



# Jeavsera

## Objective:

To be a part of a healthy organization that promotes personal development and the growth of career-related skills. Aimed to increase overall perception and knowledge in order to give back and improve the welfare of the community and to contribute to the company's development.

## Experience

### July and August, 2022

Herbanext Laboratories, Inc, Bacolod City

#### Student Intern

##### Tasks/Achievements:

- 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

### February 6-10, 2023

Plant Disease Diagnostics Laboratory, VSU

#### Student Intern

##### Tasks/Achievements:

- 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

### July 24-28, 2023

Department of Horticulture, Plant Tissue Culture Laboratory, VSU

#### Student Intern

##### Tasks/Achievements:

- 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 Lakatan

Department of Biotechnology, VSU

#### Undergraduate Thesis Study

Title: 16s rRNA Metagenomics Analysis in Profiling Pesticide Biodegradation Genes in Soils of Rice Farm in Tambaan, Brgy. Eastern, Hilongos, Leyte

##### Achievements:

- Extracted DNA from directly and indirectly pesticide-exposed agricultural soils in the rice farm located at Tambaan, Brgy. Eastern, Hilongos, Leyte
- Evaluated the quality and quantity of extracted DNA
- Determined the phylogeny and taxonomy of the microbes present in the agricultural soils of rice farm from the 16s rRNA gene sequencing results
- Identified genes present in Rice paddy and Rice paddy run-off by comparing the generated reads to sequence databases

## Reference

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R&D Manager

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## Contact

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## Education

2019 - 2023

### BS Biotechnology

Major in Industrial Biotechnology

Visayas State University

2019 - 2023

### Scholar

Department of Agriculture - Biotech

Scholarship Program

2nd Semester SY 2021-2022 & 1st

Semester SY 2022-2023

Dean's Honor

2023

### Cum laude

Latin Honors

## Software Experience

RStudio

Mega11

PyMOL

C++

Microsoft Excel

## Organization

2023

Affiliate Member

TARSIER Philippines

## Language

English

Filipino

Cebuano