



An evaluation of chicken feathers wastes in Allampatti, Virudhunagar: an identification

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Abstract

This study was carried out at chicken slaughter stalls situated in Allampatti, Virudhunagar, Tamilnadu, India. The aim was to assess the current feather waste generation and waste handling practices. This was achieved through questionnaire, interviews and physical inspection. In this paper, the most populated area in Virudhunagar town has been studied from the point of unscientific disposal of feather waste on road side.

Keywords: Chicken, feathers, slaughterhouse

Introduction

Industrialization, urbanization and population development have affected the healthy association between human being and environment. Numerous human behavior produce huge amounts of solid waste throughout the world and their management have become a technical and environmental challenge (Elvira, 1998). Chicken feathers are waste products of the poultry trade create a serious solid waste problem (Menandro, 2010).

Allampatti is a small hamlet in Virudhunagar town. It comes under Panchayat. Waste generation at Allampatti broiler chicken slaughter stalls poses a serious hazard to the vicinity because of poor management practices which result into adverse impact on land, air and water. In Allampatti, the common method of feather waste disposal is open dumping. The aim was to

evaluate the current feather waste generation and waste handling practices in Allampatti, Virudhunagar.

Materials and Method

Field Survey

Field survey consists of two kinds of primary data collecting:

1. Observation: It was done to confirm feather waste dumping in Allampatti, Virudhunagar. Observing several locations in Allampatti area and road side dumping sites.
2. Interview: To gain information about feathers disposal in chicken stalls situated in Allampatti, Virudhunagar.

Result and Discussion

During the study period, in study area, a visit was made to all the road side waste temporary disposal sites and a survey conducted for which type of waste being disposed at all sites. Primary data was collected from the field reveals that the feathers wastes were disposed at road side sites. From the results of the present survey, it is clearly evident that the people in Allampatti are not having awareness on the waste disposal. There is great need to create the scientific awareness by organizing public seminar on waste management.

Recommendations

- There is a need to aware the owners of chicken slaughter house.
- Clear guidance relating to the kind of segregation of waste.
- Road side dumping must be punishable with penalties can be as high.
- Increase the number of dustbins.
- Every waste dumping site should be away from residential area.

Conclusion

Feather waste is generated is large amounts as day by day. Chicken feathers are a serious threat not only in Allampatti. This study showed that unscientific disposal of feather waste. In future, the major focus in this field still rests in identifying novel bacterial isolates for bioremediation of

feather waste. Although the impact of the feather waste on soil is evaluated through physico-chemical analysis.

Reference

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