

PHWDOV L Saccharomyces cerevisiae

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Nigeria produces about 20% of global cassava output. Cassava processing in Nigeria is done by small scale holders that use rudimentary equipment for its processing into several products such as... characteristics of the wastewater, also called cassava mill effluents, often exceed the limit for... surface water as specified by Federal Environmental Protection Agency. Cassava mill effluents... on the environment and its associated biota including humans, fisheries, flora and fauna. In this study, *Saccharomyces cerevisiae* was isolated from palm wine to remove heavy metals in cassava mill effluents. *S. cerevisiae* was identified using conventional microbiological techniques based on their cultural, morphological and physiological characteristics. *S. cerevisiae* was inoculated into the sterile effluent and incubated for 15 days. Effluents were analyzed using flame atomic absorption spectrophotometer. Results showed a decrease of 42.26%, 38.57% and 65.19% for copper, zinc, manganese, iron, chromium and nickel respectively. *S. cerevisiae* is a potential organism for the remediation of heavy metals in cassava mill effluents.

Recent Publications

1. Seiyaboh E I, Izah S C (2017) Bacteriological assessment of a tidal creek receiving slaughterhouse wastes in Bayelsa State, Nigeria. *Journal of Health, Environment and Earth Science* 14(1): 1-7.
2. Seiyabo, E I, Izah S C (2017) A Review of Impacts of Gas Flaring on Vegetation and Water Resources in the Niger Delta Region, Nigeria. *Journal of Health, Environment and Earth Science* 14(1): 1-7.

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