



ENCARNACION EMILIA S. YAP

Professor of Fisheries Science (Post Harvest Fisheries)
Post-Harvest Fisheries Specialist
PRC Licensed Fisheries Professional



PUBLIC SERVICE

TECHNICAL SERVICES

- Resource Person/Writer, Post-Harvest Component of the Comprehensive National Fisheries Industry Development Plan (CNFIDP) – v.3 (2021–2025); v. 2 (2016–2020); v.1 (2006–2020); Department of Agriculture (DA) – Bureau of Fisheries and Aquatic Resources (BFAR)
- Resource Person/Writer, Comprehensive Fisheries Post Harvest, Marketing, and Ancillary Industry Plan (CPHMAIP) – v.1 (2023–2027); v.2 (2018–2022); DA – Bureau of Fisheries and Aquatic Resources (BFAR)
- Writer and National Consultant, National Management Plan for the Blue Swimming Crab in the Philippines (NMP–BSC) – v.1 (2021–2025); Department of Agriculture (DA) – Bureau of Fisheries and Aquatic Resources (BFAR) – Global Sustainability Supply Chains for Marine Commodities Project (GMC–PHI) – United Nations Development Projects (UNDP)
- Member, National Fisheries and Aquatic Resources Management Council, Department of Agriculture (DA); January 2025 – December 2027
- Member, Management Board – Fisheries Management Area 11 (FMA11); Department of Agriculture – Bureau of Fisheries and Aquatic Resources (DA–BFAR); January 2025 – December 2027
- Chair, Science Advisory Group (SAG) – Fisheries Management Area 11 (FMA 11), Department of Agriculture – Bureau of Fisheries and Aquatic Resources (DA–BFAR); January 2022 – December 2024
- Member, National Technical Panel for Fisheries Education, Commission on Higher Education (CHED); January 2023 – December 2026
- Member, National Panel of Technical Experts, Climate Change Commission (CCC), Office of the President of the Philippines; October 2021 – present
- Member, Sub-Committee on Fish and Fishery Products; Philippine National Codex Commission (CODEX–PHL); January 2015 – present
- Member, National Technical Working Group for Blue Swimming Crab, Bureau of Fisheries and Aquatic Resources, March 2020 – present
- Member, National Technical Working Group for the Drafting of the National Plan of Action for Small Scale Fisheries in the Philippines, June 2023 – November 2024, BFAR–FAO–PHI–Sustainable Fisheries Partnership
- Chair/Co-Chair/Member of fourteen (14) Technical Working Groups (TWG) for the Development / Review / Revision of Philippine National Standards / Codes of Practice for various fish and fishery products; May 2020 – December 2024; Department of Agriculture – Bureau of Agriculture and Product Standards (DA–BAFPS)
- Member, Commission on Higher Education (CHED) National Agriculture and Fisheries Educational System (NAFES) Evaluation Committee, 01 Jan 2014 – 31 December 2022



College of Fisheries and Ocean Sciences
University of the Philippines Visayas

RESEARCH EVALUATION / PEER REVIEWER/JUDGE

- Chief Judge, Selection Committee, ASEAN–FEN Outstanding Young Scientist Award – Hakodate, Japan, October–November 2024; Bangkok, Thailand, October–November 2023; Nha Trang, Vietnam, October–November 2022; Kuala Lumpur, Malaysia, October–November 2019; Hat Yai, Thailand, October–November 2018
- Technical Evaluator – Department of Agriculture – Bureau of Agricultural Research (DA–BAR); Department of Agriculture – National Fisheries Research and Development Institute (DA–NFRDI); Department of Science and Technology – Philippine Council for Agriculture and Aquatic Resources Research and Development (DOST–PCAARRD); June 2016 – present
- Paper Reviewer – Philippine Journal of Fisheries, National Fisheries Research & Development Institute, Quezon City, Philippines, 2020 – present; Philippine Journal of Science, Science and Technology Information Institute (STII), DOST Compd., Gen. Santos Ave., Bicutan, Taguig, Metro Manila, Philippines, 2017–present; Philippine Journal of Natural Sciences, University of the Philippines Visayas, 2001–present
- Technical Evaluator – Department of Agriculture – National Fisheries Research and Development Institute (DA–NFRDI) Year–End Review and Evaluation; Sulu Riviera Hotel, Quezon City, November 2019; Icon Hotel, Quezon City, November 2018
- Technical Evaluator – DARE TO Project, Commission on Higher Education (CHED), C. P. Garcia Avenue, UP Diliman, Quezon City, 2017
- National Team Leader, National Fisheries Post–Harvest and Marketing RD&E Sub–Network, Department of Agriculture – Bureau of Agricultural Research, Manila. 01 December 2003 – December 2007
- Member, DA–AFMA Technical Panel on Molecular Biology and Biotechnology, 2001 – 2003
- Paper Evaluator in various research review and evaluations: UPV In–House Research Technical Panel of Evaluators on Post Harvest Fisheries, Miagao, Iloilo, Philippines, 2003–present; Annual Zonal (Visayas) RD&E Review and Planning Workshop Shamrock Beach Resort, Iloilo Grand Hotel, Iloilo City, Philippines November 2005; 8th Annual Zonal (Mindanao) Commodity RD&E Review and S&T Planning Workshop, Naawan Beach Resort, Naawan, Misamis Or, Philippines, 13–14 November 2003; Annual Zonal (Visayas) RD&E Review and Planning Workshop Shamrock Beach Resort, Guimbal, Iloilo, Philippines, November 2002
- Technical Evaluation of Fisheries School in Region 06, Technical Panel for Agricultural Education, DECS, November – December 1993

CONSULTANCY AS FISHERIES / POST-HARVEST FISHERIES SPECIALIST

- Development of the Philippine Food Chain Logistics Masterplan 2022–2040 (TA–9971 REG: Southeast Asia Agriculture, Natural Resources & Rural Development Facility – Phase II) DA – Asian Development Bank – IDOM (Spain) Consulting, Engineering, Architecture SAU and MC Spencer Consultancy, Inc., 10 June 2022 – 10 June 2023.
- World Bank – PROBLUE Technical Assistance for the Philippine Fisheries and Coastal Resiliency (FISHCORE) Project, World Bank – PHL, October 2020 – December 2020.
- Feasibility Study on the Improvement and Expansion of the General Santos Fish Port Complex, National Economic and Development Authority (NEDA) – PRIMEX – PFDA, October 2018 – December 2019
- Fish Waste Management Project: Assessment on Potential Production and Utilization of Fish Silage (FMM/RAS/298/MUL) – Food and Agriculture Organization of the United Nations (FAO–UN) – FAO Representation in the PHL, Makati City, Dec 2017 – March 2018
- Institutional and Stakeholders Analysis (ISA), Philippine Rural Development Project (PRDP), World Bank – Department of Agriculture (DA), August 2012–June 2013
- ADB–ADTA No. 4708–PHI Strategy for Sustainable Aquaculture Development for Poverty Reduction, WorldFish Center–PRIMEX–BFAR, July 2006–April 2007
- Fisheries Resource Management Project (FRMP) – Project Management Consultants Group, PRIMEX–BFAR, March 2003–January 2004

RESEARCH ACCOMPLISHMENTS

RESEARCH PROJECTS

Project Leader / Principal Investigator, "A Transdisciplinary Approach for Aquaculture Development Through a Youth-Sensitive Value Chain Framework", Food and Agriculture Organization (FAO) – Phil – Bangsamoro Autonomous Region of Muslim Mindanao, May 2024 – December 2024

Project Leader, "SOS – Seafood on the Spot: Pilot Production and Process Improvement of an Emergency Seafood Product" Department of Agriculture – Bureau of Agricultural Research (DA-BAR); Project Duration: March 2024 – February 2025

Project Leader, "Development and demonstration of seaweed production systems resilient to future climatic stressors and environmental hazards" UPV Foundation, Inc – Seaweed Base for International Science and Technology Cooperation, Qingdao, China, January 2024–December 2024

Project Leader, "Process Standardization and Market Study of an Innovative Disaster/Emergency Seafood Product"; DA – Bureau of Agricultural Research; Project Duration: February 2023 – February 2024.

Project Leader, "Rapid Assessment of Seafood, Water, and Sediment Quality and Safety in Impacted Areas of the MT Princess Empress Oil spill under the Assessment Program on Affected Sites by the MT Princess Empress Oil Spill in Semirara and Mindoro", August 2023 – March 2024

PLUS: Project Leader/Study Leader of other twenty (20) different research projects, funded by Food and Agriculture Organization (FAO)–Rome; Ocean University of China – Seaweed Base for International Science and Technology Cooperation, Qingdao, China; Department of Agriculture – Bureau of Agricultural Research (DA-BAR); UP Extension Program in Antique; Commission on Higher Education (CHED); Department of Science and Technology – Philippine Council for Agriculture and Aquatic Resources Research and Development (DOST-PCAARRD); Department of Science and Technology – Philippine Council for Industry, Energy Research and Development (DOST-PCIERD); World Wide Funds (WWF) and National Disaster Coordinating Council (NDCC); Philippine Fisheries Institutions Network (PhilFIN) and Commission on Higher Education (CHED); Fisheries Sector Program (FSP) – Department of Agriculture – Bureau of Agricultural Research (DA-BAR); and UPV In-house Project Funds; 1992 – 2023

Exchange Scientist, Kitakyushu Museum of Natural History and Human History, Kitakyushu, Japan, under the Japan Society for the Promotion of Science (JSPS) Core University Program – UP Visayas – Kagoshima University; Sept – Nov 2006, Oct – Nov 2005; Oct – Nov 2004

PUBLICATIONS

Endoma, L. F., D.R. Monsale, I.G. Borlongan, H. G. Gaya, P.S. Santacera, and **E.E.S. Yap**. 2024. "Short-term tank culture of *Gracilariopsis heteroclada* at high salinities improves agar quality", *Botanica Marina*, October 2024. <https://doi.org/10.1515/bot-2024-0027>

Chang, Y.W., Y.L. Chen, S.H. Park, **E.E.S. Yap**, and W.C. Sung. 2024. Characterization of Functional Ingredients Extracted with Ethanol Solvents from Ponkan (*Citrus reticulata*) By-Products Using the Microwave Vacuum Drying Method Combined with Ultrasound-Assisted Extraction. *Foods*. 13:2129. <https://doi.org/10.3390/foods13132129>

Islam, J., **E.E.S. Yap**, L. Krongpong, J. Toppe, and O.R. Peñarubia. 2021. *Fish waste management – An assessment of the potential production and utilization of fish silage in Bangladesh, Philippines and Thailand*. FAO Fisheries and Aquaculture Circular No. 1216. Rome. <https://doi.org/10.4060/cb3694en>

PLUS: Co-author of other fifteen (15) refereed journal articles (1991–2020)

Author of eight (8) local book chapters (local) and one (1) international book chapter; one (1) book in Filipino

Co-author of six (6) policy papers and four (4) technical papers

Author of five (5) training manuals on post-harvest fisheries

Co-Author of ten (10) scientific articles in conference proceedings

COPYRIGHT REGISTERED MATERIALS

Yap, E.E.S., Tejano, L.A., Muegue, M.F.S. 2022 Trainer's Training Manual on Good Manufacturing Practices and Seafood Quality and Safety in Coastal Communities (Training Manual). Copyright Registration Certificate No. 2022-02514-A-TCCR, 20 September 2022.

Yap, E.E.S., Galon, B.T.M., Peralta, E.M., and Napata, R.P. 2022. Trainer's Training Manual on Improving Capacity through Gender-based Fisheries Technology Transfer in Coastal Communities (Training Manual) Copyright Registration Certificate No. 2022-02515-A-TCCR, 20 September

Yap, E.E.S., Famatid, T.A.G., Revantad, A.B., Surnido, W.N., Napata, R.P., Monteclaro, H.M., Peralta, E.M., 2021. Manual on Good Manufacturing Practices for Sardine Products – Copyright Registration Certificate No. A-2021-00865, 09 July 2021

PLUS: Author/Co-Author of other eight (8) copyright registered materials on post-harvest fisheries, 2021

PAPER PRESENTATIONS IN CONFERENCES/SYMPOSIA/FORUMS

Two (2) Keynote Paper Presentation in international conferences/symposia/forums

Six (6) Country Paper Presentation in international conferences/symposia/forums

Five (5) Paper (Oral) Presentation (Invited Speaker) in international conferences/symposia/forums

Eighteen (18) Paper (Oral) Presenter in international conferences/symposia/forums

Three (3) Paper (Poster) Presentation in international conferences/symposia/forums

One (1) Plenary Paper Presentation in local conferences/symposia/forums

One (1) Parallel Paper Presentation (Invited Speaker) in local conferences/symposia/forums

Seven (7) Paper (Oral) Presentation in local conferences/symposia/forums

Four (4) Paper (Poster) Presentation in local conferences/symposia/forums

PARTICIPATIONS IN INTERNATIONAL TRAININGS/ CONFERENCES/WORKSHOPS/MEETINGS

Organizer/Co-Organizer, 7th International Conference on Fisheries and Aquatic Sciences, October 2023, Iloilo City; Blue Swimming Crab Research, Development, and Innovation (RDI) Summit, June 2023, Iloilo City; First Iloilo Seaweed Summit, May 2023, Iloilo City; 12th Asian Fisheries and Aquaculture Forum, April 2019, Iloilo International Convention Center, Iloilo City

Participant, Philippine delegation: "Signing of Memoranda of Understanding between seven (7) Philippine Higher Education Institutions (Mindanao State University–Naawan, Mindanao State University–Marawi, University of the Philippines Visayas, Western Philippine University, Iloilo State College of Fisheries, Zamboanga State College of Marine Science and Technology, and Southern Philippines Agri-Business and Marine and Aquatic School of Technology) and six (6) Turkish universities (Ankara Universitesi, Kastamonu Universitesi, Ege University, Isparta University of Applied Sciences, Çanakkale Onsekiz Mart University, Karadeniz Technical University)", Philippines' Commission on Higher Education (CHED) and the Council of Higher Education in Türkiye, Türkiye, 17–29 September 2022.

Member of the Philippine Delegation, 44th and 45th Session Codex Alimentarius Commission: Joint FAO/WHO Food Standards Programme – CODEX Alimentarius Commission, *By correspondence*: 20 September – 25 October 2021; *Hybrid Session*: 8–13 November 2021; *Hybrid Session*: October 7–11, 2024.

Participant, ASEAN FEN Fisheries Education Network Council Meetings: April 2023, Asian Institute of Technology, Bangkok, Thailand; April, 2022, Nha Trang University, Vietnam; November 2019, Seri Pacific Hotel, Kuala Lumpur, Malaysia; March 2019, Unibersiti Putra Malaysia, Serdang, Malaysia; March 2016, Can Tho University, Vietnam; December 2015, Gurney Hotel and Residences, Penang, Malaysia

Participant, "Governing Council Meetings of the International Linkage Program on Tropical Fisheries by Kagoshima University, UP Visayas, Kassetsart University, Nha Trang University, Unibersiti Malaysia Terrangganu, Sam Ratulangi University, and Institut Pertanian Bogor": March 2023, National Chiayi University, Chiayi, Taiwan; November 2019, UMT, Kuala Terangganu, Malaysia; January 2019, Institut Pertanian Bogor, Indonesia; August 2014 and September 2018, Kagoshima University, Japan; April 2014, Iloilo City, Philippines; December 2013, Sam Ratulangi University, Manado, Indonesia

Participant, High Level Meeting for TrainIQA (International Quality Assurance) in Potsdam University, 7-11 November 2016, Potsdam, Germany

PLUS: Participant in various trainings: February 1999, Short-term Course on Handling of Unsealed Radioisotopes, Australia; February 1999, DNA Sequencing, Australia; October 1989, Surimi Process Technology, Singapore; May 1991, Gas Chromatography, Quezon City, Phl; March 1991, Food Testing and Inspection, Pasay, Phl; August 1989, SPSS, Iloilo City, Phl; October 1988, Alternative Strategies for Effective Teaching - Information Program (ASET-IP), Iloilo City, Phl

Participant in nine (9) international conferences/workshops/forums

Coordinator of nine (9) local trainings

Resource Person/Lecturer in sixty eight (68) local trainings/symposium/workshops/forums

Participant in twenty eight (28) local conferences/workshops

SERVICE TO THE UNIVERSITY

ADMINISTRATIVE POSITIONS

Vice Chancellor for Research and Extension, UP Visayas, January 2024 – October 2024

Dean, UPV College of Fisheries and Ocean Sciences, November 2017 – December 2023

Vice Chancellor for Academic Affairs, November 2011 – October 2017

Assistant to the Vice Chancellor for Academic Affairs, May 1996–January 1997; January 2009 – October 2011

Executive Director / Secretary (Board of Trustees) Philippine Fisheries Institutions Network (PhilFIN), Inc., October 2009 – present

College Secretary, UPV College of Fisheries and Ocean Sciences June 1994 – June 1995

Student Relations Officer, UPV College of Fisheries and Ocean Sciences, June 1991–May 1992

MEMBERSHIP IN UNIVERSITY COMMITTEES

Core Member, Task Force to Operationalize the UP Archipelagic and Oceanic Virtual University

Member, AdHoc Committee to Study the Feasibility of Offering Maritime and Oceanographic Studies in UP

Member, Course Evaluation Committee, Office of the Vice President for Academic Affairs (UP-OVPAA)

Member, System Committee on Review of Proposals and Requests for BOR Endorsement to the BOR, UP-OVPAA

Member, System Committee to Review the Student Evaluation of Teachers (SET) Instrument, UP-OVPAA

PLUS: Chair/Co-Chair/Member, Numerous UPV Standing, Working, and Ad Hoc Committees



ACADEMIC ACHIEVEMENTS

MENTORSHIP OF EARLY CAREER RESEARCHERS / SCIENTISTS

Role	Number of Mentees with Completed Research Activities	Number of Mentees with On-going Research Activities
As undergraduate thesis adviser	34	5
As graduate thesis adviser	10	6
As graduate thesis panel member	5	2

EDUCATIONAL ATTAINMENT

Doctor of Philosophy *cand* (Molecular Biology)

Murdoch University, Perth, Western Australia

Master of Science (Food Science)

1988, Cornell University, Ithaca, New York, USA

Bachelor of Science in Fisheries (Fish Processing Technology), *cum laude* 1984, University of the Philippines, Diliman, Quezon City, The Philippines

AWARDS RECEIVED

AWARDS IN TEACHING / RESEARCH / PUBLIC SERVICE:

UP Alumni Association Iloilo Chapter Outstanding Professional Award (Fisheries and Ocean Sciences Category), August 2024

UPV Chancellor's Award for Outstanding Achievement in Public Service, University of the Philippines Visayas Service Awards, September 2023.

UPV Chancellor's Award for Outstanding Performance as Professor, University of the Philippines Visayas Service Awards, February 2019.

Awardee, TRIDENT AWARD for the Outstanding UPV College of Fisheries Faculty, UP Fisheries Guild, Miagao, Iloilo, Philippines, February 1995

Young Achievers Award for Education, *Parangal ng Bayan* 1995 – A Tribute to National Achievers, January 1995

PROFESSORIAL CHAIRS: • One UP Professorial Chair Awardee, Professorial Chair in Fisheries Sciences (Post-Harvest Fisheries), UP System, 2016–2018; 2019–2021; 2022–2024; • Roberto S. Benedicto Assistant Professor of Fish Processing Tech, UP Visayas, Iloilo, Philippines, Jan – Dec 1996; • Synergistic Consultants, Inc. Assistant Professor of Environmental Sciences, UP Visayas, Miagao, Iloilo, Philippines, January – December 1992

PUBLICATION AWARDS: • International Publication Awards, UP System, Diliman, Quezon City, May 2022, May 2019, December 2014, December 2013; • 1993 UP President's Award for Outstanding Publication, UP Diliman, August 1993

AWARDS FOR PAPER PRESENTATIONS: three (3) best research paper awards in international Conferences; seven (7) awards in local conferences

OTHER RECOGNITIONS:

Kajihara, H. (2007). *Callinera emiliae* sp. Nov. (Nemertea: Palaenemertea) from Negros Island, Philippines. Zootaxa, 1454:39–47. (**Etymology:** *The scientific name is dedicated to Emilia S. Yap, a Filipino scientist who significantly helped the author during his sample collection in the Philippines*)

Recipient, Certificate of Appreciation from the Asian Fisheries Society, awarded during the 2nd International Symposium on Aquaculture and Fisheries Education, 22–25 April 2015, Shanghai Ocean University, Shanghai, China

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

• Associate Member, National Research Council of the Philippines (NRCP); • Member, *Asosasyon ng mga Propesyonal ng Pangisdaan ng Pilipinas* (APPP); • Founding Member, Gender for Aquaculture and Fisheries Group of the Asian Fisheries Society, Bangkok, Thailand; • Full Member, Asian Fisheries Society, Bangkok, Thailand; • Professional Member, Institute of Food Technologists, Chicago, IL; • Member, UPV College of Fisheries Alumni Association, Miagao, Iloilo, Philippines; • Member, UPAA-Iloilo Chapter, Iloilo City; • Member, Cornell Club of the Philippines, Manila, Philippines; • Member, Sigma Delta Pi Sorority, UP Diliman, Quezon City, Philippines