

**ISOLATION AND IDENTIFICATION OF WATER BORNE BACTERIA
FROM CLSU WATER SYSTEM AND THEIR SENSITIVITY TO FOUR
TRADITIONAL VARIETIES OF *Oryza sativa* EXTRACTS**

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ABSTRACT

ESPIRITU, ALLEN CLAIRE S., Department of Biological Sciences, College of Arts and Sciences, Central Luzon State University, Science City of Munoz, Nueva Ecija, Philippines, **JUNE 2019, ISOLATION AND IDENTIFICATION OF WATER BORNE BACTERIA FROM CLSU WATER SYSTEM AND THEIR SENSITIVITY TO FOUR TRADITIONAL VARIETIES OF *Oryza sativa* EXTRACTS**

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The study was undertaken to collect and isolate enteric bacteria from CLSU water system and characterize based on its morphological and cultural characteristics. Determine the antibacterial activity of four traditional varieties of *O. sativa* through disc diffusion assay as eradicant against *Kluyvera* sp. and *Acinetobacter* sp. To validate the antibacterial properties of Four traditional varieties of *Oryza sativa* against *Kluyvera* sp. and *Acinetobacter* sp. ethanol extract is better than hexane extract based on the present of the antibacterial property against *Kluyvera* sp. and *Acinetobacter* sp. The results showed ethanol extract of *O. sativa* showed potential antibacterial activity.

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