

Dabatan, Via Vitor
Purok 6, Dagohoy Beach,
San Pedro Talibon, Bohol, Philippines
09815302690
dabatanvia@outlook.com

Technical Skills

- Proficient in Microsoft Word, Excel, PowerPoint, and other computer software
- Familiarity with SPSS statistical tool
- Basic knowledge on R and MEGA
- Basic knowledge on food and wine manufacturing
- Basic and applied knowledge on the principles and fundamental techniques of bacterial cell culture, primary cell isolation, cell purification, cell counting, and harvest
- Proficient in microbial identification techniques including microscopic and macroscopic observation, as well as biochemical and molecular analysis for accurate species characterization
- Basic and applied knowledge organ plant tissue culture- shoot tip culture, ovary and ovule culture, leaf culture, and embryo culture
- Basic and applied knowledge on callus culture
- Basic lab skills on DNA extraction;
- Basic and applied knowledge on DNA Quality and Quantity checking by UV-spectrophotometry and NanoDrop spectrophotometry;
- Knowledgeable in gel electrophoresis for PCR product analysis, including agarose gel preparation, loading samples, and interpretation of results; and
- Familiarity in setting up PCR reactions, including master mix preparation

Languages

- Filipino
- English
- Cebuano

Professional Experience

- **(September-July, 2025 Holy Name University-Research Assistant**
 - Creates partnership with faculty researches from the different colleges for conduct of interdisciplinary researches
 - Conduct commissioned researches
 - Assists in the preparation of research skills training and research activities
- **(January, 2024) Plant Disease and Diagnostics Center**
 - Conducted isolation and identification of disease-causing bacteria from Abaca leaf samples.
- **(September, 2023) National Coconut Research Center-Visayas**
 - Conducted Makapuno embryo extraction and isolation and oversaw student trainings
 - Participated in the Food Sensory Test of their new product, "Makapuno Polvoron"

- **(July-August, 2023) Philippine Genome Center-Visayas**
 - Conducted DNA sequencing technique from DNA extraction, Spectrophotometry technique, Gel electrophoresis technique, Polymerase Chain Reaction technique, and Bioinformatics of animal tissue and human RNA Covid-19 samples.
 - Experienced Bioinformatics using MEGA Genomics and Basic Local Alignment Search Tool (BLAST)
- **(February, 2023) Visayas State University Tissue Culture Laboratory**
 - Conducted tissue culture (shoot, tip, ovary, leaf, and embryo) of banana and bamboo plant samples.

Relevant Seminars/Webinars:

- Amplicon-based Sequencing with Oxford Nanopore Technology (ONT) Applied to the Dengue Virus in the Philippines
- 5th International Livestock Biotechnology Symposium
- International Food Value Chain Webinar and Workshop
- CropLife Philippines Webinar (Herbicide Mode of Action and Herbicide Resistance Management)
- CropLife Philippines Webinar (Plantation Herbicide Resistance Management Webinar)
- Biotechnology in Achieving a Resilient and Progressive Food System
- 19th National Biotechnology Week Seminar

Education

Bachelor of Science in Biotechnology Major in Industrial Biotechnology Visayas State University, Baybay City Leyte

Magna Cum-Laude

DA Biotech scholarship grantee (2020-2024)

Relevant Coursework:

Environmental Science, General Botany, Organic Chemistry, Quantitative Inorganic Chemistry, General Microbiology, Biochemistry, General Zoology, Genetics, Statistical Methods, Introduction to Computing, Proteins and Nucleic Acids, Cell and Molecular Biology, Molecular Toxicology, Bioprocessing, Immunology, Ecology, Methods of Recombinant DNA Technology, Computational Biotechnology (Bioinformatics), Industrial Chemistry, Bioethics, Risk Assessment and Management, and Trends in Biotechnology

- Clubs and Activities:
 - Treasurer** – Visayas State Biotechnological Society (2021-2022)
 - Board of Director** – College of Arts and Sciences- Student Supreme Council (2022-2023)
 - G13 (Climate Change Action) University Ambassador** – G17 University Consortium (2022-2023)
 - President**- Mariposa Ladies Hall Dormitory (2022-2023)
 - President** – COFILANG FACTION (2022-2023)
 - Grievance and Discipline Committee** -University Interdorm Student Body (2022-2023)

High School (2014-2018)

San Isidro High School – San Isidro, Talibon, Bohol

Senior High School and High School (2018-2020)

Science, Technology, Engineering, and Mathematics

San Jose National High School – San Jose, Talibon, Bohol

- GPA: 96
- Relevant Coursework: Chemistry, Biology, Practical Research, Statistics, Oral Communication, and Work Immersion.
- Clubs and Activities:

Winner – National Science and Technology Fair (Innovation Research Contest 2019-2020).

Intern – PhilHealth Office

Vice President – Science Club (2019-2020)

President – Youth Environment in School Organization (2016- 2017)

Peace Officer - Student Supreme Government (2016-2017)

Auditor – Student Supreme Government (2015–2016)

Treasurer – Science Club (2015 -2016)

Grade 7 Representative – Student Supreme Government (2014- 2015)

Grade 7 Representative – Science Club (2014-2015)

Researches

- Determining the Heavy Metal (Cadmium and Lead) Tolerance of Yeast Strain Isolates from the Visayas State University Dumpsite
- The Practicability of Harnessing Water from a Groundwater Source Using Aero, Solar, and Mechanical Energy (National Science and Technology Fair Winner 2020)
- Antimicrobial Activity of *Carica Papaya* Leaf Extract Against *Escherichia coli* Connectedness to Nature on Ocean Water Pollution in Selected Areas in Talibon, Bohol