

LEE ANDREW L. GONZALES

313 Del Corro St., Plaridel • Baybay City, Leyte 6521 • gonzalesleeandrew@gmail.com • 09678267199

Education

Visayas State University

Bachelor of Science in Biotechnology

Major in Industrial Biotechnology

Cumulative GPA: 1.278, President's Honors 2020-2024

Magna Cum Laude

Thesis: "Phytochemical Analysis and *In Vitro* DNA Damage Protection Activity of Cogon Grass (*Imperata cylindrica*) Roots and Leaves Extracts"

Relevant Coursework: Bioprocessing; Genetics; Microbiology; Methods in Recombinant DNA Technology; Botany; Cell and Molecular Biology; Ecology; Computational Biotechnology; Biochemistry; Industrial Chemistry; Statistical Methods; Organic Chemistry; Inorganic Chemistry; Botany; Zoology; Immunology; Proteins and Nucleic Acids; Industrial Chemistry

Baybay City, Leyte

Graduation Date: August 08, 2024

Visayas State University Integrated High School

Science, Technology, Engineering, and Mathematics Strand

Cumulative GPA: 94.20, With High Honors

Relevant Coursework: Agriculture; Biology; Chemistry; Statistics

Baybay City, Leyte

Graduation Date: October 2020

Experience

DA – Crop Biotechnology Center Intern

PhilRice, Science City of Muñoz
July 2023 – August 2023

- Phenotyping of rice crown roots and grain samples for initial assessment in Quantitative Loci Trait (QTL) mapping
- Conducted PCR, and DNA genotyping through Agarose Gel Electrophoresis for QTL mapping of root plasticity against drought conditions
- Sowing of F4 generation rice samples on field
- Transformation and cloning of 35s-GFP in competent *e. coli* cultures
- Optimization of PCR components in the amplification of 35s-GFP as selectable marker for plant transformation
- Reviving microbial stock cultures and tissue culture of rice grain explants

Leadership & Activities

Visayas State University Biotechnological Society (VBS)

Baybay City, Leyte

Vice President

Academic Year: 2022 – 2023

- Revised the constitution and by-laws of the by ideation funneling collected from the fellow officers
- Leading chairperson in organizational meetings for planning, revisions, and implementations of activities.

P.I.O.

Academic Year: 2021 – 2022

- Dissemination of activity plans, announcements and relevant information to the respective VBS constituents

Skills & Interests

Technical: BLAST, RStudio and MEGA (Phylogenetic Trees, Primer Designing, Sequence Alignment, Statistical Analysis)

Language: Proficient in English, and Filipino (Tagalog, Bisaya, Waray-waray)

Laboratory: Micropipetting, Aseptic Techniques (Autoclaving and Sterilization), Equipment Calibration and Maintenance, Extraction (Phytochemical, Protein, DNA), Reagent Preparation and Standardization, Enzyme Assays, Phytochemical Analysis, Agarose Gel Electrophoresis, Cell Culture, Bacterial Transformation and Cloning, Polymerase Chain Reaction

Interests: Volleyball Enthusiast, Art, Gaming, Research Experiments