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RESEARCH ARTICLE

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Studies on the assessment of major nutrients and microbial population of termite mound soil

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ABSTRACT : Assessment of major nutrients of open and closed type of termite mound soil showed that available nitrogen and phosphorus were comparatively higher both in the surface and sub-surface layer than normal soil. Bacterial population was high in the sub-surface soil collected from closed termite mound (75.5×10^5 cfu/g of soil) and open termite mound (65.5×10^5 cfu/g of soil) compared to the normal soil (30.5×10^5 cfu/g of soil). Likewise, Actinomycetes population was also observed to be high in the sub-surface soil of both open and closed type of termite mounds.

KEY WORDS : Termite mound, Soil nutrients, Bacteria, Fungi, Actinomycetes

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