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REPORT



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**VERMI-COMPOSTING OF MUNICIPAL
SOLID WASTES AND
Eichorniacrassippes USING
Eudriluseuginiae**



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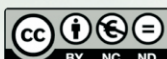


Rajeshkumar, K. T.

ABSTRACT

Biodegradable wastes constitute about 50 percent of the Municipal Solid Wastes in India. Vermicomposting is an age-old and proven technology of converting organic wastes into useful compost. In the present study, an attempt has made to produce vermicompost using *Eudriluseuginiae* from various ratios of mixtures of 3 different solid wastes and one weed plant. They were food wastes, vegetable wastes and garden wastes, and *Eichornia crassippes* plant. The quality of compost prepared from various combinations was compared.

Article Indexed in



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Introduction

Large amounts of municipal solid wastes are generated every day all over the world. In India 30.3 million tons of Municipal Solid Wastes is generated every year (Chandra and Devi, 2009). Safe disposal of municipal solid wastes is a great challenge for the municipal bodies in India

A Good Introduction :-

Depict the significance (importance) of the study - why was this value doing in any case? Give a wide connection. Extremely briefly depict the exploratory configuration and how it achieved the expressed destinations.

Materials

The organic wastes for the present study were procured from different sources: food wastes, vegetable wastes and garden wastes from Bishop Heber College, Tiruchirappalli; and cow dung from Bharathi Nagar, Tiruchirappalli, a residential area.

A Good Materials :-

Depict materials independently just if the study is complicated to the point that it spares space thusly. Incorporate specific chemicals, organic materials, and any gear or supplies that are not generally found in research centers.

Result

The chemical characteristics of semi-compost and vermi-compost are presented in Figures 1-5.

A Good Result :-

Abridge your discoveries in content and show them, if fitting, with figures and tables. In content, depict each of your outcomes, guiding the per user toward perceptions that are generally significant.

Conclusion

It is observed from this present study that, organic wastes and Eichorniacrassippes plant can be converted into useful vermi-compost by subjecting them into vermi-composting process. It is concluded that, Eichornia crassippes plant contributes to increase in NPK values.

A Good Conclusion :-

Clarify the majority of your perceptions however much as could be expected, concentrating on systems. Choose if the trial outline satisfactorily tended to the speculation, and whether it was legitimately controlled.

References

- Achsah, R.S. and Prabha, L.M. (2013). Potential of Vermi-compost Produced From Banana Waste (*Musa paradisiaca*) on The Growth Parameters Of *Solanum lycopersicum*, International Journal of Chem Tech Research CODEN (USA): Vol. 5(5), 2141-2153.
- Chandra, Y.I. and Devi, N.L. (2009). Studies on Municipal Solid Waste Management in Mysore City-A case study. sciencepub@gmail.com, <http://www.sciencepub.net> Report and Opinion, 1(3).
- Chauhan, A., Kumar, S., Sing, A.P. and Gupta, M. (2010). Vermi-composting of Vegetable Wastes with Cow Dung Using Three Earthworm species *Eisenia foetida*, *Eudrilus eugeniae* and *Perionyx excavates*. Nature and Science: 8(1): 33-43. ISSN: 1545-0740).

A Good References :-

There are Places where the Author Rajeshkumar, K. T. and Ravichandran, C. Need to Cite a Reference, but Have Not

SUMMARY OF ARTICLE

| No. | | Very High | High | Average | Low | Very Low |
|-----|--|-----------|------|---------|-----|----------|
| 1. | Interest of the topic to the readers | ✓ | | | | |
| 2. | Originally & Novelty of the ideas | ✓ | | | | |
| 3. | Importance of the proposed ideas | | ✓ | | | |
| 4. | Timelines | | | ✓ | | |
| 5. | Sufficient information to support the assertions made & conclusion drawn | | ✓ | | | |
| 6. | Quality of writing (Organization, Clarity, Accuracy Grammer) | | ✓ | | | |
| 7. | References & Citation (Up-to-date, Appropriate Sufficient) | ✓ | | | | |

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College:- **PG and Research department of Environmental Sciences, Bishop Heber College, Tiruchirappalli, Tamil Nadu, India.** The research paper is Original & Innovation it is done Double Blind Peer Reviewed. Your article is published in the month of **May** Year 2015.



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Authorized Signature

T. N. Shinde

T. N. Shinde
Editor-in-Chief

REVIEWER COMMENTS

- The work, as with all work advancing from this specific gathering, is generally sound.
- My remarks here are concerned singularly with the association of the composition.
- Thought of these focuses will, I accept, lead to an enhanced report that better shows the key ideas and conclusions.
- Generally, this is a reasonable, brief, and elegantly composed original

Authorized Signature

Ashok Yakkaldevi

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Review Editor

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