

**ANTIFUNGAL ACTIVITY AGAINST *Candida albicans* AND WOUND
HEALING OF ALLICIN SILVER NANOPARTICLES (AgNP)**

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ABSTRACT

PASCUA, LOUISE SAMANTHA P., Department of Biological Sciences, College of Arts and Sciences, Central Luzon State University, Science City of Munoz, Nueva Ecija, Philippines, **JUNE 2019, ANTIFUNGAL ACTIVITY AGAINST *Candida albicans* AND WOUND HEALING OF ALLICIN SILVER NANOPARTICLES (AgNP)**

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The synthesis of Allicin and AgNP reached a peak at around 440 nm in UV-vis Spectrophotometer. The MIC obtained for both pure allicin and allicin AgNP was 0.125 mg/mL. Antifungal activity was also tested against *C. albicans*. The highest zone of inhibition is Nystatin (C+) with 13 mm and allicin AgNP and Water (C-) being the lowest with 6.33 mm.

Wound Healing Continuum was used to determine the current stage of healing of the wound due to its coloration. The wound healing rate of Pure Allicin has the highest numerical value of 94.63 while the lowest was Water with 91.55.

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