

JESSER ALESNA

Molecular Biologist and Biotechnologist

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Musuan, Maramag, Bukidnon |
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EXPERIENCE

- PARASITOLOGICAL EXAMINATION

Central Mindanao University | 2024

 - Detected various intestinal parasitic eggs among stool samples collected from school aged children in Bukang Liwayway, Bukidnon
 - Examined parasites in various orgnisms.
- MOLECULAR DIAGNOSTIC TESTS

Central Mindanao University | 2024

 - DNA extraction, PCR, spectrophotometry, gel documentation, phylogenetic construction.
- MICROBIOLOGICAL SKILLS

 - Growth and isolation, identification (Gram-staining, catalase test)
- AGRICULTURE

NMACLRC | 2023

ANIMAL AGRICULTURE

 - Rectal palpation of ruminants, antibiotic and vitamin administration to livestock and poultry, sperm cryopreservation. blood collection on goats.

HORTICULTURE

 - Hydroponics, SMART greenhouse management, stock solution and culture media production, plant tissue and mushroom culture, mushroom composting. rice yield and legumes assessment. sweet potato management.

SOIL PROFILING (BIOLOGICAL AND PHYSICAL PROPERTY)

FOOD PRODUCTION

 - Soya milk production, wine production.

PROJECTS

- 2017

Tested various Cocos nucifera (Coconut) concentrations to determine the best alternative for biofuel.
- 2018

Designed a portable air conditioner.
- 2023

Quantified the degree of phenotypic plasticity of Nepenthes surigaoensis Elmer found in two vegetation types in Mt. Malimumu, San Fernando.

Tested the potentiality of Pleurotus ostreatus (Jacq.) P. Kumm. as a natural dye.

Provided baseline information on pill-millipede in Mt. Musuan, Bukidnon via morphology and phylogenetic tree construction.

Produced apple cider vinegar and apple wine using isolated Bacillus subtilis from fresh apples.
- 2024

Obtained the prevalence and molecular characteristics of intestinal parasites among school aged children in Bukang Liwayway Elementary School, Bukidnon

EDUCATION HISTORY

- 2020 - 2024

Central Mindanao University (Tertiary)

University Town, Musuan, Maramag, Bukidnon

Magna Cum Laude
- 2018 - 2020

Central Mindanao University

University Town, Musuan, Maramag, Bukidnon

With Honors
- 2014 - 2018

Bulan National Highschool

Bulan, Sorsogon

With High Honors
- 2008 - 2014

New Jerusalem School

Bulan, Sorsogon

With Honors

PROFILE

Recent molecular biology and biotechnology graduate from Central Mindanao University with a passion for acquiring knowledge and exploring new avenues. Demonstrated enthusiasm for understanding theories and concepts underlying natural phenomena and their interconnections. Adaptable team player with the ability to excel independently or collaboratively.

- KEY SKILLS
- Microscopy skills
 - Computer Proficient
 - Adaptive
 - Inquisitive
 - Analytical
 - Dextrous
 - Data Analysis and Interpretation
 - Technical Writing
 - Problem Solving
 - Active Listener

LANGUAGE

- Tagalog
- Bisaya
- Bicol
- English

AWARDS/ACHIEVEMENTS

- DOST Merit Scholarship Program (2020-2024)
- Magna Cum Laude – Central Mindanao University (2024)
- 95 NMAT percentile (May 2024)
- Presented a poster about his thesis entitled “Prevalence and Molecular Characterization of Intestinal Parasites Among School Children in Bukang Liwayway, Bukidnon Using Cytb (cytb) and 16S Ribosomal RNA (16S rRNA) Genes. - UP Los Baños (2024)