

**SPECIMEN FORMAT FOR THESES OF MONTH**

**Faculty** : HUMANITIES

**Department** : ECONOMICS

**Branch/ Area:** : ECONOMICS

**Sub Subject Heading:** : ENVIORNMENTAL ECONOMICS

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**Title of the thesis** : ECONOMIC ANALYSIS OF SOLID WASTE  
MANANGEMENRT WITH SPECIAL  
REFERENCE TO COIMBATORE CITY

(i) In Roman Script -

(ii) In roman Script -

**Nomenclature of Degree:** : Ph.D

**Month & Year of Enrolment:** : Feb 2012

**Month & Year of Registration:** : Feb 2012

**Month &Year of Submission:** : April 2015

**Month &Year of Award** : July 2016

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**Designation of Supervisor** : PROFESSOR

**Centre/department/school in which research was conducted** : ECONOMICS

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## **Abstract within 300 words:**

Waste is the most visible environmental problem in many areas. Increasing population, changing income and consumption patterns, economic development, urbanization and industrialization result in increased generation of solid waste and also a diversification of the types of the solid waste generated. (Banu,2011) Solid Waste is the term used to describe non liquid materials arising from domestic, trade, commercial, agricultural and industrial activities and from public services.

## **Objectives of the Study**

- ❖ To examine the solid waste management practice by the selected households
- ❖ To analyze the profile and working conditions and health status of sanitary workers
- ❖ To understand the working of waste recycling unit in Coimbatore and to identify the major health issues of those working in this unit.
- ❖ To suggest suitable measures to reduce the solid waste problem.

## **Hypothesis**

- ❖ Income is the major determinant of willingness to pay for solid waste management by the households.
- ❖ Education is the basic factor to improve the condition of sanitary workers.
- ❖ Unemployment is the predominant reason for selecting job in the recycling unit.

The present study attempt to explore the major problems in solid waste generation by the households and condition of sanitary workers and working of recycling unit. It will of immense help to government and policy makers to ensure the solid waste management in a sustainable manner.

## **Methodology**

Multi stage random sampling design was adopted for selecting the sample. The study was confined to Coimbatore city and the entire process of solid waste management were analysed. Solid waste management includes management of generation, storage, collection, transportation, processing and disposal of solid waste. Coimbatore city has four major transfer stations situated in Peelamedu, Ondiputhur, Ukadam and Sathy Road. Sathy Road is the highest waste collecting transfer station.

Hence the households residing near Sathy Road were selected as sample. A total of 279 households were randomly selected. The households selected were as follows- Gandhi Park (97), Avinashi Road (94) and Sathy Road (88). The second phase of the study aimed at collecting details

from those who collect the waste. A total of 242 sanitary workers working in different areas were randomly selected as follows: P.N.Puthur (38), Gandhi Park (54), Poo Market (83), Bharathi Park (67). Vellalore is the only plant in Coimbatore which recycle the solid waste and produce vermin compost from the waste. Out of 80 workers in the recycling unit, 50 workers were taken up for the current study.

Study found that recycling is the only solution for solid waste management in the Coimbatore city. Government should introduce new schemes to educate the sanitary workers it will reduce the health problems. As a solution municipality should take initiative to produce vermin compost and electricity from the waste.

### **Examiners**

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