

Vermicomposting of Vegetable Wastes with Cowdung Using Three Earthworm Species *Eisenia foetida*, *Eudrilus eugeniae* and *Perionyx excavatus*.

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Abstract :

Comparative study was performed to evaluate composting efficiency of three earthworm species viz. *Eisenia foetida*, *Eudrilus eugeniae* and *Perionyx excavatus*. The results clearly elucidate that experiment (2) with *Eisenia foetida* gives over all best results followed by experiment (3), experiment (4) and experiment (1). The results show a high increase in nitrogen, potassium and high decrease in organic carbon, C/N and C/P ratios in experiments (2), (3) and (4). There was maximum (117.39%) increased found in nitrogen content of experiment (2), while minimum (9.13%) in experiment (1). The maximum (110%) increased found in potassium content of experiment (2) while minimum (51.61%) increase observed in experiment (1). [Nature and Science. 2010;8(1):33- 43]. (ISSN: 1545-0740).

Key Word :

Eisenia foetida, *Eudrilus eugeniae*, *Perionyx excavatus*, Vegetable waste, Cowdung

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