

## CURRICULUM VITAE



**Full Name:** Alex Pulvinar Camaya  
**Address:** Tabaco City, 4511, Albay, The Philippines  
**Affiliation:** Associate Professor (Bicol University)  
**Current Position:** Program Adviser – MS Fisheries Program of BU  
**Teaching Involvement:** Biology courses for undergraduate program; CRM courses for MS Fisheries; Advanced Cell and Mole. Biology and Research Method courses for MA in Education-Science program

### Educational Background:

Graduate studies:

Title	School	Field of Research	Year Graduated
Doctor of Philosophy (PhD)	Kochi University, Japan (Monbukagakusho Scholar)	Cell biology (ultrastructure) of coral <i>P. damicornis</i> and its symbiotic zooxanthellae)	2017

Title	School	Field of Research	Year Graduated
Master of Science in Fisheries (Major in Coastal Resources Management)	Bicol University Graduate School, Legazpi City, the Philippines	Cell biology and ecology of green algae ( <i>Valonia</i> spp.) found in reef areas of San Miguel Island, Bicol Region, the Philippines	2010

Undergraduate study:

Title	School	Field of Research	Year Graduated
Bachelor of Science in Marine Biology	Palawan State University Palawan, the Philippines	Ecology of crown-of-thorns starfish in the coral reefs of Fondeado Island, Palawan, the Philippines	2000

### Selected Publications:

Title of Article	Name of Journal	Publication Date
Changes in the Ultrastructures of the Coral <i>Pocillopora damicornis</i> after Exposure to High Temperature, Ultraviolet and Far-Red Radiation	Cytologia	November 2016
Population parameters and exploitation of commercial scallop fishery for <i>Chlamys nobilis</i> in Asid gulf, Philippines	International Journal of Biosciences	August 9, 2019
Morpho-biometric relationship, relative condition factor and meat yield of Distant Scallop <i>B. vexillum</i> (Reeve, 1853) in Asid Gulf, Philippines	Asian Fisheries Science	Nov. 17, 2019
Sinusoidal growth, recruitment, mortality, yield-per-recruit analysis of Buried fan scallop <i>Mimachlamys funebris</i> (Reeve, 1853) and their implications for mariculture	Journal of Fisheries	July 24, 2020
Stages of the symbiotic zooxanthellae-host cell division and the dynamic role of coral nucleus in the partitioning process: a novel observation elucidated by electron microscope	Coral Reefs	Feb. 26, 2020

### Selected Participation in Scientific Conferences:

Title of Paper	Name of Event	Place and Date
In Vitro Regeneration of Small Colony Fragments of <i>Pocillopora damicornis</i> Produces Clones to Examine the Effect of Monochromatic Lights on Coral Tissue Growth and the Density of Symbiotic Zooxanthellae	International Symposium on New Frontiers in Reef Coral Biotechnology	National Dong Hwa University, Pingtung 944013, Taiwan / May 5, 2022
Regeneration in coral <i>Pocillopora damicornis</i> and the effect of monochromatic lights on tissue growth and density of the <i>in situ</i> symbiotic zooxanthellae	11 <sup>th</sup> International Kuroshio Science Symposium	Kochi University, Japan, July 23-27, 2017

Changes in the ultrastructure of the coral <i>Pocillopora damicornis</i> after exposure by high temperature, ultraviolet and far-red rays	13 <sup>th</sup> International Coral Reef Symposium	Honolulu, Hawaïi, USA, June 19-24, 2016
Ultrastructure of cell division of symbiotic zooxanthellae in the scleractinian coral <i>Pocillopora damicornis</i>	9 <sup>th</sup> International Kuroshio Science Symposium	National Sun Yat Sen University, Taiwan, November 17-20, 2015
Importance of Seaweeds and their Current Status in San Miguel Island, Lagonoy Gulf, Philippines, and Aspects of <i>Valonia sp.</i> in Cell Biology	6 <sup>th</sup> International Kuroshio Science Symposium	Bicol University, Philippines December 2-4, 2012

**Completed Research Undertakings (selected):**

Title of Projects	Funding Agency	Position	Duration/Status
Knowledge Awareness Through Direct Understanding of Native and Unique Natural Gems of Bicol (KADUNUNG Bicol)	CHED	Proj. Staff	2 years (Sept. 2020-Oct 2022)/Completed
Development of Innovative Mariculture Technique for Scallops (DIVSMART) Project	BU	Study Leader	3 years (July 2017-June 2020)/Completed
Program: Development and Capability Building Program on Algae Research (National Research) Project: Capability Building on Collection, Isolation and Identification of Microalgae	CHED	Project Leader	1 year (2012-2013) /Completed
Program: RESILIENT SEAS (Remote Sensing Information for Living Environments and Nationwide Tools for Sentinel Ecosystems in our Archipelagic Seas) Project: Climate Change Impact and Adaptation in the Coastal Environment (CLIMACE-Bicol)	DOST-PCAARD	Research Associate	2 years (2010-2012)

**Current Research Proposals Under Evaluation:**

Title of Proposed Project	Funding Agency / Position
Capability Building and Development of Low Technology <i>In vitro</i> Cultures as Model System for Reviving Corals-of-Opportunity in the Bicol Region, Philippines	DOST-PCAARRD / Project Leader
Impact of the Volcanic Ash (Pyroclastic Materials) from Mount Mayon in the Coral Reefs and its Growth from In-vitro Condition	Nagao Natural Environment foundation (NEF) Research Grant, Japan / Project Leader
Current Diversity and Structure of Benthic Macrophytes in Lagonoy Gulf, Bicol Region Amidst the Changing Climatic Condition	BU-funded / Project Leader