



## **Jea Malanguis Vesera**

### **Objective**

To contribute and be a part of a healthy organization that promotes personal development, growth of work-related skills, and increase in overall knowledge.

### **Education**

<u>Tertiary Education</u>	<i>Bachelor of Science in Biotechnology Major in Industrial Biotechnology</i> Visayas State University VISCA, Baybay City, Leyte A.Y. 2019-2023
<u>Secondary Education</u>	General Academic Strand Grelina Osmeña Christian College Hilongos, Leyte A.Y. 2017-2019

### **Undergraduate Study**

- *16s rRNA Metagenomics Analysis in Profiling Pesticide Biodegradation Genes in Soils of Rice farm in Brgy. Tambaan, Hilongos, Leyte*
  - Use of 16s rRNA Metagenomics Analysis in determining genes present in directly and indirectly pesticide-contaminated soils by comparing the generated reads to sequence databases and relating results to present and possible future implications in the overall condition of the surrounding environment, including human health.

Thesis Adviser: Lourd Franz M. Gabunada  
Assistant Professor and Head  
Department of Biotechnology  
Visayas State University

## Referees

- Phil Aidan Cruz, MSc  
Research and Development Manager  
Herbanext Laboratories, Inc.  
*Email address:* aidancruz.herbanext@gmail.com  
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- Lourd Franz Gabunada, MSc  
Assistant Professor and Head  
Department of Biotechnology  
Visayas State University  
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*Mobile number:* +639273333897

## Skills

- *Computer literate.* Proficient in using various computer applications such as MS Office products and Canva.
- *Relevant Bioinformatics Software Experience.* Experienced in molecular visualization tools and protein sequence data analysis software through PyMOL and Mega11.
- *Experience in Relevant Programming Languages.* Experienced in data visualization tools through MS Office Excel, Rstudio, and C++ Language.
- *Laboratory skills.* Has relevant experience and background in instrumentation, laboratory ethics and safe practices, and test analysis and methods.
- *Good command of written and oral communication.* Fluent in English, Filipino and Cebuano language.

## Work Experience

- *Student Intern*
  - Preparation of nutrient media for plant tissue culture
  - Tissue culture of Lakatan, Carrot, and Sweet Potato
  - Surface Sterilization of Carrot and Sweet Potato Potting of LakatanDepartment of Horticulture, Plant Tissue Culture Laboratory  
Visayas State University  
July 24 – July 28, 2023

- *Student Intern*
  - Media preparation for detecting antimicrobial activities of Abaca roots
  - Detected presence of Abaca Bunchy Top Virus of Abaca leaves through PCR
  - Extracted DNA from Abaca leaves

Plant Disease Diagnostics Laboratory  
Visayas State University  
February 6 – February 10, 2023
- *Student Intern*
  - Lowering effervescence time of *Euphorbia hirta* L. tablets through Optimization of its acid and base composition by response surface methodology
  - Market Analysis of researched probiotic products in the Philippines
  - Pectin reduction in Citrus x sinensis juice using free and immobilized pectinase
  - Granulating, tableting, and quality check of Tawa-tawa effervescent tablets
  - Media preparation and microbial testing of Tawa-tawa effervescent tablets
  - Total Flavonoid Content Analysis

Herbanext Laboratories, Inc.  
Bago City, Negros Occidental  
July 2022 – August 2022
- *Pediatrician's Secretary*

Dr. Lourdes Espina  
R.V. Villaflores Street, Hilongos, Leyte  
Summer of 2016

#### Extra-Curricular Work Experience

- *Member*

Junior Department-Based Guidance Facilitator  
2020-2023
- *Vice President*

Summer Youth Olympiad of Fundamental Baptist Churches  
2019 – Present
- *Secretary*

KESWCIK Youth Conference of Eastern Visayas  
Fundamental Baptist Churches  
2019-2021
- *Secretary*

Civic Welfare Training Service  
2019

- *Member*  
GOCC Student Electoral Board  
2016 to 2019
- *Editor in Chief*  
Annual Publication of School Magazine June  
2016 to 2018

#### Affiliations

- Terrestrial and Aquatic Restorations by Students Immersed in Environmental Reforms (TARSIER)  
2022– August 2023

#### Contact Information

Address : Mabini Street, Barangay Eastern, Hilongos, Leyte  
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#### Personal Information

Age : 22  
Date of Birth : October 08, 2000  
Nationality : Filipino  
Languages Spoken : Cebuano, Filipino, English  
Gender : Female  
Marital Status : Single  
Religious Preference : Fundamental Baptist

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**Declaration:** I, **Jea M. Vesera**, hereby declare that the above finished information is authentic to the best of my knowledge.



Hilongos, Leyte August 2023