Naawan, Misamis Oriental with the theme "Integrating disciplines for cooperation towards sustainable development"

Poster Presenter: 15th Annual RD&E Symposium, S&T Planning and Roadmapping Workshop November 10- 12, 2010 at San Lorenzo Ruiz de Manila Pastoral Center, Ampayon, Butuan City.

Poster Presented: Ammonia Excretion of *Siganus guttatus* (Bloch) in Aerated and Unaerated Water Condition

Participant: National Conference and Workshop on the Biology and Culture of Siganids held on July 23-24, 2010 at the Function House, MSU-Naawan Campus, Naawan, Misamis Oriental.

Participant: 2010 Annual Agency In-House R & D Review held at the Audio Visual Room, Fisheries Technology Resource Center, MSU-Naawan Campus, Naawan, Misamis Oriental on June 23, 2010

Participant: Training on Entrepreneurship held at the IFRD Researchers' room, MSU-Naawan, Naawan, Misamis Oriental on February 12, 2010.

Participant: 14th Annual Zonal RD & E Symposium Cum Industry Forum and Technology Roadshow and S & T Planning Workshop of the PCAMRD zonal center IV held on November 18-20, 2009 at Middletown Apartelle, Carmen Cagayan de Oro City.

Participant: 2009 Annual Agency In-House R & D Review held at the Audio Visual Room, Fisheries Technology Resource Center, MSU-Naawan Campus, Naawan, Misamis Oriental on June 23, 2009.

Member, Committee on Food, Accommodation and Hall Preparation

Participant: Training in Salesman conducted from August 05, 2006 to September 04, 2006 in Partnership/Coordination with the TESDA, Misamis Oriental Provincial Office and the DOLE, Western Misamis Oriental.

Participant: Pre-employment Seminar Workshop for SMFT graduating students on April 04, 2005 at Holcim Training Center Dalipuga, Iligan City

Participant: Training in Culture of four species of mangrove crabs *Scylla* spp. from Panguil Bay at MSUN-IFRD on April 29-June 07, 2004.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Member, Asian Fisheries Society (April 8, 2019- April 2020).

Member, Philippine Association of Marine Science (PAMS), Inc. (July 14-2017- Present).

Member, Philippine Extension and Advisory Services Network, Inc. (October 12, 2016- Present).

Member, Asosasyon ng mga Propesyonal sa Pangisdaan ng Pilipinas, Inc. (January 25, 2016- Present).

Vice-President, Davao del Norte State College-Faculty Association (February 2016- 2017).

Member, Davao del Norte State College-Faculty Association (January 2014- December 2015).

Lifetime Member, State Universities and Colleges Extension Managers Network Inc. (August 13, 2014- Present).

Lifetime Member, PCAARD Scholars' Association Inc. (August 22, 2014- Present).

OTHER ORGANIZATIONAL AFFILIATIONS

Board of Director, Mindanao State University Alumni Association - Naawan Chapter (AY 2012-2014).

Vice President, Association of Graduate Students, School of Graduate Studies, MSU at Naawan Naawan, Misamis Oriental (AY 2009-2013).

Vice President, Aquaculture Society, School of Marine Fisheries and Technology MSU at Naawan Naawan, Misamis Oriental (AY 2004-2005).